

PSLF-LOAN SCHEMES

General Info

Topic ID : JTM-2022-2025-PSLF-LOAN-SCHEMES

Summary : PSLF-LOAN SCHEMES **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2022-10-19T00:00:00.000+0200 **Start Date :** 2022-07-19T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JTM-2022-2025-PSLF-LOAN-SCHEMES>

Description

Expected Impact: Proposals should include indicators evidencing that the project will achieve a measurable impact in addressing serious social, economic and environmental challenges deriving from the transition towards the EU's 2030 climate and energy targets and the objective of climate neutrality in the EU by 2050 at the latest. For more information about the EIB lending policy, see European Investment Bank . **Objective:** This topic targets projects linked to a framework loan to address serious social, economic and environmental challenges deriving from the transition towards the EU's 2030 climate and energy targets and the objective of climate neutrality in the EU by 2050 at the latest, for the benefit of the EU territories identified in the Territorial Just Transition Plans. The projects must be linked to an EIB framework loan. Framework loans by other banks or EIB financial intermediaries (including EIB Intermediated Framework Loans or Multi-Beneficiary Intermediated Loans) cannot benefit from JTM funding under this topic. **Scope:** Projects related to a wide range of sustainable investments may be funded, such as: investments in renewable energy and green and sustainable mobility, including the promotion of green hydrogen efficient district heating networks public research digitalisation environmental infrastructure for smart waste and water management sustainable energy, energy efficiency and integration measures, including renovations and conversions of buildings urban renewal and regeneration the transition to a circular economy land and ecosystem restoration and decontamination, taking into account the 'polluter pays' principle biodiversity, as well as up-skilling and re-skilling, training, and social infrastructure, including care facilities and social housing. Infrastructure development may also include cross-border projects and solutions leading to enhanced resilience to withstand ecological disasters, in particular those accentuated by climate change. A comprehensive investment approach should be favoured, in particular for territories with important transition needs. Investments in other sectors may also be supported, if they are consistent with the approved Territorial Just Transition Plans. The following sectors are clearly excluded from the scope of the JTM PSLF support: decommissioning or the construction of nuclear power stations manufacturing, processing and marketing of tobacco and tobacco products help to undertakings in difficulty, as defined in point (18) of Article 2 of Commission Regulation (EU) No 651/2014 (18), unless authorised under temporary State aid rules established to address exceptional circumstances or under de minimis aid to support investments reducing energy costs in the context of the energy transition process investments related to the production, processing, transport, distribution, storage or combustion of fossil fuel. The project activities must benefit a territory covered by an approved Territorial Just Transition Plan and must be consistent with this Plan and the sectors and thematic areas it sets out.

Conditions

Conditions

1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System
2. Eligible countries: described in section 6 of the call document
3. Other eligibility conditions: described in section 6 of the call document
4. Financial and operational capacity and exclusion: described in section 7 of the call document
5. Evaluation and award: Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document
6. Legal and financial set-up of the grants: described in section 10 of the call document Call documents: Call document Standard application form (JTM) — call-specific application form is available in the Submission System Calculator (Financial information file) (JTM LS PSLF) Simplified business plan (JTM) JTM Lum Sum MGA JTM

Work Programme . Full website link: ec.europa.eu/regional_policy/sources/whats-new/tenders-and-grants/financing-decisions/2022_public_loan_facility_annex.pdf JTM Regulation 2021/1229 Commission Decision on the list of regions eligible for funding. EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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PSLF-PROJECTS

General Info

Topic ID : JTM-2022-2025-PSLF-STANDALONE-PROJECTS

Summary : PSLF-PROJECTS **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2022-10-19T00:00:00.000+0200 **Start Date :** 2022-07-19T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JTM-2022-2025-PSLF-STANDALONE-PROJECTS>

Description

Expected Impact: Proposals should include indicators evidencing that the project will achieve a measurable impact in addressing serious social, economic and environmental challenges deriving from the transition towards the EU's 2030 climate and energy targets and the objective of climate neutrality in the EU by 2050 at the latest. Objective: This topic targets projects addressing serious social, economic and environmental challenges deriving from the transition towards the EU's 2030 climate and energy targets and the objective of climate neutrality in the EU by 2050 at the latest, for the benefit of the EU territories identified in the Territorial Just Transition Plans. The projects must also qualify for a loan by the EIB (or one of its financial intermediaries). Scope: Projects related to a wide range of sustainable investments may be funded, such as: investments in renewable energy and green and sustainable mobility, including the promotion of green hydrogen efficient district heating networks public research digitalisation environmental infrastructure for smart waste and water management sustainable energy, energy efficiency and integration measures, including renovations and conversions of buildings urban renewal and regeneration the transition to a circular economy land and ecosystem restoration and decontamination, taking into account the 'polluter pays' principle biodiversity, as well as up-skilling and re-skilling, training, and social infrastructure, including care facilities and social housing. Infrastructure development may also include cross-border projects and solutions leading to enhanced resilience to withstand ecological disasters, in particular those accentuated by climate change. A comprehensive investment approach should be favoured, in particular for territories with important transition needs. Investments in other sectors may also be supported, if they are consistent with the approved Territorial Just Transition Plans. The following sectors are clearly excluded from the scope of the JTM PSLF support: decommissioning or the construction of nuclear power stations manufacturing, processing and marketing of tobacco and tobacco products help to undertakings in difficulty, as defined in point (18) of Article 2 of Commission Regulation (EU) No 651/2014 (18), unless authorised under temporary State aid rules established to address exceptional circumstances or under de minimis aid to support investments reducing energy costs in the context of the energy transition process investments related to the production, processing, transport, distribution, storage or combustion of fossil fuel. The project activities must benefit a territory covered by an approved Territorial Just Transition Plan and must be consistent with this Plan and the sectors and thematic areas it sets out.

Conditions

Conditions

1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System
2. Eligible countries: described in section 6 of the call document
3. Other eligibility conditions: described in section 6 of the call document
4. Financial and operational capacity and exclusion: described in section 7 of the call document
5. Evaluation and award: Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document
6. Legal and financial set-up of the grants: described in section 10 of the call document Call documents: Call document Standard application form (JTM) — call-specific application form is available in the Submission System Calculator (Financial information file) (JTM LS PSLF) Simplified business plan (JTM) JTM Lum Sum MGA JTM Work Programme . Full website link: ec.europa.eu/regional_policy/sources/whats-new/tenders-and-grants/financing-decisions/2022_public_loan_facility_annex.pdf JTM Regulation 2021/1229 Commission Decision on the list of regions eligible for funding. EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Erasmus Charter for Higher Education

General Info

Topic ID : ERASMUS-EDU-2022-ECHE-CERT-FP

Summary : Erasmus Charter for Higher Education **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2022-05-03T00:00:00.000+0200 **Start Date :** 2022-02-23T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2022-ECHE-CERT-FP>

Description

Expected Outcome: This Call aims at accrediting recognised Higher Education Institutions located in eligible countries, which have operational capacity to take part in Erasmus+ Programme’s activities, such as learning mobility of individuals and/or cooperation for innovation and good practices. There is only ONE TOPIC. NO LIGHT PROCEDURE any longer. Therefore ALL PARTS of the APPLICATION FORM PART B should be filled in. HEIs should indicate their Erasmus code in their application, if they already have one, and use their existing PIC. OIDs cannot be used! Eligible applicants In order to be eligible, the applicant must: be a higher education institution (HEI) (public or private) and be established in one of the eligible countries, i.e. Erasmus+ Programme Countries: EU Member States (including overseas

countries and territories (OCTs)) and non-EU countries: listed EEA (European Economic Area) countries and countries associated to the Erasmus+ Programme (associated countries) or countries which are in ongoing negotiations for an association agreement and where the agreement enters into force before grant signature Western Balkans third countries not associated to the Erasmus+ Programme: Albania, Bosnia and Herzegovina, Kosovo (This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence) and Montenegro. Deadline for the submission of applications and indicative date for selection results Please check the call document for yearly deadlines. The indicative date of the publication of selection results for applications submitted in 2022 is October 2022. As from 2023, results will be published in July each year. An Evaluation Committee will evaluate the applications against admissibility, eligibility and award criteria.

Conditions

Conditions

1.

Eligible countries : as described in the Call document . 2. Eligibility and admissibility conditions: as described in the Call document . 3. Evaluation Evaluation criteria, scoring, threshold and process are described in the Call document . 4. Indicative timetable for evaluation and grant agreement: as described in the Call document . Publication of the call: February, 22 2022 Deadline for submitting applications: January 26 2023 17:00 (Brussels Time) Evaluation period: February- June 2023 Information to applicants: July 2023 5. Proposal templates, guidance and model grant agreements (MGA): S tandard proposal template The application template should be downloaded from the submission service. The template available here is for information purposes only. Call document

Budget Overview

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SKILLS AND TALENT DEVELOPMENT

General Info

Topic ID : CREA-MEDIA-2025-TRAINING

Summary : SKILLS AND TALENT DEVELOPMENT **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-10-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-TRAINING>

Description

Objective: The objective of the Skills and Talent Development support is to enhance the capacity of audiovisual professionals to adapt to new creative processes, market developments and digital technologies that affect the whole value chain. Particular focus will be put on supporting new creative processes (e.g. cross disciplinary creative collaboration, innovative storytelling blending creative and digital skills), harnessing digital innovation in audiovisual production (e.g. virtual production, post-production) and distribution (marketing, promotion, audience engagement); uptake of digital tools for videogames production and distribution; enhancing IP rights exploitation; green transition (aiming at promoting sustainable practices across the entire value chain). Expected results:

- To promote sustainable and more environmentally respectful solutions for the audiovisual industry
- Harness Europe’s creative talent by embracing new creative processes

- To accompany the digital transition of the audiovisual sector in support of content creation and dissemination
 - To foster growth and investment through greater exploitation of IP across the EU and beyond
 - Equip audiovisual and gaming professionals with a new combination of creative and digital skills, thereby increasing the competitiveness potential of the European industry
- Description of the activities to be funded under the call for proposals
- Supporting new creative processes (e.g. creative collaboration including across disciplines, innovative storytelling blending different skill sets)
 - Digital transformation: trainings to equip professionals along the whole value chain with state-of-the-art digital tools and data analytics for creative storytelling, production including virtual production, post-production or marketing, promotion, audience engagement and new modes of distribution, monetization and exploitation
 - Adaptation to new market trends: including IP rights exploitation (eg. remakes, spin-offs, sequels, merchandising)
 - Videogames: trainings to equip professionals with state-of-the-art digital tools and AI-powered technologies for creation, development, production, distribution, promotion and marketing
 - Green transition of the audiovisual industry: green consultants, aiming at promoting sustainable practices across the entire value chain; trainings on the implementation of sustainability plans, including the use of tools measuring CO2 emissions

Conditions

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1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold, and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Publication of the call: September, 26 2024. Deadline for submitting applications: April, 24 2025 17:00 (Brussels time). Evaluation period: May-September 2025. Information to applicants: October 2025. Signature of grant agreement: January 2026.
5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) CREA MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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TV and online content

General Info

Topic ID : CREA-MEDIA-2025-TVONLINE

Summary : TV and online content **Status** : Open

Deadline model : multiple cut-off **Deadline** : 2024-12-05T00:00:00.000+0100 **Start Date** : 2024-10-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-TVONLINE>

Description

Scope: The objective of the support to TV and online content is to increase the capacity of audiovisual producers to develop and produce strong projects with significant potential to circulate throughout Europe and beyond, and to facilitate European and international co-productions within the television and online sector. The action aims to strengthen the independence of producers in relation to broadcasters and digital platforms, to enhance collaboration between operators, including independent producers, broadcasters, digital platforms and sales agents, from different countries participating in the MEDIA Strand, in order to produce high quality programming aimed at wide international distribution and promoted to a wide audience including commercial exploitation in the multi-platform environment. Particular attention will be given to projects presenting innovative aspects in the content and in the financing that show a clear link with the envisaged distribution strategies. Expected results Increased production of high quality European works for linear and non-linear broadcasting including on digital platforms, as well as an increase in the number of co-productions. Enhanced cooperation between operators from different countries participating in the MEDIA Strand, including between broadcasters. Increased audience for European works through linear and non-linear broadcasting including on digital platforms. Description of the activities to be funded The TV and online content action supports works (drama films, animation and documentary) intended for linear and non-linear broadcasting, presenting: strong cooperation between operators from different countries participating in the MEDIA Strand, including between broadcasters; high creative/artistic value and wide cross-border exploitation potential able to reach audiences at European and international level; innovative aspects in terms of the content and the financing that show a clear link with the envisaged distribution strategies. Applicants should present adequate strategies to ensure a more sustainable and more environmentally-respectful industry (in particular through the use of greening consultants allowing to reduce the environmental impact of productions and shootings) and to ensure gender balance, inclusion, diversity and representativeness.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions described in the call document .
- 4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . 1 st cut-off date 2 nd cut-off date Publication of the call September 26, 2024 Deadline for submitting applications December 5, 2024 17:00 (Brussels time) May 14, 2025 17:00 (Brussels time) Evaluation period December 2024 - March 2025 May – October 2025 Information to applicants May 2025 November 2025 Signature of grant agreement August 2025 February 2026
- 5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Detailed budget table (CREA LSII) Financing structure (CREA MEDIA TVONLINE) Declaration on independence and ownership (CREA MEDIA) Information on language of submission documents (CREA MEDIA) Model Grant Agreements (MGA) CREA MGA Lump Sum MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Creative Innovation Lab

General Info

Topic ID : CREA-CROSS-2025-INNOVLAB

Summary : Creative Innovation Lab **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-10-24T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-CROSS-2025-INNOVLAB>

Description

Objective: WARNING: BEFORE SUBMITTING, APPLICANTS ARE STRONGLY ADVISED TO CHECK THE RELEVANCE AND ELIGIBILITY OF THEIR APPLICATION WITH THEIR DOMESTIC CREATIVE EUROPE DESK (<https://culture.ec.europa.eu/resources/creative-europe-desks>) The InnovLab support shall support the design, development and/or spread of innovative tools, models or solutions applicable in the audiovisual and other cultural and creative sectors (CCSs) with a high potential of replicability in those sectors. The objectives of the scheme is to encourage cooperation between the audiovisual sector and other CCSs in order to accompany their environmental transition and/or to improve their competitiveness and/or the circulation, visibility, discoverability, availability, diversity and the audience of European content across borders. The support also aims to enable the European audiovisual sector and other CCSs to better adapt to the opportunities offered by the development of Artificial Intelligence and Virtual Worlds. Expected results Improve the competitiveness of the European audiovisual and other cultural and creative sectors: transparency, data collection and the appropriate use of artificial intelligence/big data, adaptation to the challenges and opportunities driven by the ongoing changes in those sectors; Improve the adaptation of the European audiovisual and other cultural and creative sectors to the opportunities offered by the development of virtual worlds (also called metaverse(s)). Improve the production/financing and circulation of European audiovisual and cultural content in the digital age; Increase the visibility, discoverability, availability and diversity of European audiovisual and cultural content in the digital age; Increase the potential audience of European audiovisual and cultural content in the digital age. Accelerate the environmental transition of the European audiovisual, cultural and other creative sectors, in line with the priorities of the European Green Deal and the New European Bauhaus. Description of the activities to be funded Projects must focus on one (or several) of the below topics: Virtual Worlds as a new environment for the promotion of European content, audience renewal and competitiveness of European content industries; Innovative Business Tools for production, financing, distribution or promotion enabled or enhanced by new technology (AI, big data, blockchain, Virtual Worlds, NFT, etc.), in particular: Rights' management and monetisation (including innovative bundled subscription offers to access diverse European cultural content from various existing European platforms), at the same time ensuring transparency and fair remuneration for creators and artists; Data collection and analysis, with particular emphasis on prediction for content creation and audience development (including innovative cross-sectoral tools to improve the quality of the subscriber service and a better valorisation of European content offered by European online platforms); "Greener" practices in order to lower the impact on the environment of the audiovisual and other cultural sectors in line with the Commission's Green Deal and the New Bauhaus initiative. Cross-sectoral cooperation between the audiovisual and other cultural and creative sectors is at the heart of the Call. Therefore, applications must clearly demonstrate the extent of the cross-sectoral approach, the conditions for its implementation and the expected benefits for the sectors covered. A wide spectrum of organisations will be invited to participate, including private and public entities, tech companies and start-ups, audiovisual, cultural and creative organisations. The participation of business incubators and accelerators shall be encouraged, to provide space and time for creative ideas to be shaped. Content development and/or production costs can only be supported if they are clearly linked to the development of innovative tools or models proposed by the project. They must be proportionate and limited. Financial support to third parties is allowed for grants.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document

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5. Legal and financial set-up of the grants described in the call document Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Declaration on independence and ownership control (CREA MEDIA) Model Grant Agreements (MGA) CREA MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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ERC PROOF OF CONCEPT GRANTS

General Info

Topic ID : ERC-2025-POC

Summary : ERC PROOF OF CONCEPT GRANTS **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2025-03-13T00:00:00.000+0100 **Start Date :** 2024-11-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERC-2025-POC>

Description

Objective: Objectives The ERC Proof of Concept Grants aim at facilitating exploration of the commercial and social innovation potential of ERC funded research and are therefore available only to Principal Investigators whose proposals draw substantially on their ERC funded research. **Scope:** Size of ERC Proof of Concept Grants : The financial contribution will be awarded as a lump sum of EUR 150 000 for a period of 18 months . The ERC expects that normally proof of concept activities should be completed within 12 months. However, to allow for those projects that require more preparation time, the grant agreements will be signed for 18 months. Extensions of the duration of proof of concept projects may be granted only exceptionally. The lump sum will cover the beneficiaries' direct and indirect eligible costs for the project: if the project is implemented properly the amounts will be paid regardless of the costs actually incurred. The lump sum has been designed to cover the beneficiaries' personnel costs, subcontracting, purchase costs, other cost categories and indirect costs. **Profile of the ERC Proof of Concept Eligible Principal Investigator** All Principal Investigators in one of the main grants are eligible to participate and apply for an ERC Proof of Concept Grant. Principal Investigators in an ongoing main grant or in a main grant that has ended after 1 January 2024 are eligible to apply. For further information please see the ERC Work Programme 2025.

Conditions

General conditions

1. Admissibility and Eligibility conditions: The conditions specific to the ERC grants are described in the ERC Work Programme 2025 under the heading Admissibility and eligibility criteria and in the ERC Rules for Submission and

Evaluation . An overview is provided below: Eligible Principal Investigator : Principal Investigators in an ongoing ERC main grant , or Principal Investigators in an ERC main grant that has ended after 1 January 2024 , are eligible to apply, subject to any restrictions provided in Annex 3 to this ERC Work Programme 2025 . Principal Investigators may submit only one proposal under this Work Programme Proof of Concept call. If an applicant submits also a proposal at the next cut-off date within the same year, only the first admissible and eligible proposal will be considered. A Principal Investigator whose proposal was rejected on the grounds of a breach of research integrity in the calls for proposals under Work Programmes 2023 or 2024 may not submit a proposal to the ERC-2025-PoC call. Synergy Grant Principal Investigators are eligible to apply to the Proof of Concept call only with the written consent of all Principal Investigators in the same Synergy Grant project. Principal Investigators in the same Synergy Grant project can each submit one Proof of Concept application under this Work Programme .

Eligible Host Institution : The host institution (Applicant Legal Entity) must engage the Principal Investigator for at least the duration of the Proof of Concept project, as defined in the grant agreement, and must be established in a Member State or an Associated Country as a legal entity created under applicable national law (see also "Eligible countries' below). To be eligible, legal entities from a Member State or Associated Country that are public bodies, research organisations, or higher education institutions (including private research organisations and private higher education institutions) must have a gender equality plan or an equivalent strategic document in place for the duration of the project. The gender equality plan or equivalent must fulfil the mandatory requirements listed in Annex 5 to this ERC Work Programme 2025 .

2. Eligible Countries: The conditions specific to the ERC are described in the ERC Work Programme 2025 , under the heading Admissibility and Eligibility criteria and in Annex 3. An overview is provided below: The ERC actions are open to researchers of any nationality who intend to conduct their research activity in any Member State or Associated Country. Principal Investigators may be of any age and nationality and may reside in any country in the world at the time of the application. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
 3. Admissible and eligible proposals: All proposals must be complete, readable, accessible, and be submitted before the relevant deadline. Applications to the ERC 2025 Proof of Concept Grant call will be evaluated and selected in two rounds, based on two specific cut-off dates. Incomplete proposals may be declared inadmissible (see section 3 below: 'Admissible and eligible proposals - Proposal submission and description'). The content of the proposal must relate to the objectives and to the grant type set out in the call, as defined in this Work Programme. If a proposal is considered not to relate to the objectives of the grant and/or call for proposals, it will be declared ineligible. Where there is a doubt on the admissibility or eligibility of a proposal, the evaluation may proceed pending a decision of the Responsible Authorising Officer following the opinion of the admissibility and eligibility review committee. If it becomes clear before, during, or after the evaluation phase, that one or more of the admissibility or eligibility criteria have not been met, the proposal will be declared inadmissible or ineligible and it will be rejected. A maximum of three Proof of Concept Grants may be awarded per main grant project, except for Synergy Grant, in which case a maximum of six Proof of Concept Grants may be awarded per ERC funded project. Proof of Concept Grants may run in parallel provided they comply with the eligibility conditions set out in the Work Programme under which they have been awarded.
- Proposal submission and description : An Information for Applicants guidance is published on the ERC website and on the EU Funding & tenders opportunities Portal: it describes in detail how the submission forms should be completed. A list of Frequently Asked Questions (Q&As) is also available below (see section below: 'Topic Q&As'). ATTENTION: use the new Part A and Part B forms specific to the ERC PoC Lump Sum Grant call 2025 under Horizon Europe - please download the latest version at the submission link below. A complete PoC proposal is composed of : • Administrative Part A form , including the Ethics Review Table (available in section 4): is an electronic form, available at step 5 of the submission process, once the draft proposal is created through the submission link below. (NB: To access the submission tool, you need first to register to the Funding & tender opportunities Participant Portal .) • Proposal Part B form and annexes : download the two templates available from the submission link below (at step 5, after creation of draft proposal), fill in, upload in PDF format only and submit it via the submission tool.
- Part B (Proposal description): will provide detailed descriptions of the PoC project, its objectives, planning, execution, and required resources. It will comprise the following required elements:
 - The idea and justification of the breakthrough innovation potential: max. 3 pages
 - The approach and methodology to explore the innovation potential: max. 6 pages
 - The strategic lead and project management of the Principal Investigator: max. 1 page.
 - Host Institution Binding Statement of Support Letter (NB: For Principal Investigators in a Synergy grant, only the host institution of the Principal Investigator applying to the PoC call must confirm its association with and its support to the project and the Principal Investigator.)
 - If applicable, an Ethics review self-assessment (with documentation related to ethics or security issues) and Letters of support or intent from potential stakeholders can be uploaded (in PDF format only). Proposal templates are provisional and will be available after entering the submission tool below. To ensure fairness to all applicants a strict limit of ten pages (excluding the headers, Title of proposal, Abstract, references, and the risk mitigation table) will be applied to the length of proposals. Only the material that is presented within

this limit will be evaluated (reviewers will only be asked to evaluate, and will be under no obligation to read beyond, the material presented within the page limit). The following parameters must be respected for the layout: A4 Page format, Times New Roman (or Arial or similar) Font type, at least 11 Font size, Single line spacing, 2 cm side margins, 1,5 cm top and bottom margins. Complete proposals must be submitted electronically via the submission tool available through the Funding & Tenders Portal . Further detailed guidance in the ' IT HOW TO ' wiki site. Early registration and submission is strongly recommended and should be done as early as possible before the call deadline.

4. Financial and operational capacity and exclusion Financial capacity: Please refer to the ERC Rules of submission and evaluation under Horizon Europe section 4, Award Decision and Preparation of Grant Agreements. Operational capacity : As indicated in the ERC Work Programme 2025 , page 43 (footnote 66): Applicants that are subject to the administrative sanction of exclusion or are in one of the exclusion situations set out by the EU Financial Regulation are banned from receiving EU grants and can NOT participate. See articles 136 and 141 of the EU Financial Regulation, as well as important information on possible exclusion and registration of economic operators in the Commission's Early Detection and Exclusion System (EDES) on the final page of this Work Programme. Security: Please refer to the ERC Work Programme 2025 , Annex 4. Exclusion: Please refer to the ERC Work Programme 2025 , page 76 : Applicants that are subject to the administrative sanctions of exclusion or are in one of the exclusion situations set out by the Financial Regulation are banned from receiving EU grants and can NOT participate. 5a. Evaluation criteria: Proof of Concept Grants are awarded in relation to an ERC-funded project under one of the main grants. The evaluation of admissible and eligible proposals will look into ideas stemming from ERC-funded projects and will select among them the most competitive for further development towards an innovation. The activities to be funded will draw substantially on the ERC-funded research under the main frontier research grant. For ERC Proof of Concept grants, excellence is the sole criterion of evaluation. It will be applied in conjunction to the evaluation of both: (1) the breakthrough innovation potential, approach, and methodology of the project; (2) the strategic lead and project management of the Principal Investigator. The detailed evaluation elements applying to the excellence of the project and the Principal Investigator are set out in the ERC Work Programme 2025 (pages 48-49). 5b. Evaluation process: Experts will evaluate independently each admissible and eligible proposal in a single-step process, and mark it as "very good", "good" or "fail" for each of the three evaluation elements: 1.a Breakthrough innovation potential; 1.b Approach and methodology of the project, and 1.c. the strategic lead and project management of the Principal Investigator. In order to be considered for funding, proposals will have to be awarded a pass mark ("very good" or "good") by a majority of experts on each of the evaluation elements. A proposal which fails one or more of the elements will not be ranked and will not be funded. If there is not enough budget to fund all the proposals which pass all three evaluation elements, those proposals which pass all three evaluation elements will be ranked according to the marks which they received from experts sorted by the order in which the evaluation elements appear above. Proposals will be funded in order of this ranking. If necessary, experts will meet as an evaluation panel in order to determine a priority order for proposals which have the same ranking. A Seal of Excellence will be awarded to proposals that have received a pass mark in all three of the evaluation elements set out in this Work Programme, but cannot be funded due to lack of budget available to the call. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation of the ERC-2025-PoC call are set out in the ERC Work Programme 2025 , under the heading "Summary of complementary funding and prizes with indicative budget and timetable. The timetable is also available on our ERC Website Funding-Proof of Concept page (under "ongoing evaluation" and "upcoming calls"). Grant amount and duration of the grant agreement: The financial contribution will be awarded as a lump sum of EUR 150 000 for a period of 18 months . The ERC expects that normally proof of concept activities should be completed within 12 months . However, to allow for those projects that require more preparation time, the grant agreements will be signed for 18 months. Extensions of the duration of proof of concept projects may be granted only exceptionally. The indicative budget for the ERC-2025-PoC call is EUR 30 000 000.
5. Legal and financial set-up of the grants: is described in the ERC Work Programme 2025 , under the heading "Grant amount, duration and assessment". See also: Multi & Mono Grant Agreement for Lump Sum Grants .
6. Open Science : Open science is a core principle of the ERC. The ERC is committed to the principle of open access to the published output of research, including in particular, peer-reviewed articles and monographs. It also supports the basic principle of open access to research data and data-related products such as computer code, algorithms, software, workflows, protocols or any other forms of research output. The ERC considers that providing free online access to all these materials can be the most effective way of ensuring that the results of the research it funds can be accessed, read and used as the basis for further advancement. Under Horizon Europe, beneficiaries of ERC grants must ensure immediate open access to all peer-reviewed scientific publications relating to their results as set out in the Model Grant Agreement used for ERC actions . Open access has to be provided with full re-use rights. Beneficiaries must ensure that they or the authors retain sufficient intellectual property rights to comply with their open access requirements. Publishing costs can be considered as eligible costs provided that the publishing venue (e.g. journal, book) is fully open access. In addition, beneficiaries of ERC grants funded under this ERC Work Programme 2025 will be covered by the provisions on research data management as set out in the Model Grant Agreement used for ERC actions. In particular, whenever a project generates research data,

beneficiaries are required to manage it in line with the principles of findability, accessibility, interoperability, and reusability as described by the FAIR principles initiative, and establish a data management plan within the first six months of project implementation. Open access to research data should be ensured under the principle ‘as open as possible, as closed as necessary’. These provisions are designed to facilitate access, re-use and preservation of the research data generated during the ERC funded research work. Call documents:

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Standard application form (HE ERC POC) : call-specific application form is available in the Submission System

- Information to Applicants to the ERC Proof of Concept Grant Call: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-poc_en.pdf
- ERC Guide for Reviewers applying to the Proof of Concept call: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/guide-for-peer-reviewers_he-erc-poc_en.pdf

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ERC Work Programme 2025

ERC Rules for Submission and evaluation

How to complete your ethics self-assessment

Guidance on how to handle security sensitive research projects Model grant agreement (MGA): Multi & Mono Model Grant Agreement for Lump Sum Grants MGA used for ERC actions under Horizon Europe (HE General MGA) EU Grants AGA — Annotated Model Grant Agreement Lump Sum MGA v1.0 Lump Sum MGA Additional documents: EU Financial Regulation 2018/1046 Horizon Europe Regulation Association agreements to Horizon Europe Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European Cooperation Projects Small Scale

General Info

Topic ID : CREA-CULT-2025-COOP-1

Summary : European Cooperation Projects Small Scale **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-13T00:00:00.000+0200 **Start Date** : 2024-12-10T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-CULT-2025-COOP-1>

Description

Objective: The action European Cooperation Projects supports projects involving organisations in the cultural and creative sectors of all sizes, including micro-organisations and small-sized organisations, and from different countries to undertake sectoral or cross-sectoral activities. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. The action is anchored in the policy framework of the Culture strand of the Creative Europe Programme and the EU Overarching Priorities (EU greening efforts, inclusion

and gender equality, digital transition and international relations). European Cooperation Projects are open to all the cultural and creative sectors. However, considering that this action aims to pursue the objectives of the Culture strand of the Programme, projects involving exclusively organisations from the audio-visual sector and projects of an exclusive audiovisual content are out of scope for this call and therefore are not eligible for funding under it. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. Topic CREA-CULT-2025-COOP-1 - Small Scale projects: The consortium must be composed of minimum 3 entities from 3 different eligible countries. The maximum EU grant amount is of EUR 200 000 per project. The funding rate is of maximum 80% Small-scale projects are particularly suitable to promote the access of grassroots organisations and support these organisations in the creation of new partnerships and development of new activities and innovative ideas (such as festivals, art fairs, exhibitions, performances, etc.). Support will be given to projects contributing to one of the following objectives : Objective 1 - Transnational creation and circulation : to strengthen the transnational creation and circulation of European works and artists. Transnational creation and circulation are important for the advancement of collaborations, increased outreach and in many cases necessary for the viability and development of cultural organisations, institutions and individuals. Co-production is also a tool to stimulate creativity, share resources and facilitate the trans-national distribution of content and the circulation of artists. Projects will consider the new context such as health or environmental concerns and integrate innovative (digital) ways of producing and disseminating content. Objective 2 – Innovation : to enhance the capacity of European cultural and creative sectors to nurture talents, to innovate, to prosper and to generate jobs and growth. Projects responding to this objective should be of capacity-building nature, which can be of technological and/or artistic nature and may include the development and experimentation of new practices or models, as well as the transfer and dissemination of innovative practices. Areas of innovation can encompass a social or societal dimension such as: audience engagement/development, gender equality, the inclusion of people with disabilities, people belonging to minorities and people belonging to socially marginalised groups, fighting climate change, digitisation, etc. as well as culture’s contribution to health and well-being, especially mental health, given the existing evidence and the persisting mental health crisis affecting in particular the youth.

Conditions

Conditions

1. Admissibility Conditions ! DO NOT use Part B template from previous calls as it has changed! Only use the Part B template in the Submission System once you start your application under 'Download Part B templates' on the left hand side of the screen.
 2. Eligible Countries as described in the call document under section 6 (Eligibility).
 3. Other Eligible Conditions as described in the call document under section 6 (Eligibility).
 4. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document section 8 (Evaluation and award procedure) and section 9 (Award criteria).
 5. Evaluation and award: Indicative timeline for evaluation and grant agreement Publication of the call: December 10, 2024. Deadline for submitting applications : May 13, 2025 17:00 (Brussels time). Evaluation period: June - August 2025. Information to applicants: October 2025. Signature of grant agreement: January 2026. Call document and annexes: Call document Application form templates Standard application form (CREA CULTURE) (For information onl y) - DO NOT use this template for submission. You will find the application form in the Submission System, under 'Download Part B templates' on the left hand hand side of the screen. Detailed budget table (CREA LSII)
- (For information onl y) - DO NOT use this template for submission. You will find the application form in the Submission System, under 'Download Part B templates' on the left hand hand side of the screen. Model Grant Agreements (MGA) CREA MGA Lump Sum MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European Cooperation Projects Large Scale

General Info

Topic ID : CREA-CULT-2025-COOP-3

Summary : European Cooperation Projects Large Scale **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-13T00:00:00.000+0200 **Start Date** : 2024-12-10T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-CULT-2025-COOP-3>

Description

Objective: The action European Cooperation Projects supports projects involving organisations in the cultural and creative sectors of all sizes, including micro-organisations and small-sized organisations, and from different countries to undertake sectoral or cross-sectoral activities. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. The action is anchored in the policy framework of the Culture strand of the Creative Europe Programme and the EU Overarching Priorities (EU greening efforts, inclusion and gender equality, digital transition and international relations). European Cooperation Projects are open to all the cultural and creative sectors. However, considering that this action aims to pursue the objectives of the Culture strand of the Programme, projects involving exclusively organisations from the audio-visual sector and projects of an exclusive audiovisual content are out of scope for this call and therefore are not eligible for funding under it. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. **Topic CREA-CULT-2025-COOP-3 - Large Scale projects:** The consortium must be composed of minimum 10 entities from 10 different eligible countries. The maximum EU grant amount is of EUR 2 000 000 per project. The funding rate is of maximum 60% Support will be given to projects contributing to one of the following objectives :

Objective 1 - Transnational creation and circulation : to strengthen the transnational creation and circulation of European works and artists. Transnational creation and circulation are important for the advancement of collaborations, increased outreach and in many cases necessary for the viability and development of cultural organisations, institutions and individuals. Co-production is also a tool to stimulate creativity, share resources and facilitate the trans-national distribution of content and the circulation of artists. Projects will consider the new context such as health or environmental concerns and integrate innovative (digital) ways of producing and disseminating content. **Objective 2 – Innovation** : to enhance the capacity of European cultural and creative sectors to nurture talents, to innovate, to prosper and to generate jobs and growth. Projects responding to this objective should be of capacity-building nature, which can be of technological and/or artistic nature and may include the development and experimentation of new practices or models, as well as the transfer and dissemination of innovative practices. Areas of innovation can encompass a social or societal dimension such as: audience engagement/development, gender equality, the inclusion of people with disabilities, people belonging to minorities and people belonging to socially marginalised groups, fighting climate change, digitisation, etc. as well as culture's contribution to health and well-being, especially mental health, given the existing evidence and the persisting mental health crisis affecting in particular the youth.

Conditions

Conditions

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2. Eligible Countries as described in the call document under section 6 (Eligibility).
3. Other Eligible Conditions as described in the call document under section 6 (Eligibility).
4. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document section 8 (Evaluation and award procedure) and section 9 (Award criteria).

5. Evaluation and award: Indicative timeline for evaluation and grant agreement Publication of the call: December 10, 2024. Deadline for submitting applications : May 13, 2025 17:00 (Brussels time). Evaluation period: June - August 2025. Information to applicants: October 2025. Signature of grant agreement: January 2026. Call document and annexes: Call document Application form templates Standard application form (CREA CULTURE) (For information onl y) - DO NOT use this template for submission. You will find the application form in the Submission System, under 'Download Part B templates' on the left hand hand side of the screen. Detailed budget table (CREA LSII)
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Budget Overview

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European Cooperation Projects Medium Scale

General Info

Topic ID : CREA-CULT-2025-COOP-2

Summary : European Cooperation Projects Medium Scale **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-13T00:00:00.000+0200 **Start Date** : 2024-12-10T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-CULT-2025-COOP-2>

Description

Objective: The action European Cooperation Projects supports projects involving organisations in the cultural and creative sectors of all sizes, including micro-organisations and small-sized organisations, and from different countries to undertake sectoral or cross-sectoral activities. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. The action is anchored in the policy framework of the Culture strand of the Creative Europe Programme and the EU Overarching Priorities (EU greening efforts, inclusion and gender equality, digital transition and international relations). European Cooperation Projects are open to all the cultural and creative sectors. However, considering that this action aims to pursue the objectives of the Culture strand of the Programme, projects involving exclusively organisations from the audio-visual sector and projects of an exclusive audiovisual content are out of scope for this call and therefore are not eligible for funding under it. Proposals are expected to present a clear cross-border cooperation dimension as this is at the core of the European Cooperation Projects. Topic CREA-CULT-2025-COOP-2 - Medium Scale projects: The consortium must be composed of minimum 5 entities from 5 different eligible countries. The maximum EU grant amount is of EUR 1 000 000 per project. The funding rate is of maximum 70% Support will be given to projects contributing to one of the following objectives : Objective 1 - Transnational creation and circulation : to strengthen the transnational creation and circulation of European works and

artists. Transnational creation and circulation are important for the advancement of collaborations, increased outreach and in many cases necessary for the viability and development of cultural organisations, institutions and individuals. Co-production is also a tool to stimulate creativity, share resources and facilitate the trans-national distribution of content and the circulation of artists. Projects will consider the new context such as health or environmental concerns and integrate innovative (digital) ways of producing and disseminating content. Objective 2 – Innovation : to enhance the capacity of European cultural and creative sectors to nurture talents, to innovate, to prosper and to generate jobs and growth. Projects responding to this objective should be of capacity-building nature, which can be of technological and/or artistic nature and may include the development and experimentation of new practices or models, as well as the transfer and dissemination of innovative practices. Areas of innovation can encompass a social or societal dimension such as: audience engagement/development, gender equality, the inclusion of people with disabilities, people belonging to minorities and people belonging to socially marginalised groups, fighting climate change, digitisation, etc. as well as culture’s contribution to health and well-being, especially mental health, given the existing evidence and the persisting mental health crisis affecting in particular the youth.

Conditions

Conditions

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 3. Other Eligible Conditions as described in the call document under section 6 (Eligibility).
 4. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document section 8 (Evaluation and award procedure) and section 9 (Award criteria).
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Budget Overview

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Technical Assistance for Disaster Risk Management

General Info

Topic ID : UCPM-2025-TRACK1

Summary : Technical Assistance for Disaster Risk Management **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-14T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/UCPM-2025-TRACK1>

Description

Expected Outcome: The action “Technical Assistance for Disaster Risk Management” (hereinafter: “Track 1”) provides national disaster risk management authorities of eligible countries with financial support for the development of strategic disaster risk management actions. First introduced in the UCPM Annual Work Programme of 2019, "Track 1" grants help national civil protection and other disaster risk management authorities prepare investment projects and strengthen their institutional and policy framework. Between 2019 and 2024, 23 Member States have received funding for over 61 grants, for a total value of over EUR 26 million. Themes & priorities: Applicants must choose only one of the following priorities: Priority 1: Strategic frameworks for disaster risk management Develop a multi-risk or risk-specific disaster risk management plan and/or strategy; Carry out studies and assessments required to develop policies, legislation, institutions and/or measures for improved disaster risk management and climate resilience; Develop a strategic framework for public awareness raising and training programmes for disaster risk management; Develop or enhance national multi-hazard disaster loss databases and/or tools; Develop green transition plans and/or instruments for disaster risk management authorities; Contribute to the implementation of the relevant Union disaster resilience goals Priority 2: Investments for disaster risk management Conduct feasibility studies and/or assessments required for the preparation or upgrade of investments for disaster risk management and climate resilience (infrastructure and/or other investment projects), such as design, cost-benefit analyses, impact assessments, etc.; Develop proposals for investment projects addressing disaster and climate resilience that would be submitted for funding to national budget or to various Union funds; Develop national/sub-national investment plan(s) for implementing prevention, preparedness, and/or recovery measures; Contribute to the implementation of the relevant Union Disaster Resilience Goal(s). Priority 3: Investments to improve crisis management capabilities Support effective crisis management capacities in a Member State, e.g. processes aimed at ensuring effective scenario-building, foresight and horizon-scanning for the purposes of detecting, identifying and assessing potential future crisis situations; Develop or improve existing plans, procedures and/or arrangements, including business continuity planning, aimed at ensuring effective cross-sectoral and cross-border crisis preparedness and responses, including ones with a UCPM component; Develop or enhance existing plans, procedures and/or arrangements for sharing information, including early warning information, on a cross-sectoral and cross-border basis; Contribute to the implementation of the relevant Union Disaster Resilience Goals Activities that can be funded: • Developing a strategic framework for disaster risk management, including developing disaster risk management plans or strategies, develop risk assessment capabilities, gather multi-hazard disaster loss data, designing public awareness plans or carrying out studies on disaster and climate resilience building. • Investments for disaster risk management, including feasibility studies, cost-benefit analyses, impact assessment linked to a change of the disaster risk management policy or legislation as well as developing national/sub-national investment plans for implementing prevention, preparedness and recovery measures. • Investments to improve crisis management capabilities, including developing or enhancing plans, procedures and arrangements aimed at ensuring effective cross-sectoral crisis preparedness and response, and at enhancing information sharing through early warning systems. Scope Currently, 37 states - the 27 EU Member States and Albania, Bosnia and Herzegovina, Iceland, Montenegro, North Macedonia, Norway, the Republic of Moldova, Serbia, Türkiye and Ukraine are participating in the UCPM. In addition, two other countries are eligible for applying under this call, in line with the Financing Decision. These countries are Georgia and Kosovo (This designation is without prejudice to positions on status and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo Declaration of Independence). The overall objective of the UCPM is to strengthen the cooperation among Member States in the field of civil protection to improve the effectiveness of systems for preventing, preparing for, and responding to natural and human-induced disasters. The UCPM aims to achieve a high level of protection against disasters by preventing or reducing their potential effects, and to enhance preparedness at Member State and Union level to respond to disasters. Under the UCPM legislation, Union Disaster Resilience Goals in the area of civil protection were agreed in February 2023. Five strategic goals were identified: 1) improving risk assessment, anticipation and DRM planning; 2) increasing risk awareness and preparedness of the population; 3) enhancing early warning; and 4) ensuring a robust civil protection system. The co-financing of projects has been used by the UCPM as a key instrument for supporting Member States’ disaster risk management (DRM) efforts. The Financing Decision provides for a funding opportunity to directly support Member States’ efforts in the field of disaster risk management.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (UCPM Prevention and Preparedness) — the application form specific to this call is available in the Submission System Detailed budget table (UCPM) Letter of support (UCPM) Model Grant Agreements (MGA) UCPM MGA Additional documents: UCPM Work Programmes UCPM Decision 1313/2013 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Call for proposals for action grants to promote judicial cooperation in civil and criminal matters

General Info

Topic ID : JUST-2025-JCOO

Summary : Call for proposals for action grants to promote judicial cooperation in civil and criminal matters Status : Open

Deadline model : single-stage Deadline : 2025-04-23T00:00:00.000+0200 Start Date : 2024-12-12T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JUST-2025-JCOO>

Description

Scope: The call for proposals' objectives are to facilitate and support judicial cooperation in civil and criminal matters, and promote the rule of law, independence and impartiality of the judiciary, including by supporting the efforts to improve the effectiveness of national justice systems, and the effective enforcement of decisions. There are three priorities for 2025: Judicial cooperation in civil matters Judicial cooperation in criminal matters Support to the Member States for the setting up and strengthening of national networks active in the area of judicial cooperation in civil and criminal matters For more information please consult the Call document.

Conditions

Conditions

1. Eligible countries As described in the call document .

2. Eligibility and admissibility conditions As described in the call document .
3. Proposal page limits and layout Please refer to Part B of the Application Form available in the Submission System.
4. Evaluation Evaluation criteria, scoring, threshold and process are described in the call document .
5. Indicative timeline for evaluation and grant agreement As described in the call document : Opening for submission: 12 December 2024 Deadline for submitting applications: 23 April 2025 17:00 (Brussels Time)
Evaluation period: April-September 2025 Information to applicants: September-October 2025 Signature of grant agreements: October-November 2025 Call document and annexes: Call document Application form templates
Standard application form (JUST) — the application form specific to this call is available in the Submission System Detailed budget table (JUST LSII) — Detailed budget template to facilitate the planning of your project
90% co-financing Declaration on Honour regarding CPP by public entities Model Grant Agreements (MGA)
Lump Sum MGA Additional documents: EU Financial Regulation 2024/2509 Regulation establishing the Justice Programme 2021/693 JUST Work Programme Decision authorising the use of lump sums for actions under the Justice programme (2021-2027) Guidance: How to manage your lump sum grants Rules for Legal Entity
Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual
Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Digital label: one source of comprehensive information for medical technology products

General Info

Topic ID : HORIZON-JU-IHI-2025-10-01-two-stage

Summary : Digital label: one source of comprehensive information for medical technology products **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-10-01-two-stage>

Description

Expected Impact: The action to be funded under this topic is expected to achieve the following impacts: 1.Streamlined and ‘green’ delivery of information Key information as well as additional information is easily (and more) visible, accessible and identifiable to users (HCPs, patients) and health authorities equipped with a simple smart device (e.g., phone or tablet device); Significant reduction of carbon footprint and avoidance of over-labelling, hereby contributing to the European Green Deal. 2.Improved accessibility of information for users (HCPs and patients) and regulators. All the information that users might need is available in one place in their language of choice, thus increasing equal access of users to medical technologies. Targeted information based on user location: in the EU: summary of safety and clinical performance (SSCP), the European database for medical devices (EUDAMED) modules when available 1 ; globally: electronic instructions for use (eIFU); Crucial information from the printed label is additionally visible upon scanning (e.g. expiry date); Connection to technical support in case of problems; Reducing risk of use errors; Real time updates; Avoidance of cluttered labels. 3.Increased alignment between MDR and other EU and national legislations and streamlined compliance for all. One digital carrier will directly link the user with the up-to-date information required by the Digital Product passport in multiple languages (EU Packaging and Packaging Waste Regulation EU Battery regulation, information on spare parts, etc.), hereby contributing to the European Green Deal. 4.Increased competitiveness in the EU market thanks to improved supply management and streamlined packaging and labelling operations. 5.Driving acceptance through (voluntary) adoption of digital labels by medical device manufacturers and their use by end users, notified bodies, national competent authorities in the European market, supported by the developed training material. Digital label is considered an additional tool to requirements in current legislation (MDR, IVDR). 1 https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=OJ:L_202401860 Expected Outcome: The action under

this topic must contribute to all of the following outcomes:

1. A consensus-based digital label concept/framework for medical devices and in vitro diagnostic medical devices (IVDs) is available to be used by manufacturers that meets end users' requirements and addresses regulators' demands.
2. Multiple valid and scalable digital label solutions based on a standardised approach are available and they: all work with the same enabler (label reader) for all medical technology product labels (all medical devices and IVDs, all types, all classes). This topic does not cover pharmaceutical products as such. Combination products that fall under the scope of regulations on medical devices and in vitro diagnostic medical devices (MDR/IVDR) are, therefore, regulated as devices and are considered to be part of this topic; serve as an up-to-date single point of access to all information about the specific device; are interoperable with other EU legislation (such as digital product passport) and national legislation (e.g. language requirements); consider accepted international standards for data carriers 1 ; are acceptable after verification via user testing.
3. Evidence-based recommendations are available that may inform the European Commission's and the national competent authorities' policy recommendations.
4. Training materials on digital labels are available to the end users (healthcare professionals (HCPs) and patients), regulators (national competent authorities) and notified bodies in the EU Member States.
5. A basis towards future international acceptance is created via: documentation gathered that would be needed to launch a proposal for a new digital label standard or adaptation of an existing standard 2 under the International Organisation for Standardisation / International Electrotechnical Commission (ISO/IEC) – note that development of a standard itself is not planned during the lifetime of the project; awareness raising with other international jurisdictions that consider digital label initiatives. 1 Note: The term data carrier is synonymous with the ISO 19762 definition of Automatic Identification and Data Capture (AIDC) technologies (e.g., bar codes, smart cards, radio frequency identification, (RFID), etc. 2 e.g. ISO 20417 already offers a segway for digital label. This standard is also foreseen for harmonisation with MDR. Scope: A digital label is a form of e-labelling provided as an array of elements supporting a medical technology product, which is additional to critical information on the printed label (identification and traceability of the device, warnings and precautions, handling and use information). Access to the digital label is achieved, for example in the form of barcodes, 2D data matrix, QR codes, etc., which provides a scannable link to curated digital landing pages (websites) where the additional information will be displayed. Under the current Regulations on medical devices and in vitro diagnostic medical devices (MDR/IVDR: Regulation (EU) 2017/745 of the European Parliament and of the Council of 5 April 2017 on medical devices and Regulation (EU) 2017/746 of the European Parliament and of the Council of 5 April 2017 on in vitro diagnostic medical) both critical information as well as additional information have to be included on the product's printed label . While many medical technology products are decreasing in physical size, mandatory requirements for additional product compliance information are growing, which leads to various problems. Users might find it difficult to locate the desired information on the label due to the extensive text and small print. Manufacturers have to update their entire physical label if they change an economic operator. Such label changes have an impact on the environment, product availability and inventory and they cause inefficiencies and ultimately raise costs. Local requirements for the label regarding device disposal are rising and lead to increased amounts of packaging (and therefore later increased amounts of waste). In case of new environmental legislation, the physical label needs also to be updated during the device's lifetime. The overall aim of this topic is to establish a consensus-based digital label concept applicable to all types and classes of medical devices and IVDs, making use of existing technologies that will be further improved to suit medical technology products specifically. Note that this topic does not cover medicinal products, except combination products that fall under the scope of MDR/IVDR regulations and are, therefore, regulated as devices. Furthermore, this topic does not directly address the electronic provision of IFU (instructions for use) as this is already allowed for certain medical devices and IVDs in the EU. Access to eIFU through the digital label is only an additional benefit to facilitate access to all relevant information in one place (on top of the means of delivery allowed currently by MDR/IVDR). Finally, the scope of this topic does not address post market surveillance aspects. To fulfil the overall aim, the action funded under this topic must: deliver a framework for: mapping of data elements that must be physically present on the label and those that the manufacturer can provide digitally. The framework will consider the requirements of EU Regulations (MDR General Safety and Performance Requirement (GSPR) 23.1, IVDR GSPR 20.1; the Packaging and Packaging Waste (PPWD) Directive; Digital Product passport, waste and packaging, battery, etc.) and is meant to also support future EU legislation (or transposition thereof in Member States). a standardised concept in providing digital content and structure for the medtech manufacturers. taking into account the different device types. define and make publicly available key performance indicators (KPIs) (e.g. trends of access and digital content type) or other measures to assess the acceptability and workability of the potential digital label solution(s), provided by manufacturers, and to be tested with end users (HCPs and patients). generate evidence on the acceptability and usability of digital label solutions through testing in a variety of use environments that will be defined by the full consortium. This will include user feedback on behaviour changes in a variety of use environments. The action should also make the results of testing, analysis and conclusions public conducting usability studies will support end-user age demographics and capture metrics on the acceptability/usability of end-user participants' potential

disabilities related to interacting with digital technologies. engage with all relevant stakeholders (e.g. HCPs, patients, national competent authorities, notified bodies) throughout the project lifetime to get robust input through consultations, surveys, workshops and testing in order to: maximise end user adoption (and understanding) of digital labels; ensure that concerns and demands of end users and regulators are met. based on the results of testing and body of evidence gathered, develop recommendations on digital labels to inform relevant stakeholders, regulators, policy makers, and the relevant ISO/IEC bodies for the possible development of ISO/ IEC standards for digital labelling for medical devices and IVDs (or for the update of an existing standard) – note that the standard itself will NOT be developed during the lifetime of the project. ensure appropriate knowledge dissemination via: developing training materials; subsequently finetuning training material for deployment to the public at large in all EU national languages: end users (HCPs, patients) / regulators (national competent authorities) / notified bodies in the EU Member States and any other relevant stakeholders; facilitating awareness and communication with other global jurisdictions' digital label initiatives. Applicants should develop a strategy and plan for generating appropriate evidence as well as for engaging and formally consulting with regulators (e.g. national competent authorities).

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - specific conditions on Availability, Accessibility and Affordability (3A) do not apply to this topic
 - JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 10 th Call for proposals full topics text is available here . Evaluation form (Research and Innovation Actions – single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage Calls) Proposal Templates Part A and Part B (Research and Innovation Actions – first and second stage of two-stage calls) :

1.

For 1 st Stage of two-stage Calls

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Short proposal - Part B : IHI JU Proposal template (RIA/SP) - Part B

Proposal Annexes : § Annex: Type of Participants The “type of participants” is an IHI specific annex. The excel template is related to:

Short proposals (first stage of two-stage calls) can be found [here](#) and the instructions on how to fill in this template can be found [here](#) . This is a compulsory annex , and it must be uploaded as a separate document in the submission system. **2. For 2 nd Stage of two-stage Calls**

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the **HE Part A template** [here](#)). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Full proposal - Part B : IHI JU Proposal template (RIA/FP) - Part B

Proposal Annexes: § Annex to the budget and type of participants The excel document template can be found [here](#) . Instructions on how to fill in the budget can be found [here](#) . Instructions on how to fill the type of participants can be found [here](#) . This is a compulsory annex , which complements the budget figures already included in the proposal budget in **PART A**. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). **§ Annex: Declaration of in-kind contribution commitment** The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found [here](#) . This is a compulsory annex and it must be uploaded as a separate document in the submission system. **§ Annex: In-kind contributions to additional activities (IKAA)** The ‘ ‘In-kind contributions to additional activities (IKAA)’ ’ is an IHI specific annex. The excel template can be found [here](#) and the instructions on how to fill in this template can be found [here](#) . This is an optional annex . **§ Annex: Essential information for clinical studies** The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your

proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act ‘SBA’ or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents : HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Safeguarding innovation in secondary use of health data in the European Health Data Space (EHDS)

General Info

Topic ID : HORIZON-JU-IHI-2025-10-02-two-stage

Summary : Safeguarding innovation in secondary use of health data in the European Health Data Space (EHDS) **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-10-02-two-stage>

Description

Expected Impact: The action contributes to all the general objectives of IHI JU, particularly to specific objective 4 ‘exploit the full potential of digitalisation and data exchange in health care’. The action under this topic is expected to achieve all of the following impacts: Fostering data-driven research and innovation advancing healthcare in the EU; A world-leading approach to IP protection of data; Improved balance between data utilisation and access control rights; Best practices for data sharing, data security and prevention of unauthorised disclosure; Recommendations for legal and ethical standards; and Increased industry confidence in the EHDS. The action will also contribute to several European policies/initiatives, which include: The European Health Data Space; The European Commission’s Pharmaceutical Strategy for Europe, specifically the pillar on competitiveness, innovation, and sustainability; Related measures under the ongoing revision of the pharmaceutical legislation; The Trade Secret Directive; The European Strategy for Data, incl. GDPR, Data Act, Data Governance Act, AI Act; The Digital Strategy; and The Digital Single Market Strategy. Overall, these expected impacts aim to create a secure, collaborative, and innovative ecosystem within the EHDS, which will increase trust and confidence among stakeholders, optimise data utilisation, enhance protection of intellectual property, and facilitate advancements in healthcare research and innovation. **Expected Outcome:** The European Health Data Space (EHDS) is a key initiative under the European Strategy for Data and the European Health Union that enables the secondary use of health data for various purposes, including research and innovation. The outcomes of this topic will lead to the identification of pathways for enabling innovation through the EHDS while safeguarding intellectual property, Regulatory Data Protection (RDP) 1, and trade secrets in health data. This topic must contribute to all of the following outcomes: comprehensive frameworks, processes, policies and guidelines are available to support the procedural and operational aspects of the EHDS from an innovation perspective; recommendations to inform EHDS governance are available to address the needs of a broad set of stakeholders, including citizens, hospitals, public institutions and the healthcare industry. The right balance must be struck between the need for an EHDS that enables efficient data sharing for the secondary use of health data to promote research and innovation in healthcare, and the need for maintaining a strong Intellectual Property (IP) system 2 while preserving confidential information within health research data; recommendations are available for enabling dialogues between health data holders (HDHs), health data users (HDUs) and health data access bodies (HDABs) to address issues around innovation, as well as dealing with IP, RDP, and Trade Secrets, utilising the EHDS and the operationalisation of the EHDS; and materials, guidance, recommendations, training and other support tools are available to educate interested parties about innovation and data sharing under the EHDS. The target groups for all the outcomes are: those establishing the EHDS and the EHDS infrastructure, through which health data will be made available for secondary purposes; member state agencies involved with the establishment and functioning of HDABs; HDHs making IP, RDP and trade secret protected data, which may include sensitive and confidential data, available through the EHDS for secondary use; and HDUs intending to access IP, RDP and trade secret protected data for secondary use. 1 ‘RDP’: regulatory data protection rights, i.e. Article 10(1) of Directive 2001/83/EC, and Article 14(11) of Regulation (EC) 726/2004 2 ‘IP System’: the set of legal and regulatory measures established within the EU for the protection of IP rights, including RDP and Trade Secrets **Scope:** The background to this topic arises from the EU regulation for an EHDS. This topic focuses on the secondary use aspects of the regulation establishing the EHDS and recognises that, to be successful, there is a need to consider both the societal benefits of data-driven advancements in healthcare and the legitimate interests of public and private sector innovators for a strong IP system and

an efficient means of supporting the secondary use aspect of the EHDS. The specific challenges/problems addressed by the topic include: balancing the societal benefits of data-driven innovation in healthcare against the legitimate interests of public and private sector innovators to safeguard relevant legal and regulatory rights related to their data (e.g., copyright, (sui generis) database rights, CCI (Confidential Commercial Information), trade secrets, RDP (Regulatory Data Protection), patents, etc.); empowering HDHs and HDUs to engage with and use the EHDS for data-driven healthcare innovation by providing them with knowledge and tools, e.g., contractual agreements between HDHs and HDUs for data sharing or other potential legal, organisational or technical measures, to operationalise secondary data sharing and to safeguard intellectual property rights, trade secrets and regulatory data protections; developing robust frameworks and guidelines to support the implementation of the EHDS to enable harmonised and efficient sharing of IP-protected data (including in the context of cross-over with data anonymisation considerations) across all member states while safeguarding IP and trade secrets in support of innovation; and exploring concerns regarding commercial and competition-sensitive data and the risk of unauthorised disclosures. The topic objectives are to: build trust and confidence in the EHDS: respecting and keeping proprietary information confidential, creating trust and confidence among stakeholders and promoting their active participation in the EHDS to enable responsible and timely data sharing; propose implementation practices that will support the efficient inclusion of health data in the EHDS for secondary research purposes and support the procedural and operational aspects of the EHDS; support innovators' competitiveness by safeguarding valuable IP and trade secrets data whilst fostering further research and innovation; advance data governance and confidentiality practices within the EHDS to ensure appropriate protection of IP and trade secrets; ensure data governance throughout the whole product life cycle, from development to post market monitoring and update; minimise the administrative burden for HDABs, HDHs and HDUs impacted by the EHDS; ensure that relevant legal and regulatory rights of innovators are respected and timely preserved to minimise uncertainty and maximise opportunities for innovation under the EHDS; support an EHDS implementation that facilitates data sharing, innovation, and research to advance healthcare for EU citizens, and uses processes that take advantage of existing practices in industry and health authorities and are resource efficient. Applicants should envisage the following activities as part of their proposal: With regards to the outcome supporting the procedural and operational aspects of the EHDS: conduct research into data strategy, management and governance; conduct comparative reviews of existing data exchanges and the need for transparency, interoperability and standardisation of data; conduct comparative reviews with work developed in the context of national data spaces; through elaborate use cases, explore the procedural and operational aspects of the EHDS from various perspectives, including: assessing data sharing platforms and technologies, such as data security measures like encryption technologies, access control mechanisms, black boxes, federated learning, and their implications on the data sharing and IP system; investigating the sharing of different types of data covered by the EHDS, which include trade secrets and/or data protected by IP or RDP as well as complex data (for example, imaging data), for secondary use. This will help to address different scenarios regarding purpose, time of sharing, and territorial scope, potentially leveraging test environments to evaluate operational and practical aspects of data sharing and data usability under the EHDS. identify best practices, guidelines, standards, and tools for intellectual property, trade secret, and opt-in/out management that can be used and advanced within the EHDS frameworks; develop proposals for comprehensive frameworks, processes, policies and guidelines balancing the needs of HDHs to safeguard the IP system and minimise the administrative burden while facilitating data sharing and collaboration; develop mechanisms and technologies for IPR-aware data manipulation, including reviewing best practices in anonymisation / pseudonymisation techniques and synthetic data generation, with the goal of facilitating the reuse of electronic health data that is subject to IP protection; prepare recommendations for technical standards for access controls, data minimisation, secure data storage, anonymisation techniques, handling of evolving data sets, etc., which might benefit innovation related to trade secrets and IP protected data covered by the EHDS. With regards to the outcome striking the appropriate balance: evaluate and comparatively study laws, including trade secret laws and other laws of the EU Strategy for Data and of the EU Member States, to identify common and differentiating features and legal bases in order to propose recommendations for Member State implementation of HDABs and to develop guidance for IP and regulatory data protection covering areas such as dataset descriptions, data sharing policies and agreements, access controls, and governance practices and data use; conduct comprehensive research into the interplay between IP, transparency, regulatory data protection, state aid, competition laws, international treaties, the need for openness, and the potential risk for misuse of data under the EHDS; conduct research exploring compatibility and gaps of the EHDS versus existing laws around data and data sharing, IP, including protection of confidential information and trade secrets, and related laws, such as privacy, the EU data governance act, the EU data act, the EU AI act and regulatory data protection; propose guidelines and frameworks regarding data sharing and data use to support the balance of the societal benefits of data-driven healthcare research and innovation under the EHDS against the legitimate interests of public and private sector innovators for a strong IP system, including, for example, a classification of data into categories depending on IP sensitivity; develop guidance on responsible use and mechanisms to hold irresponsible / misusing HDUs accountable and prevent misuse; develop clear rules for data ownership and IP ownership determination for all kinds of newly generated data using EHDS; propose a harmonisation framework including standard agreements for IP ownership to enable secondary use of data provided via the EHDS for research purposes; analyse and provide recommendations on exploitation and publication of results by HDU and impact on HDHs with IP and trade secret protected data. With regards to the outcome establishing frameworks for dialogues: engage public and private innovators in the European Health Data Space 2 (EHDS2) Stakeholder Engagement initiative to shape the definition of responsible secondary use of data for research and innovative purposes

under the EHDS, including territorial considerations; prepare recommendations to develop a framework for dialogues between innovators and HDABs to address issues around innovation and operationalisation under the EHDS, balancing all the relevant stakeholders' legitimate interests. This engagement should, where possible, leverage and complement the action providing support to stakeholders on secondary use of data within the European Health Data Space 1 . With regards to the outcome educational aspects: develop training packages, including educational materials, guidance, recommendations, and other support tools to educate stakeholders about innovation, data sharing and the IP system under the EHDS. Training packages developed as part of this action should, where possible, leverage and complement outputs from the action developing capacity building for secondary uses of health data for the European Health Data Space 2 ; educate stakeholders about using the EHDS for innovative purposes. Applicants are expected to consider the potential regulatory impact of the results and, as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence as well as engaging with relevant regulators in a timely manner. Applicants should consider as relevant existing infrastructures/networks/collaborations to ensure synergies and complementarities. 1

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/tender-details/31fb9b46-36be-42ba-9b7a-9dea85c4abb7-CN> 2 https://hadea.ec.europa.eu/calls-tenders/capacity-building-secondary-uses-health-data-european-health-data-space_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - specific conditions on Availability, Accessibility and Affordability (3A) do not apply to this topic
 - JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 10 th Call for proposals full topics text is available here . Evaluation form (Research and Innovation Actions – single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage Calls) Proposal Templates Part A and Part B (Research and Innovation Actions – first and second stage of two-stage calls) :

1.

For 1 st Stage of two-stage Calls

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Short proposal - Part B : IHI JU Proposal template (RIA/SP) - Part B

Proposal Annexes : § Annex: Type of Participants The “type of participants” is an IHI specific annex. The excel template is related to:

Short proposals (first stage of two-stage calls) can be found [here](#) and the instructions on how to fill in this template can be found [here](#) . This is a compulsory annex , and it must be uploaded as a separate document in the submission system. **2. For 2 nd Stage of two-stage Calls**

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the **HE Part A template** [here](#)). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Full proposal - Part B : IHI JU Proposal template (RIA/FP) - Part B

Proposal Annexes: § Annex to the budget and type of participants The excel document template can be found [here](#) . Instructions on how to fill in the budget can be found [here](#) . Instructions on how to fill the type of participants can be found [here](#) . This is a compulsory annex , which complements the budget figures already included in the proposal budget in **PART A**. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). **§ Annex: Declaration of in-kind contribution commitment** The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found [here](#) . This is a compulsory annex and it must be uploaded as a separate document in the submission system. **§ Annex: In-kind contributions to additional activities (IKAA)** The ‘ ‘In-kind contributions to additional activities (IKAA)’ ’ is an IHI specific annex. The excel template can be found [here](#) and the instructions on how to fill in this template can be found [here](#) . This is an optional annex . **§ Annex: Essential information for clinical studies** The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your

proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act ‘SBA’ or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents : HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Per- and Poly-fluoroalkyl substance (PFAS) exposure, emissions, and end of life management in the healthcare sector

General Info

Topic ID : HORIZON-JU-IHI-2025-10-03-two-stage

Summary : Per- and Poly-fluoroalkyl substance (PFAS) exposure, emissions, and end of life management in the healthcare sector **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-10-03-two-stage>

Description

Expected Impact: This IHI JU topic will enable and directly contribute to the EU health priorities, initiatives, and policies. Healthcare products containing PFAS are often essential for the health of citizens in Europe and worldwide. The proposed IHI JU topic would strengthen collaboration between healthcare system stakeholders to reduce emissions of, and exposure to PFAS, evaluate alternatives and therefore, contribute to the EU Chemicals Strategy for Sustainability of the EU Green Deal. The action under this topic is expected to achieve the following impacts: contribute to IHI JU SRIA objectives, driving cross-sectoral health innovation for a competitive European health industry. Contribute to the objectives of the Industrial Strategy for Europe and Pharmaceutical Strategy for Europe; understanding human health and environmental risks from PFAS in healthcare from a life cycle perspective, i.e. mapping where PFAS is introduced in the healthcare industry and removal, where possible; manage PFAS risks with novel mitigation measures, including safe disposal, reuse, and recycling; develop methodologies and solutions for PFAS replacement that meet regulatory requirements without compromising efficacy, quality, safety, or environmental performance; position the EU as a leader in safe, sustainable PFAS alternatives through industry-academia collaboration; foster medicine supply in the EU, avoid non-EU dependencies, and keep R&D activities in Europe for active substances to address societal and political needs; strengthen stakeholder collaboration to reduce emissions and exposure until alternatives are found; share industry knowledge and best practices to inform future PFAS policy; improve business planning certainty for medical technology manufacturers, ensuring long-term sustainability and patient access. Possible target groups: medical technology and medicines manufacturers and their supply chains, stakeholders involved in regulatory approval process (i.e., notified bodies, policy makers); waste management companies; hospitals and other healthcare settings and providers. **Expected Outcome:** Per- and Poly-fluoroalkyl substances (PFAS) are a broad range of materials which have many uses within the scope of healthcare products, including as components of medicines, vaccines, medical devices, and diagnostics. These substances are currently critical to product quality, safety, and efficacy and essential to their manufacture and safe storage. PFAS make up a large group of persistent anthropogenic chemicals which are difficult to degrade and/or dispose of in an environmentally respectful manner. This IHI topic prioritises phasing-out PFAS of concern (specified below) as much as possible by using alternatives that maintain at least the same level of patient safety and product performance. Additionally, where it is not feasible to replace the use of PFAS, e.g. for technical or toxicological reasons, applicants should investigate how their use can be minimised / adequately controlled with respect to environmental exposure. The current knowledge needed to address these challenges is fragmented and incomplete. The action under this topic must contribute to all the following outcomes: replace PFAS: new environmentally sustainable materials as alternatives to PFAS that maintain patient safety are developed for the benefit of the healthcare industry and the citizens; reduce / re-use PFAS: improved usage of PFAS materials and minimised exposure is achieved for the benefit of the environment and therefore citizens and society; a mapping of the types and applications of PFAS throughout the supply chain is available for healthcare technologies and products, including collaborating with upstream suppliers; a database of alternatives to PFAS is available; new disposal processes of PFAS are available for the benefit of the environment and therefore citizens and society. **Scope:** To replace PFAS in medical technologies without risking human health, input from supply chain actors, scientists, and engineers is crucial. This includes assessing material availability, feasibility, and testing. Where

current technology falls short, understanding PFAS environmental exposure and mitigation must improve. Standardised testing protocols and quantification methodologies are needed to measure exposure accurately. Effective mitigation requires knowledge of exposure routes and environmentally sensitive disposal methods. A scientific, data-driven approach that aligns with the safe and sustainable by design (SSbD 1) framework is essential for lifecycle exposure management and ensuring alternative materials are safe and effective. Collaboration among scientists, policymakers, regulators, healthcare providers, chemical manufacturers, patient groups and trade associations and waste managers is vital to address technical, legal, and practical considerations. Proper scientific assessment of alternatives is necessary to maintain safety and quality. The key challenges in the field include: obtaining information on PFAS uses in healthcare due to a complex global supply chain and limited data sharing; many specific use requirements and potential exposure routes exist due to the ubiquitous nature of PFAS use in the healthcare sector, including in production equipment, consumables, packaging, delivery devices, medical devices, complex machinery and cleaning agents; identifying alternatives for high-performing PFAS like polytetrafluoroethylene (PTFE) while ensuring product quality and safety; end-of-life management of healthcare products is underdeveloped, with inconsistent approaches to multi-component waste management; current wastewater treatment technologies struggle to eliminate complex PFAS; consideration of PFAS guidelines and regional policy disparities that may impact the global utility of this study. The overall aim of this IHI JU topic is to provide world-leading, fully integrated and globally applicable solutions to address PFAS emission and exposure concerns, for example by substitution. To fulfil the IHI JU's topic aim, the applicant should address the following objectives:

Objective 1: Cross-sector solutions to develop PFAS alternatives

Activities: Establish public-private collaboration to increase knowledge about PFAS applications and alternatives with a focus on prioritised PFAS chemicals listed in Table 1; Document key performance characteristics for PFAS used in healthcare products, manufacture, and testing; Exploit industry, academic and manufacturing collaborations, incorporating skills such as chemical synthesis, material sciences and analytics to develop PFAS alternatives; Test and validate PFAS alternatives generated by this project and, in addition, PFAS alternatives developed through research external to this project against performance characteristics and applications. **Outputs:** Reporting system to label PFAS-containing raw materials or medical device components; Technology on optimised materials capable of replacing PFAS in specific applications; Reliable data on alternative materials that could replace PFAS and corresponding design and performance characteristics; Technology for replacing PFAS chemicals in chemical synthesis or excipients in drug manufacturing; Replacements for trifluoroacetic acid (TFA) in chromatography and other analytical methods; Development of PFAS-free process aids (tubing, gaskets, fittings); Searchable database of validated PFAS alternatives.

Objective 2: Understanding PFAS in the medtech sector

Activities: Identify and map PFAS types and applications in the medtech sector and align with those already identified in previous mappings of PFAS in the pharmaceutical industry; Develop a methodology for risk-benefit analysis of PFAS use; Establish public-private collaboration to gain knowledge about PFAS applications, alternatives, risks, and risk management options; Identify suppliers to raise awareness of PFAS alternatives and secure continuous supplies of raw materials and parts; Collect data on PFAS materials used in the supply chain, emissions, and mitigation options. **Outputs:** Increased knowledge of PFAS types and applications throughout the medtech and diagnostic process supply chain; Robust evaluation of PFAS alternatives; Enhanced stakeholder information sharing between medtech and the manufacturers of equipment, devices, disposables, PPE manufacturers and other activities identified by this mapping exercise.

Objective 3: Sector-specific solutions to reduce and reuse PFAS materials

Activities: Map and calculate PFAS exposure from different categories of applications; Develop end-of-life management options across the sector in line with the SSbD framework; Evaluate and leverage PFAS removal technologies; Evaluation of sector specific circular economy principles for applications where removal is not yet possible; Evaluate sector-specific solutions to minimise PFAS exposure in partnership with healthcare facilities and waste management companies. **Outputs:** End-of-life management guidelines for PFAS components/chemicals, including circularity aspects and waste treatment; PFAS-specific removal, decontamination or environmentally responsible disposal technologies for TFA from wastewaters.

PFAS application

PFAS materials

Films/plastics (primary contact material) for final drug product sterile packaging: Cap or stopper coatings/liners Vial stoppers Syringe stoppers Seal linings Blister packs ETFE (cap or stopper liners) Other coatings (proprietary) e.g., OmniFlex stopper coatings PTFE (coating for vial and syringe stoppers and seal linings) Films/plastics (primary contact material) in manufacture and containment of drug intermediates (drug substance): Containers/films/bottles Single-use processing bags Single-use bioreactors Probes/inserts Sterile liquid filtration membranes Liquid filtration – virus clearance Vent and/or gas filtration (of bioreactors/carboys) – filter membranes Devices PTFE thread sealing tape in engineering systems Biopharma drug cryostorage bags and cell culture cryostorage bags Support filters (e.g., HEPA/HVAC air purification) PVDF PTFE PTFE bottles FEB bags/bottles Films/plastics (primary contact material) for final drug product non-sterile packaging – blister packs PCTFE Analytical HPLC methods Intermediate, raw material or ancillary material used in manufacture or purification of protein-based drugs Use TFA in the mobile phase PTFE filters PTFE seals Tubing and tube fittings (manufacturing engineering systems and transfer of drug material intermediates and final product) incl. gaskets and O-rings Hardware systems (lined pipes, TFF cassette seals/components/solvent exchange systems/lined valves/gaskets Pumps and components (diaphragm) PVDF (tubings and fittings), PTFE, FKM (tubing/O-rings/gaskets), FEP, PFA Heat and/or chemical resistant components, nonreactive coatings/insulation/lubricants/refrigerants Additive of ABS Additive in polycarbonates ETFE: Ethylene tetrafluoroethylene; PTFE: Polytetrafluoroethylene; PVDF: Polyvinylidene fluoride; FEP: Fluorinated ethylene propylene; PCTFE: Polychlorotrifluoroethylene; TFA: Trifluoroacetic acid

Table adapted from EFPIA response to the ECHA consultation on the proposal for a universal ban on PFAS, Annex 3: ISPE_Industrial Use of Fluoropolymers &

Fluoroelastomers in Pharmaceutical Manufacturing Facilities Table 1 – Types of PFAS in use in healthcare industry. The project scope includes exploring alternatives to the PFAS materials listed here. (Table adapted from EFPIA response to the ECHA consultation on the proposal for a universal ban on PFAS, Annex 3: ISPE_Industrial Use of Fluoropolymers & Fluoro-Elastomers in Pharmaceutical Manufacturing Facilities). In addition to the critical uses in Table 1, the following high-priority PFAS use cases in the healthcare sector are core to this project's scope: production equipment and consumables (filters, tubing, seals/gaskets); primary and secondary packaging; medical devices (with and without patient contact) e.g. catheters, implants, needles, contact lenses; in vitro diagnostics (IVD), device handles; medical technology processing aids; complex machinery (diagnostic, imaging, research equipment); healthcare cleaning agents; healthcare consumables (surgical drapes, gowns, packaging, tapes, sutures, wound dressings, personal protective equipment (PPE)); wastewater treatment. The proposal should aim to collaborate with the following actors and initiatives: Industry associations and task forces with PFAS focus, such as EFPIA PFAS task force, Biophorum PFAS response team , Innovative Quality (Pharma) Consortium , American Chemical Society ACS) Green Chemistry Institute Pharmaceutical Roundtable , Pharmaceutical Supply Chain Initiative (PSCI) , Animal Health Europe (AhE) ; IMI/IMI2 JU and IHI JU consortia (past and ongoing), including Prioritisation and Risk Evaluation of Medicines in the Environment (PREMIER) and Intelligent Assessment of Pharmaceuticals in the Environment (iPiE) (on waste treatment), and the project resulting from IHI Call 4 topic 5 Safe & sustainable by design (SSbD) packaging and single use device solutions for healthcare products ; Ongoing Horizon 2020 projects and future Horizon Europe calls comprising a PFAS focus; The Partnership for the Assessment of Risk from Chemicals (PARC); Regulators (to inform, align expectations, assess impact on regulatory pathways and ensure data and results produced will be fit-for-purpose); for the pharmaceutical and medical device industries including the European Medicines Agency (EMA) , European Directorate for the Quality of Medicines & HealthCare (EDQM) & Official Medicines Control Laboratory (OMCL) network as well as additional national competent authorities. In the scope of this specific topic, engagement with the European Chemicals Agency (ECHA) should also be included. Applicants should consider developing and implementing a strategy and plan to support relevant regulatory interactions. 1 <https://publications.jrc.ec.europa.eu/repository/handle/JRC128591>

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
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IHI JU Evaluation form for Research and Innovation Actions (single and two-stage Calls) Proposal Templates Part A and Part B (Research and Innovation Actions – first and second stage of two-stage calls) :

1.

For 1 st Stage of two-stage Calls

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Short proposal - Part B : IHI JU Proposal template (RIA/SP) - Part B

Proposal Annexes : § Annex: Type of Participants The “type of participants” is an IHI specific annex. The excel template is related to:

Short proposals (first stage of two-stage calls) can be found here and the instructions on how to fill in this template can be found here . This is a compulsory annex , and it must be uploaded as a separate document in the submission system. 2. For 2 nd Stage of two-stage Calls

Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants and the overall proposal budget. Please note that only Part A of this template is applicable for this call. For Part B, see point below.

Proposal template Full proposal - Part B : IHI JU Proposal template (RIA/FP) - Part B

Proposal Annexes: § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex , which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a compulsory annex and it must be uploaded as a separate document in the

submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ‘In-kind contributions to additional activities (IKAA)’’ is an IHI specific annex. The excel template can be found [here](#) and the instructions on how to fill in this template can be found [here](#) . This is an optional annex . **§ Annex: Essential information for clinical studies** The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The information on clinical studies annex can be found [here](#) . This is a is a compulsory annex and it must be uploaded as a separate document in the submission system. **§ Annex: Ethics** This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . **Model Grant Agreement (MGA)**

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act ‘SBA’ or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents : HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108936":[{"action":"HORIZON-JU-IHI-2025-10-02-two-stage - HORIZON-JU-RIA HORIZON JU Research and Innovation
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Centres of Vocational Excellence

General Info

Topic ID : ERASMUS-EDU-2025-PEX-COVE

Summary : Centres of Vocational Excellence **Status** : Open

Deadline model : single-stage **Deadline** : 2025-06-11T00:00:00.000+0200 **Start Date** : 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PEX-COVE>

Description

Scope: CENTRES OF VOCATIONAL EXCELLENCE Implementing vocational excellence approaches features prominently in the overall EU policy agenda for skills and for Vocational Education and Training (VET). The European Skills Agenda, the European Education Area, the 2020 Council Recommendation on VET [<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32020H1202%2801%29>], as well as the Osnabrück Declaration [https://www.cedefop.europa.eu/files/osnabrueck_declaration_eu2020.pdf], all include very clear references to Vocational Excellence as a driving force for reforms in the VET sector. The initiative on Centres of Vocational Excellence (CoVE) aims to respond to this policy priority supporting reforms in the VET sector, ensuring high quality skills and competences that lead to quality employment and career-long opportunities, meeting the needs of an innovative, inclusive and sustainable economy(See brochure on VET skills for today and for the future). The CoVE initiative also supports the implementation of the European Green Deal, the Communication on attracting Skills and Talent and the new Industrial and SME Strategies, as skills are key to their success, as well as the Communication on skills and talent mobility adopted in 2023²⁴⁷, the Action Plan on labour and skills shortages, and the Council Recommendation ‘Europe on the Move’ . CoVEs operate in a given local context, creating skills ecosystems for innovation, regional development and social inclusion while working with CoVEs in other countries through international collaborative networks. They establish a bottom-up approach to vocational excellence involving a wide range of local stakeholders enabling VET institutions to rapidly adapt skills provision to evolving economic and social needs. They provide opportunities for initial training of young people as well as the continuing up-skilling and re-skilling of adults through flexible and timely offer of training that meets the needs of a dynamic labour market, including in the context of the green and digital transitions. They act as catalysts for local business development and innovation, by working closely with companies (in particular SMEs) on applied research projects, creating knowledge and innovation hubs, as well as supporting entrepreneurial initiatives of their learners. The networks aim for "upward convergence" of VET excellence. They will be open for the involvement of countries with well-developed vocational excellence systems, as well as those in the process of developing similar approaches, aimed at exploring the full potential of VET institutions to play a proactive role in support of growth and innovation. This initiative introduces a European dimension to vocational excellence by supporting the implementation of EU VET policy and actions agreed with member states, social partners and VET providers. The concept of vocational excellence proposed here is characterised by a holistic, learner-centred approach in which VET:

- Is an integrated part of skills ecosystems [Skill ecosystems are defined as regional or sectoral social formations in which human capability is developed and deployed for productive purposes (Finegold

1999). Their basic elements are business settings and associated business models, institutional/policy frameworks, modes of engaging labour, the structure of jobs, as well as the level of skills and systems for their formation (Buchanan et al. 2001). See A guide to the skill ecosystem approach to workforce development], contributing to regional development [Regional Development Policy - Regional development is a broad term but can be seen as a general effort to reduce regional disparities by supporting (employment and wealth-generating) economic activities in regions], innovation [An innovation is the implementation of a new or significantly improved product (good or service), or process, a new marketing method, or a new organisational method in business practices, workplace organisation or external relations], smart specialisation [Smart Specialisation is a place-based approach characterised by the identification of strategic areas for intervention based both on the analysis of the strengths and potential of the economy and on an Entrepreneurial Discovery Process with wide stakeholder involvement. It is outward-looking and embraces a broad view of innovation including] and clusters strategies [Industrial clusters are groups of specialised enterprises, often SMEs, and other related supporting actors in a location that cooperate closely. There are around 3000 specialised clusters in Europe. The renewed EU industrial policy recognises clusters as a powerful tool to support industrial innovation. See European Cluster Collaboration Platform (ECCP).], as well as to specific value chains and industrial ecosystems ;

- Is part of knowledge triangles [See Education in the knowledge triangle], working closely with other education and training sectors, the scientific community, and business;
- Enables learners to acquire both vocational (job specific) as well as key competences [As defined in the Council Recommendation of 22 May 2018 on key competences for lifelong learning] through high-quality provision that is underpinned by quality assurance;
- Builds innovative forms of partnerships [See ETF work on Public-Private Partnerships for inclusive skills development] with the world of work, and is supported by the continuous professional development of teaching and training staff, innovative pedagogies, learner and staff mobility and VET internationalisation strategies.

OBJECTIVES OF THE ACTION This action supports the gradual establishment and development of international collaborative networks of Centres of Vocational Excellence. The Centres of Vocational Excellence aim at achieving the following objectives:

- to ensure high quality skills through flexible and learner-centred VET provisions that lead to quality employment and career-long opportunities, swiftly responding to the needs of an innovative, inclusive and sustainable economy as well as to societal needs;
- to support and act as drivers for local and regional development, innovation and social inclusion in the context of the green and digital transitions;
- to contribute to upward convergence on VET excellence, to increase the quality of VET at system level in more and more countries;
- to ensure that outputs and results are taken into use and have impact beyond the project partner organisations and beyond the project period.

Centres of Vocational Excellence operate at two levels:

1. At national level, involving a wide range of local stakeholders creating skills ecosystems for local innovation, regional development, and social inclusion, while working with CoVEs in other countries through international collaborative networks.
 2. At international level , bringing together CoVEs that share a common interest in:
 - specific sectors [See for example the agricultural European Innovation Partnership (EIP-AGRI) works to foster competitive and sustainable farming and forestry] or industrial ecosystems [See 14 industrial ecosystems as described in Commission Communication on Updating the 2020 New Industrial Strategy , as well as the SWD(2021) 351, Annual Single Market Report 2021];
 - innovative approaches to tackle economic and societal challenges (e.g. climate change, digitalisation, artificial intelligence, sustainable development goals [See Berlin Declaration on Education for SDG], integration of migrants and disadvantaged groups, upskilling people with low qualification levels, etc.), or
 - innovative approaches to increase the outreach, quality and effectiveness of existing CoVEs. The networks will bring together existing CoVEs, or develop the Vocational Excellence model by linking partners from various countries, that intend to develop Vocational Excellence in their local context through international cooperation. They could contribute e.g. to the delivery phase of the New European Bauhaus initiative by collaborating with the communities involved in the local transformations fostered by the initiative. CoVEs achieve their objectives by bringing together and working closely with a set of local/regional partners such initial and continuing VET providers, higher education institutions including universities of applied sciences and polytechnics, research institutions, science parks, innovation agencies, companies, other employers, chambers and their associations, social partners, social enterprises, sectoral skills councils, professional/sector associations, national and regional authorities and development agencies, employment services, qualifications authorities, social inclusion and reintegration organisations, etc. This call will thus support projects bringing together local or regional partners from various countries developing a set of activities under projects clusters;
- 1) Teaching and learning, 2) Cooperation and partnerships, and 3) Governance and Funding. CoVEs are required to apply EU wide instruments and tools [Such as the EQF, EQAVET, Council Recommendation on a European Framework for Quality and Effective Apprenticeships, Council Recommendation on key competences, etc.] whenever relevant. They must include the design of a long-term action plan for the progressive roll-out of project deliverables after the project has finished. This plan shall be based on sustained partnerships between education and training providers and key labour market actors at the appropriate level. It should include the identification of appropriate governance structures, as well as plans for scalability and financial sustainability. While the Erasmus+ CoVE initiative promotes a European dimension to VET Excellence, the EU policy on VET Excellence also has an international dimension, supported by the European Training Foundation (ETF). ETF has developed a self assessment tool (ISATCOVE), a concept for a label for excellence, and is providing support services to organisations interested in vocational excellence. To

see the list of CoVEs already funded, please check EU Funding & Tenders Portal. Factsheets for the funded projects are also available on the website of DG Employment, Social Affairs and inclusion: Projects funded under the 2020 call for proposals Projects funded under the 2021 call for proposals Projects funded under the 2022 call for proposals For more information, see the Erasmus+ Programme Guide 2025

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the ERASMUS+ Programme Guide 2025
Proposal page limits and layout: Page limit for Part B of the Application Form (Technical Description) is 120 pages. Layout as described in the Important Notice of Part B Technical Description of the Application Form
- 2. Eligible Countries described in the ERASMUS+ Programme Guide 2025
- 3. Other Eligible Conditions described in the ERASMUS+ Programme Guide 2025
- 4. Financial and operational capacity and exclusion described in the ERASMUS+ Programme Guide 2025 5a. Evaluation and award: Submission and evaluation processes described in the ERASMUS+ Programme Guide 2025 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the ERASMUS+ Programme Guide 2025 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the ERASMUS+ Programme Guide 2025 Publication of the call: November, 28 2024. Deadline for submitting applications: June, 11 2025 17:00 (Brussels time). Evaluation period: June-November 2025. Information to applicants: December 2025. Signature of grant agreement: February 2026.
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Information on Partnerships and Activities (ERASMUS COVE) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Additional documents: Call Document (OFFICIAL JOURNAL) ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement How to manage your lump sum grants

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108536":[{"action":"ERASMUS-EDU-2025-PEX-COVE - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"60000000"},"plannedOpeningDate":"2024-12-05","deadlineModel":"single-stage","deadlineDates":["2025-06-11"]}]} }

Volunteering in support of humanitarian aid operations

General Info

Topic ID : ESC-HUMAID-2025-VOLUN

Summary : Volunteering in support of humanitarian aid operations Status : Open

Deadline model : single-stage Deadline : 2025-04-24T00:00:00.000+0200 Start Date : 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ESC-HUMAID-2025-VOLUN>

Description

Objective: The projects funded under Humanitarian Aid volunteering should: where relevant, facilitate the transition from the humanitarian response to long-term sustainable and inclusive development contribute to strengthening the capacity and resilience of vulnerable or disaster-affected communities; reinforce disaster preparedness and disaster risk

reduction; link relief, rehabilitation and development; ensure a high level of safety and security for volunteers. Additionally, to increase the quality and impact of the action on local communities, projects could include complementary activities. They should also facilitate the active involvement of local staff and volunteers from the countries and communities in which they are implemented. Scope: WHAT IS VOLUNTEERING IN SUPPORT OF HUMANITARIAN AID OPERATIONS? Volunteering under the European Voluntary Humanitarian Aid Corps (Humanitarian Aid Volunteering) takes place in third countries where there are ongoing humanitarian aid operations. This action gives the opportunity to young people aged 18 to 35 years old to contribute to society by short-term or long-term volunteering activities aimed at improving living conditions of people in need. Volunteering is a full-time (at least 30 and not more than 38 hours per week) non-remunerated activity. Projects must be in line with the humanitarian aid principles of humanity, neutrality, impartiality and independence, as well as with the 'do no harm' principle.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout as described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries as described in the call document .
3. Other Eligible Conditions as described in the call document .
4. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document .
5. Evaluation and award: Indicative timeline for evaluation and grant agreement as described in the call document . Publication of the call: NOVEMBER , 29
- 6.

Deadline for submitting applications: APRIL , 24 2025 17:00 (Brussels time). Evaluation period: APRIL

SEPTEMBRE 2025. Information to applicants: OCTOBER 2025. Signature of grant agreement: DECEMBER 2025. Call document and annexes: Call document Application form templates Standard application form (ESC) — the application form specific to this call is available in the Submission System Calculator (ESC UN HUMAID) Participant quality label information (ESC) Guidance ESC Programme Guide Model Grant Agreements (MGA) ESC Unit MGA Additional documents: ESC Annual Work Programme ESC Regulation 2021/888 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Rights of the child and children's participation

General Info

Topic ID : CERV-2025-CHILD

Summary : Rights of the child and children's participation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CERV-2025-CHILD>

Description

Scope: This call for proposals aims at supporting, advancing and implementing comprehensive policies to protect and promote the rights of the child, including the right to participate. It responds to children’s current needs and challenges in the EU, through three priorities: Children’s rights in the digital age Children’s engagement and participation Embedding a rights of the child perspective in actions at national and local level This call focuses on the implementation of the actions and recommendations at EU, national and local levels of the EU Strategy on the rights of the child. It aims at responding to children’s current needs and challenges in the EU. It pays attention to the rights of children with specific needs and vulnerabilities, including those who fled the Russian’s war of aggression against Ukraine. Projects can be national or transnational. Transnational projects are particularly encouraged.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout Proposal page limits and layout are described in: Section 5 of the Call document Part B of the Application Form available in the Submission System.
- 2. Eligible Countries Described in section 6 of the call document .
- 3. Other Eligible Conditions Described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion Described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes Described in section 8 of the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Described in section 9 the call document .
- 5. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section 4 of the call document . Publication of the call: 17 December 2024 . Deadline for submitting applications: 29 April 2025, 17:00 (Brussels time) . Evaluation period: May-October 2025 . Information to applicants: October 2025 . Signature of grant agreement: December 2025-January 2026 .
- 6. Legal and financial set-up of the grants Described in section 10 of the call document. Call document and annexes: Call document Application form templates Standard application form (CERV) — the application form specific to this call is available in the Submission System Detailed budget table (CERV LSII) Model Grant Agreements (MGA) Lump Sum MGA Additional documents: CERV Work Programmes CERV Regulation 2021/692 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Full Scale Exercises

General Info

Topic ID : UCPM-2025-KAPP-EX

Summary : Full Scale Exercises **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-02-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/UCPM-2025-KAPP-EX>

Description

Objective: The overall objective is to improve civil protection preparedness and response to all kinds of disasters inside the Member States/Participating States of the Mechanism by providing a testing environment and a learning opportunity for all actors involved in civil protection assistance interventions: a full-scale exercise. **Themes & priorities :** The scenario for the exercises should build on risk assessments. Examples, but not exclusively , extreme weather, wildfires, floods, earthquakes, tsunamis, industrial risk, critical infrastructure disruption, marine pollution, epidemic/health risk, CBRN, and multi-sectorial emergencies. In addition to the main theme, cross-cutting issues such as gender, age, persons with disabilities, human rights, environmental sustainability, green economic practices, digitalisation, resilience in infrastructure, the protection of cultural heritage, etc. are encouraged to be considered and included as relevant.

Proposals that can be funded : The beneficiaries will design, plan, conduct and self-evaluate one full-scale exercise project in Member States. The full-scale exercise project must include the following elements and activities (see section 2.3: minimum requirements): Realistic and challenging scenario linked to risk assessments Management and control structures for the project and for the conduct of the exercises Activation of the Mechanism Deployment of an EU Civil Protection Team Deployment of assets and teams of the European Civil Protection Pool (ECPP) Use of the Common Emergency Communication and Information System (CECIS) Information exchange between the affected country(ies), participating states and the ERCC The involvement of relevant national operational structures EU Host Nation Support guidelines EU observers Evaluation, lessons learned and way forward EU visibility

Scope: This call supports exercise projects aiming to design, plan, prepare, implement, conduct and evaluate different civil protection activities including a full-scale exercise in a multi-national scenario as the main event of the project. The scenario should simulate the situation and conditions of all types of disasters calling for the activation of the Mechanism, including the main theme and cross-cutting issues. The overall objective of the Mechanism is to strengthen the cooperation among Member States/Participating States in the field of civil protection in order to facilitate coordination to improve the effectiveness of the system for preventing, preparing for, and responding to natural and man-made disasters. Any country in the world overwhelmed by a disaster can call on the Mechanism for help. By pooling the civil protection capabilities of the Member States/Participating States, the Mechanism can ensure better protection primarily of people, but also of the natural and cultural environment and of property. In addition to the UCPM-2024-KAPP, direct grants without calls for proposals for disaster risk management actions –‘Technical Assistance for Disaster Risk Management’- will be launched simultaneously. They will address national disaster risk management authorities of the EU Member and UCPM Participating States. An invitation to submit a proposal will be sent to the above mentioned authorities. Full background information about European civil protection activities is available at http://ec.europa.eu/echo/what/civil-protection_en.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Technical Guide for UCPM Full-scale exercises Application form templates Standard application form (UCPM Prevention and Preparedness) — the application form specific to this call is available in the Submission System Detailed budget table (UCPM) Letter of support (UCPM) Model Grant Agreements (MGA) UCPM MGA Additional documents: UCPM Work Programmes UCPM Decision 1313/2013 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Innovative Deployable Antennas

General Info

Topic ID : PPPA-2025-DEPLAN

Summary : Innovative Deployable Antennas **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2025-02-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/PPPA-2025-DEPLAN>

Description

Expected Outcome: Deployable antennas are a key element of satellites enabling them to receive and transmit data. They are relevant for all types of space applications such as navigation, Earth observation, science and defence. The need for the space sector to rely on space qualified technology with high level of quality, reliability, robustness, suitability to space harsh environment demonstrated by in-orbit demonstration and validation presents a challenge for the availability of antennas, especially large deployable antennas with a diameter at or above 5 meters. Additionally, the launch and deployment of large structures in space presents further technological and cost challenges. It is important to explore novel approaches that can reduce development, manufacturing, launch and deployment costs for such large antennas, as well as approaches that can allow in-orbit manufacturing, disassembly, re-use and recycling of parts from defunct satellites, overall contributing to a higher sustainability of space infrastructure. Emerging technologies and concepts linked to the deployment and assembly/disassembly of such structures in orbit, as well as the re-use of parts are key for the future. The expected outcomes of this pilot project are the following: Contribute to higher sustainability of space infrastructure by reinforcing the feasibility and potential of novel techniques linked to the in-orbit recycling of space assets The identification of novel techniques for ground manufacturing of deployable antennas and the re-use parts/materials from end-of-life assets and antennas for further manufacturing/assembly in-orbit Contribute to the elaboration of possible future use-cases for planned initiatives such as the In-Space Operations and Services (ISOS) Pilot Mission under the “Acting in Space” activities in Horizon Europe [1] Reduce the dependencies from non-EU countries for the critical space technologies relevant to reflectors and deployable antennas, accelerate time to market and increase EU sovereignty. The pilot project is expected to contribute to the above-mentioned challenges and considerations. This will contribute to developing, deploying global space-based services applications and data and contribute to fostering the EU's space sector competitiveness. Scope: To tackle the above expected outcomes, all the following R&I actions should be addressed in the proposals: The development of novel ground manufacturing technologies for deployable antennas of larger diameters, at or above 5 meters, such as compatible low-cost and short manufacturing-time reflector moulds and novel materials and surfaces to ensure equivalent current performance or improved levels in terms of losses, depolarization, bandwidth, efficiency of reflector antennas The identification and testing of methods to retrieve the useful materials or components from end-of-life antennas for reuse in the assembly or manufacturing of new hardware on orbit; The definition of a holistic design concept for innovative deployable antennas that considers the integration of new manufacturing techniques and concepts that will allow in-orbit deployment, as well as disassembly, re-use and recycling of parts. This concept should be implemented in simulation and demonstrated in a small-scale laboratory environment (TRL4). Technologies under development in the above R&I should target the demonstration of TRL4. Proposals are expected to promote cooperation between different actors (industry, SMEs and research institutions) and consider opportunities to quickly turn technological innovation into commercial use in space. Proposals should explore relevant and promising solutions developed in Horizon Europe, Horizon 2020, European Innovations Council (EIC) or other EU-funded relevant activities, in particular, the topics: Technologies for European non-dependence and competitiveness (COMPET-1-2017), SRC – Space robotics technologies (H2020-SPACE-12-TEC-2018, SPACE-27-TEC-2020), Future Space Ecosystem (HORIZON-CL4-2021-SPACE-01-12/ 2022-SPACE-01-11/ 2023-SPACE-01-12), EIC Pathfinder Challenges 2024 and in relevant projects funded by the European Space Agency (ESA) and/or national programmes. The project awarded from this call should explore synergies and complementarities with the projects awarded from the HORIZON-CL4-2025-02-SPACE-21/22/23/24 and ISOS Pilot Mission Coordination and Support Action call topics. In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement. [1] In Space Operations and Services – a strategic ability for the future - European Commission

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout The page limit of the application is 70 pages. described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System and section 5 of the call document
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions In order to achieve the expected outcomes, and safeguard the Union’s strategic assets, interests, autonomy, or security, and in accordance with Article 197(3) of the Financial Regulation, this action is implemented with regard to the following eligibility and participation conditions: (a) The eligible legal entity is established in an EU Member State, Norway and Iceland and its executive management structures are established in that Member State and/or country; (b) The eligible legal entity commits to carry out all relevant activities in one or more EU Member States, Norway and/or Iceland; (c) The eligible legal entity is not to be subject to control by a third country or by a third country entity. For the purpose of these conditions, ‘control’ means the ability to exercise a decisive influence over a legal entity directly, or indirectly through one or more intermediate legal entities. Eligibility conditions with regards to the consortium composition follow the Horizon Europe RIA rules. The reference to third country above shall be understood as any country other than EU Member State, Norway or Iceland. Declaration of ownership and control: a compulsory questionnaire on the declaration of ownership and control is to be filled by all project participants as part of the application. All declarations must be assembled by the coordinator and uploaded in a single file in the portal submission system. For successfully evaluated proposals that enter into Grant Agreement Preparation, an assessment of the ownership and control shall take place by the granting authority. Failure to demonstrate condition (c) above shall result in non-eligibility of the participant. described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 8 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 2 of the call document .
- 5. Legal and financial set-up of the grants described in section 9 of the call document . Call document and annexes: Call document Application form templates The application form specific to this call is available in the Submission System. Ownership and Control Assessment Participants must undergo an ownership control assessment and must fill in the Ownership Control Declaration template which is obligatory in the application form. This declaration must be signed by a person empowered to represent the legal entity. The coordinator must combine all declarations into one single document and submit it with the proposal (signed originals should be kept on file by the participants). Proposals missing this annex for any of their participants may be declared inadmissible. Public bodies are exempted from this obligation but they will automatically be considered as controlled by their country. Formal validation in the Participant Register is required; ‘declared’ status is not sufficient. If your proposal passes evaluation, the Commission Services will then contact you during grant preparation to upload the necessary supporting documents. The documents required will be listed in the notification you receive. In general, you will need to provide documents showing your ownership/control situation (documents showing all direct and indirect shareholders, statutes, articles of association, shareholders’ agreements, reports/minutes of shareholders meetings, ID documents of ultimate owners, etc). The definition of Control and possible application of Guarantees is the one described in the Guidance applicable for Horizon Europe (Participation in Digital Europe Programme (DEP), Horizon Europe (HE) and European Defence Fund (EDF) restricted calls , Sections 3 and 4). Reference Documents EU Funding & Tenders Portal (for Pilot Projects and Preparatory Actions) EU Financial Regulation Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Additional documents: EU Financial Regulation 2024/2509 Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Multiband 4D Radar

General Info

Topic ID : EDF-2025-DA-SENS-MB4DR-STEP

Summary : Multiband 4D Radar **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-SENS-MB4DR-STEP>

Description

Expected Impact: The outcome should contribute to: The proper coverage of use cases integrating technologies established through the EU industries. The improvement of operation capabilities and resilience to future scenarios of EU Member States' and EDF Associated Countries' defence forces, in line with their strategic needs and trends. Increasing the interoperability and interchangeability between participating EU Member States and EDF Associated Countries and industry. The development of innovative systems, which should be more efficient, scalable, and adaptable to different platforms (initially naval but also e.g., in the future ground, air). Reducing the cost of the future systems development and their maintenance throughout life cycle. Objective: In the context of the maritime domain becoming increasingly contested, the state of the art of naval capabilities and interoperability are key to protect the EU interests. Evolving operational scenarios demand increased sensor capabilities. The radar sensor technology is also concerned with this capability upward trend, under challenging multi-domain threat conditions (land, sea, air, space and cyber). Over the past decade, significant advancements have been made in fundamental technologies that influence both hardware and software aspects of radar systems. These advancements include among others the evolution of Radiofrequency (RF) electronics, digital technology, photonics, and smart antennas in the hardware domain, as well as the integration of machine learning, multiplatform virtualisation, and cloud/edge computing in the software domain. The integration of these cutting-edge technologies has led to an enhanced capability that enables a shift from a multiple-radar sensor approach to a multifunction radar netted approach, thereby optimising sensor strategy and overall system performance. At the same time, the use of the electromagnetic spectrum has quickly increased in civil applications as well as military operations, originating a congested electromagnetic scenario, with a fast evolution of electronic warfare (EW) equipment with effective jamming techniques. This scenario demands radar sensors with more robust capabilities to accomplish their missions. The next generation of radar systems could benefit from extending their bandwidth for increased resolution to address strong clutter, low Radar Cross Section (RCS), stealth targets, and robustness against electronic counter measures (ECM). The objective of this call topic is to demonstrate the enhanced capability of the integration of these technologies in a multiband 4D radar demonstrator to be developed as the basis of EU integrated systems for future naval platforms and further application to ground/air surveillance systems. It should allow EU to remain at the forefront of technology and maximise interoperability by design to operate with technological superiority and to increase the EU strategic autonomy. A 4D radar is an advanced radar system used in defence applications combining 3D radar capabilities measuring range, azimuth, and elevation of the target, with time or velocity as an additional dimension. This allows a more accurate track of the targets, providing information on their position, speed, and direction in real-time, and improving situational awareness, target identification, and engagement capabilities for defence systems (e.g., missile defence or air defence). Specific objective The specific challenge of this topic is to propose a technology integration demonstrator, as the basis for a future multiband 4D radar system that performs simultaneous sea, land, air and space warfare capabilities, and that is suitable to be integrated into a naval platform self/area-defence and combat management system within an air surveillance command and control system. The development of a multiband demonstrator including a multifunction capability with radar and communications should improve situational awareness and enhance interoperability. Regarding radar, it aims to show enhanced detection of conventional air/surface and Tactical Ballistic Missiles (TBM) targets as well as new threats including tactical and strategic hypersonic targets and Low Earth Orbit (LEO) objects. The system should be able to be integrated in a cooperative capability network with other platform sensors providing multi-static operation with cooperative remote assets. It should present simultaneous operation in multiple frequency bands, aiming at ensuring the coverage of at least one decade and providing hybrid active-passive radar operation. Regarding communications, it should provide the capabilities for management of bidirectional weapon datalinks. The objective of the final system is to be seamlessly integrated within the combat management system and the fire control loop, being able to provide a multistatic capability (the radar being an illuminator or a receiver) and being multifunctional enabling communications to establish datalinks within collaborative signals/carriers. Additionally, the final system should consider the inclusion of innovative collaborative capabilities to augment the efficiency of EU Member States' and EDF Associated Countries' forces. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: Proposals must address the demonstration of essential elements for future EU naval radar systems with future application to ground systems for air surveillance, covering four main areas: Intelligent electromagnetic spectrum management. Using multiple radar bands

adapted to the operation and functionality required in a condensed jammed electromagnetic spectrum of operation. Communication links for multiple bidirectional links to weapons, effectors and possibly remote assets (e.g., unmanned air systems). Full integration of the future final system in a combat management system, with enhanced collaboration with multiple platforms. Autonomous system based on optimised cognitive capabilities designed for limited human interaction dependencies to facilitate efficient and safe operations in multiple complex scenarios. They must include detection of challenging targets, multiband operation, interoperability, interchangeability, scalability, integration in maritime platforms, modelling, simulation, and functional tests among other characteristics indicated below. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (optional) (f) Testing of a defence product, tangible or intangible component or technology Yes (optional) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (optional)

Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Integrating knowledge: Describe interface requirements to assure interoperability between different technological solutions. Define and be based on design standards to obtain interoperability and scalability of the system. Elaborate a roadmap, identifying the technology needs and perspective to de-risk product feasibility. Studies: Define operationally realistic use cases (vignettes) and performance indicators defining the Measures of Effectiveness (MoEs) to be used in the evaluation process. Define and model tasks to determine multiband operation of the system. Define the integration into different naval platforms and the expected performance in naval operative applications. Perform simulations to evaluate the potentiality of the multiband approach to the selected scenarios. Design: Describe the detailed design architecture and interfaces. Define in details the hardware to perform multiband 4D operation. Design the multiband and multifunction AESA antenna to demonstrate the concept through a demonstrator. Develop a software model of the system to simulate performance and assess its capabilities (initial Digital Twin of the demonstrator). Define the software processes needed to optimise spectrum management in congested scenarios (interferences and jamming) and complex environments. Identify algorithms to optimise performance based on the multiband radar capabilities and address the following specified targets, including necessarily but not limited to: Very low Radar Cross Section (RCS) (latest generation and stealth fighters and missiles) Hypersonic vehicle threats Low Earth Orbit (LEO) objects Small and manoeuvring unmanned targets (land, sea & air). The proposal should develop a multiband AESA integrated demonstrator as a proof-of-concept for the principal AESA operational capabilities (beamforming, synchronisation and calibration), demonstrating it at least in a controlled environment (e.g., anechoic chamber) but preferably in a relevant environment. The multiband AESA demonstrator should include the necessary hardware and software to demonstrate the multiband AESA technology integration and the capability to fulfil the spectrum management for future operational capabilities. Perform functional test on the multiband integrated model to demonstrate its capabilities and smart management of the spectrum. Analyse the results in terms of the defined performance indicators and Measures of Effectiveness (MoEs). Extrapolate results using the developed system model to practical scenarios where algorithms to increase performance based on the multiband capability should be applied. Improve the software model with the results of the testing for further refinement of the results. The proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of advance active and passive sensors, notably those described in the call topics PADR-EMS-03-2019 on European active electronically scanned array with combined Radar, communications, and electronic warfare functions for military applications ; EDF-2021-SENS-R-RADAR and EDF-2022-RA-SENS-ART on Advanced Radar Technologies ; EDF-2022-RA-SENS-CSENS on Covert Sensing , EDF-2022-DA-NAVAL-NCS on Naval Collaborative Surveillance ; and EDF-2023-DA-SENS-GRID on Sensor grid . Functional requirements The proposed product and technologies should be a 4D Radar which meets the following functional requirements: Operation concept definition focused on challenging scenarios considering threats in sea, land, air and space, interference and jamming and special environment situations. Multiband approach, including simultaneous multiband radar operation, aiming at ensuring the coverage of at least a decade from L to X bands and at including smart management of the spectrum. Communications functionalities, including bidirectional datalinks to weapon and effector systems and other remote cooperative signal/carriers, ensuring the integrity and security of data. Usage of a scalable AESA design to be adapted to multiple naval platforms or in the future ground-air surveillance systems. Incorporation of the objective of minimal size, weight, and power (SWAP) adapted to the needs of the selected platform. Minimisation of RF emissions without compromising the quality of the functions required (e.g., by reducing the number of antennas on ship decks). Conceptual design of the complete Multiband 4D Radar in accordance with the following architectural concepts, to allow for further integration between technologies and EU industries: Integrated modular and scalable architecture (IMOSA),

with high modularity and scalability to adapt to multiple platforms. Software multiplatform virtualisation. Use of fully digital AESA in transmission and reception modes. Resilient cyber-physical system, preventing malware and gaps in the cyber, cyber-physical and physical dimensions of the system. A network-enabled radar that explores the sustainability challenges facing digitalisation and military data centres.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support to the EDF National Focal Points (NFP) network

General Info

Topic ID : EDF-2025-CSA-NFP

Summary : Support to the EDF National Focal Points (NFP) network **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-CSA-NFP>

Description

Expected Impact: The outcome should contribute to: Enhance the functioning of the EDF-NFP network. Increase the impact of the EDF in maximising the competitiveness of EU defence industry, its capacity to innovate and contribute to developing key technologies for the future. Strengthen cross-border collaboration between EDF-NFPs and improve coordination in EDF-NFP-related activities that reach more than one Member State or Associated Country. Continuously improve the services of the individual EDF-NFPs with respect to all aspects of participation in the EDF and to all stakeholders concerned. Foster matchmaking activities to facilitate the forming of consortia participating in the EDF calls. Enhance the cooperation of EDF-NFPs with the Enterprise Europe Network and other relevant networks.

Objective: The National Focal Points for the EDF (EDF-NFPs) consists of a network of individuals nominated by EU Member States and EDF Associated countries that are supported by national structures established under the responsibility and control of the EU Member States and EDF Associated Countries. The NFPs form an essential part of the EDF implementation by providing practical information, advice, training, and other forms of assistance to stakeholders on all aspects of participation in the EDF. This action aims at facilitating trans-national cooperation between EDF-NFPs with a view to identifying and sharing good practices and raising the general standard of support to (potential) programme applicants, taking into account the diversity of actors that could benefit from the programme and thus contribute to strengthening the EDTIB. Scope and types of activities

Proposals must include coordination and support activities in accordance with the following requirements, with a view to improving the competence of EDF NFPs by rapidly acquiring the know-how developed in other EU Member States and EDF Associated Countries. Key project tasks such as project management and organisation of trainings are not eligible for subcontracting. NFPs that choose not to participate as a member of the consortium, are nevertheless invited and encouraged to participate in the action activities (e.g., trainings), and the costs incurred by the consortium for such participation (e.g., travel costs paid by the consortium) may be included in the estimated budget and be eligible for funding by the Commission. Scope: Proposals must include coordination and support activities in accordance with the following requirements, with a view to improving the competence of EDF NFPs by rapidly acquiring the know-how developed in other EU Member States and EDF Associated Countries. Key project tasks such as project management and organisation of trainings are not eligible for subcontracting. NFPs that choose not to participate as a member of the consortium, are nevertheless invited and encouraged to participate in the action activities (e.g., trainings), and the costs incurred by the consortium for such participation (e.g., travel costs paid by the consortium) may be included in the estimated budget and be eligible for funding by the Commission.

Requirements The proposals should include: A detailed management plan that is adequate for the size and scope of the project NFP-organised joint trainings to improve the services they provide, share experiences and best practices in relation to their support for the EDF. Twinning arrangements/facilities (in person visits or virtual), where NFPs can learn from their counterparts about the different approaches adopted in supporting national

entities’ participation in the EDF. The development of information and promotional materials (both in digital and physical formats) that can be used by the whole NFP network, relating to the services the NFP network is providing and on practical aspects of participating in the EDF. The organisation of cross-border matchmaking events at selected international and European defence fairs or at national information activities such as national EDF Info Days. The setting up of a website providing information about the services supported by the action, including, but not limited to listing relevant events, introducing the EDF with a special focus on entities that are new to defence research and development, and a facility to conduct partner search taking into account existing platforms and practices. The development of methodologies to help EDF-NFPs to interact with Enterprise Europe Network that has already well-established contacts with entities that are active in civilian R&D and can facilitate matchmaking. Interaction with relevant national industry associations and with relevant Horizon Europe NCP networks, with the objective to have a wider reach to industrial entities and make the EDF better known. The action should provide clearly defined and quantified deliverables and milestones in line with all the activities mentioned.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF CSA) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Organic products under Union quality scheme OR Union sustainable agriculture and animal welfare in any third country/ies

General Info

Topic ID : AGRIP-MULTI-2025-TC-ORG-SUST

Summary : Organic products under Union quality scheme OR Union sustainable agriculture and animal welfare in any third country/ies **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Description

Scope:

- The objective is to increase the awareness and recognition of the Union quality scheme on organic production. Information and promotion programmes on the Union quality scheme on organic production method should be a key priority since this scheme provides consumers with assurances on the sustainability, quality and characteristics of the product and the production process used and the environmental benefits they generate, thereby achieving added value for the products concerned and enhancing their market opportunities. The expected ultimate impact is to increase awareness of the Union quality scheme on organic production and to enhance the competitiveness and consumption of organic products, raise their profile and increase their market share.
- The objective is to highlight the sustainability of Union agriculture, stressing its beneficial role for the climate, the environment and animal welfare. The production method(s) of the promoted product(s) shall cover at least two of the areas of actions listed in Article 31(4) of Regulation (EU) 2021/2115 while respecting the conditions laid down in paragraph 5 of that Article. The expected ultimate impact is to increase the awareness of the Union sustainable agriculture practices beneficial for the climate, the environment and animal welfare by consumers and to enhance the competitiveness and consumption of sustainably produced agri-food products in the Union, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (AGRIP MULTI) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide Model Grant Agreements (MGA) AGRIP Multi-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Union sustainable agriculture and animal welfare

General Info

Topic ID : AGRIP-MULTI-2025-IM-SUSTAINABLE

Summary : Union sustainable agriculture and animal welfare **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-MULTI-2025-IM-SUSTAINABLE>

Description

Scope: The objective is to highlight the sustainability of Union agriculture, stressing its beneficial role for the climate, the environment and animal welfare. The production method(s) of the promoted product(s) shall cover at least two of the areas of actions listed in Article 31(4) of Regulation (EU) 2021/2115 while respecting the conditions laid down in paragraph 5 of the said Article. The expected ultimate impact is to increase the awareness of the Union sustainable agriculture practices beneficial for the climate, the environment and animal welfare by the European consumers and to enhance the competitiveness and consumption of sustainably produced agri-food products in the Union, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (AGRIP MULTI) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide Model Grant Agreements (MGA) AGRIP Multi-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109177":[{"action":"AGRIP-MULTI-2025-TC-ALL - AGRIP-MULTI-PJG AGRIP MULTI Project

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Organic production method

General Info

Topic ID : AGRIP-MULTI-2025-IM-ORGANIC

Summary : Organic production method **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-MULTI-2025-IM-ORGANIC>

Description

Scope: The objective is to increase the awareness and recognition of the Union quality scheme on organic production. Information and promotion programmes on the Union quality scheme on organic production method should be a key priority in the internal market since this scheme provides consumers with assurances on the sustainability, quality and characteristics of the product and the production process used, the environmental benefits they generate, thereby achieving added value for the products concerned and enhancing their market opportunities. One of the expected results is to further increase the levels of recognition of the EU organic logo by the Union consumers and increased knowledge of the information the organic logo aims to provide. According to Special Eurobarometer 520, 61 % of Union consumers recognize the EU logo of organic farming. The expected ultimate impact is to increase awareness of the Union quality scheme on organic production and to enhance the competitiveness and consumption of organic products, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .

5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (AGRIP MULTI) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide Model Grant Agreements (MGA) AGRIP Multi-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109177":[{"action":"AGRIP-MULTI-2025-TC-ALL - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"12500000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"AGRIP-MULTI-2025-IM - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"3100000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"AGRIP-MULTI-2025-IM-FRESH-FV - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"3600000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"AGRIP-MULTI-2025-IM-ORGANIC - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5400000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"AGRIP-MULTI-2025-TC-ORG-SUST - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"3000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"AGRIP-MULTI-2025-IM-SUSTAINABLE - AGRIP-MULTI-PJG AGRIP MULTI Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"7400000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}]}}
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Fruit and vegetables in the internal market in the context of balanced and healthy dietary practices

General Info

Topic ID : AGRIP-SIMPLE-2025-IM-FRESH-FV

Summary : Fruit and vegetables in the internal market in the context of balanced and healthy dietary practices **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-IM-FRESH-FV>

Description

Scope: The Commission is committed to promoting balanced and healthy dietary practices [1] . Actions shall highlight the benefits of consuming fresh fruit and vegetables in a balanced diet. The messages could notably focus on aiming at having at least 5 portions of a variety of fruit and vegetables each day; knowing the place of fruit and vegetables in the food pyramid, and understanding the beneficial impact of fruit and vegetable consumption on health. The objective is to increase the consumption of Union fresh fruit and vegetables by informing consumers about balanced and healthy dietary practices. The expected ultimate impact is to enhance the competitiveness and consumption of the concerned Union agri-food products, raise their profile and increase their market share. [1]

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions n/a
- 4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRI SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRI MULT and SIMPLE) Information on representativeness (AGRI MULT and SIMPLE) Guidance AGRI Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRI Mono-beneficiary Model Grant Agreement Additional documents: AGRI Annual Work Programme AGRI Regulation 1144/2014 AGRI Delegated Regulation 2015/1829 AGRI Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109185":[{"action":"AGRI-SIMPLE-2025-IM-EU-QS - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"9000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109184":[{"action":"AGRI-SIMPLE-2025-IM-CHARACTERISTICS - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109187":[{"action":"AGRI-SIMPLE-2025-IM-SUSTAINABLE - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"6000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109186":[{"action":"AGRI-SIMPLE-2025-IM-ORGANIC - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"10000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109189":[{"action":"AGRI-SIMPLE-2025-TC-AMERICAS - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"9300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109188":[{"action":"AGRI-SIMPLE-2025-TC-OTHERS - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"17300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109191":[{"action":"AGRI-SIMPLE-2025-IM-FRESH-FV - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"9100000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109190":[{"action":"AGRI-SIMPLE-2025-TC-ORG-SUST - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}},"109183":[{"action":"AGRI-SIMPLE-2025-TC-ASIA - AGRI-SIMPLE-PJG AGRI SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"16300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}}]}

Support for simple programmes promoting Organic products under Union quality scheme OR Union sustainable agriculture and animal welfare in any third country/ies

General Info

Topic ID : AGRIP-SIMPLE-2025-TC-ORG-SUST

Summary : Support for simple programmes promoting Organic products under Union quality scheme OR Union sustainable agriculture and animal welfare in any third country/ies **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-TC-ORG-SUST>

Description

Scope:

- The objective is to increase the awareness and recognition of the Union quality scheme on organic production. Information and promotion programmes on the Union quality scheme on organic production method should be a key priority since this scheme provides consumers with assurances on the sustainability, quality and characteristics of the product and the production process used and the environmental benefits they generate, thereby achieving added value for the products concerned and enhancing their market opportunities. The expected ultimate impact is to increase awareness of the Union quality scheme on organic production and to enhance the competitiveness and consumption of organic products, raise their profile and increase their market share.
- The objective is to highlight the sustainability of Union agriculture, stressing its beneficial role for the climate, the environment and animal welfare. The production method(s) of the promoted product(s) shall cover at least two of the areas of actions listed in Article 31(4) of Regulation (EU) 2021/2115 while respecting the conditions laid down in paragraph 5 of the said Article. The expected ultimate impact is to increase the awareness of the Union sustainable agriculture practices beneficial for the climate, the environment and animal welfare by the European consumers and to enhance the competitiveness and consumption of sustainably produced agri-food products in the Union, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109185":[{"action":"AGRIP-SIMPLE-2025-IM-EU-QS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109184":[{"action":"AGRIP-SIMPLE-2025-IM-CHARACTERISTICS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109187":[{"action":"AGRIP-SIMPLE-2025-IM-SUSTAINABLE - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"6000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109186":[{"action":"AGRIP-SIMPLE-2025-IM-ORGANIC - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"10000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109189":[{"action":"AGRIP-SIMPLE-2025-TC-AMERICAS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109188":[{"action":"AGRIP-SIMPLE-2025-TC-OTHERS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"17300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109191":[{"action":"AGRIP-SIMPLE-2025-IM-FRESH-FV - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9100000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109190":[{"action":"AGRIP-SIMPLE-2025-TC-ORG-SUST - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}], "109183":[{"action":"AGRIP-SIMPLE-2025-TC-ASIA - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"16300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}]}]}
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Support for simple programmes targeting China (including Hong-Kong and Macao), Japan, South Korea, Taiwan, South-eastern Asia or Southern Asia

General Info

Topic ID : AGRIP-SIMPLE-2025-TC-ASIA

Summary : Support for simple programmes targeting China (including Hong-Kong and Macao), Japan, South Korea, Taiwan, South-eastern Asia or Southern Asia **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-TC-ASIA>

Description

Scope: The information and promotion programmes shall target one or more countries identified in the corresponding topic. The objectives of these programmes shall comply with the general and specific objectives set out and the aims listed in Articles 2 and 3, respectively, of Regulation (EU) No 1144/2014 highlighting in particular the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as the greenhouse gas emissions reduction and/or increase in carbon removals), and the characteristics of agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected ultimate impact is to enhance the competitiveness and consumption of Union agri-food products, raise their profile and increase their market share in these targeted countries.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions n/a
- 4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European agricultural methods and food products, and quality schemes

General Info

Topic ID : AGRIP-SIMPLE-2025-IM-CHARACTERISTICS

Summary : European agricultural methods and food products, and quality schemes **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-IM-CHARACTERISTICS>

Description

Scope: The objective is to highlight at least one of the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as greenhouse gas emissions reduction and/or increase in carbon removals), and the characteristics of agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected ultimate impact is to increase the awareness of the merits of Union agricultural products by the Union consumers and to enhance the competitiveness and consumption of Union agricultural products, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109185":[{"action":"AGRIP-SIMPLE-2025-IM-EU-QS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109184":[{"action":"AGRIP-SIMPLE-2025-IM-CHARACTERISTICS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109187":[{"action":"AGRIP-SIMPLE-2025-IM-SUSTAINABLE - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"6000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109186":[{"action":"AGRIP-SIMPLE-2025-IM-ORGANIC - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"1000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109189":[{"action":"AGRIP-SIMPLE-2025-TC-AMERICAS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109188":[{"action":"AGRIP-SIMPLE-2025-TC-OTHERS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"17300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109191":[{"action":"AGRIP-SIMPLE-2025-IM-FRESH-FV - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9100000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109190":[{"action":"AGRIP-SIMPLE-2025-TC-ORG-SUST - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109183":[{"action":"AGRIP-SIMPLE-2025-TC-ASIA - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"16300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}]}}

Union quality schemes

General Info

Topic ID : AGRIP-SIMPLE-2025-IM-EU-QS

Summary : Union quality schemes **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-IM-EU-QS>

Description

Scope: The objective is to increase the awareness and recognition of the Union quality schemes, namely: (a) quality schemes: protected designation of origin (PDO), protected geographical indication (PGI), traditional specialty guaranteed (TSG) and optional quality terms; (b) the logo for quality agricultural products specific to the outermost regions of the Union. Information and promotion programmes on Union quality schemes should be a key priority in the internal market since such schemes provide consumers with assurances on the quality and characteristics of the product or the production process used, achieve added value for the products concerned and enhance their market opportunities. One of the expected results is to increase the levels of recognition of the logo associated with the Union quality schemes by the Union consumers and increased knowledge of the information the quality schemes aim to provide. According to Special Eurobarometer 520, only 16 % of Europeans consumers recognize the logos of products that benefit from a protected designation of origin (PDO), 22 % recognise a protected geographical indication (PGI), and 16 % recognise a traditional

specialty guaranteed (TSG), these being the main Union quality schemes. The expected ultimate impact is to increase awareness of the Union quality scheme and to enhance the competitiveness and consumption of products registered under a Union quality scheme, raise their profile and increase their market share.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions n/a
- 4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109185":[{"action":"AGRIP-SIMPLE-2025-IM-EU-QS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109184":[{"action":"AGRIP-SIMPLE-2025-IM-CHARACTERISTICS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109187":[{"action":"AGRIP-SIMPLE-2025-IM-SUSTAINABLE - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"6000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109186":[{"action":"AGRIP-SIMPLE-2025-IM-ORGANIC - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"1000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109189":[{"action":"AGRIP-SIMPLE-2025-TC-AMERICAS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109188":[{"action":"AGRIP-SIMPLE-2025-TC-OTHERS - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"17300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109191":[{"action":"AGRIP-SIMPLE-2025-IM-FRESH-FV - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9100000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109190":[{"action":"AGRIP-SIMPLE-2025-TC-ORG-SUST - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"5000000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"109183":[{"action":"AGRIP-SIMPLE-2025-TC-ASIA - AGRIP-SIMPLE-PJG AGRIP SIMPLE Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"16300000"},"plannedOpeningDate":"2025-01-22","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}]}}

Union quality scheme on organic production method

General Info

Topic ID : AGRIP-SIMPLE-2025-IM-ORGANIC

Summary : Union quality scheme on organic production method **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-IM-ORGANIC>

Description

Scope: The objective is to increase the awareness and recognition of the Union quality scheme on organic production. Information and promotion programmes on the Union quality scheme on organic production method should be a key priority in the internal market since this scheme provides consumers with assurances on the sustainability, quality and characteristics of the product and the production process used and the environmental benefits they generate, thereby achieving added value for the products concerned and enhancing their market opportunities. One of the expected results is to further increase the levels of recognition of the EU organic logo by the Union consumers and increased knowledge of the information the organic logo aims to provide. According to Special Eurobarometer 520, 61 % of Union consumers recognize the EU logo of organic farming. The expected ultimate impact is to increase awareness of the Union quality scheme on organic production and to enhance the competitiveness and consumption of organic products, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
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Budget Overview

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Information and promotion in any third country/ies

General Info

Topic ID : AGRIP-MULTI-2025-TC-ALL

Summary : Information and promotion in any third country/ies **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-MULTI-2025-TC-ALL>

Description

Scope: The information and promotion programmes shall target one or several third countries. The objectives of these programmes shall comply with the general and specific objectives set out and the aims listed in Articles 2 and 3, respectively, of Regulation (EU) No 1144/2014 highlighting in particular the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as the greenhouse gas emissions reduction and/or increase in carbon removals), and the characteristics of agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected ultimate impact is to enhance the competitiveness and consumption of Union agri-food products, raise their profile and increase their market share in these targeted countries.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.

2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
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Budget Overview

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Union quality schemes OR merits of Union agricultural products

General Info

Topic ID : AGRIP-MULTI-2025-IM

Summary : Union quality schemes OR merits of Union agricultural products **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-MULTI-2025-IM>

Description

Scope:

- For information provision and promotion programmes aiming at increasing the awareness and recognition of Union quality schemes mentioned in Article 5(4), points (a) and (c) of Regulation (EU) No 1144/2014: The objective is to increase the awareness and recognition of the Union quality schemes, namely: (a) quality schemes: protected designation of origin (PDO), protected geographical indication (PGI), traditional speciality guaranteed (TSG) and optional quality terms; (b) the logo for quality agriculture products specific to the outermost regions of the Union. One of the expected results is to increase the levels of recognition of the logo associated with the Union quality schemes by the European consumers and increased knowledge of the information the quality schemes aim to provide. According to Special Eurobarometer 520, only 16% of Europeans consumers recognize the logos of products that benefit from a protected designation of origin (PDO), 22% recognise a protected geographical indication (PGI), and 16% recognise a traditional specialty guaranteed (TSG), these being the main Union quality schemes. The expected ultimate impact is to increase awareness of the Union quality scheme and to enhance the competitiveness and consumption of Union agri-food products registered under a Union quality scheme, raise their profile and increase their market share.
- For information provision and promotion programmes highlighting the specific features of agricultural methods in the Union and the characteristics of EU agri-food products and quality schemes mentioned in Article 5(4)(d) of Regulation (EU) No 1144/2014. The objective is to highlight at least one of the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as the greenhouse gas emissions reduction and/or increase in carbon removals) and the characteristics of agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected impact is to increase the awareness of the merits of Union agricultural products by the consumers and to enhance the competitiveness and consumption of the concerned Union agri-food products, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (AGRIP MULTI) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide Model Grant Agreements (MGA) AGRIP Multi-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support for simple programmes targeting other geographical areas

General Info

Topic ID : AGRIP-SIMPLE-2025-TC-OTHERS

Summary : Support for simple programmes targeting other geographical areas **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-TC-OTHERS>

Description

Scope: The information and promotion programmes shall target one or more countries identified in the corresponding topic. The objectives of these programmes shall comply with the general and specific objectives set out and the aims listed in Articles 2 and 3, respectively, of Regulation (EU) No 1144/2014 highlighting in particular the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as the greenhouse gas emissions reduction and/or increase in carbon removals), and the characteristics of agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected ultimate impact is to enhance the competitiveness and consumption of Union agri-food products, raise their profile and increase their market share in these targeted countries.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement

Budget Overview

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Support for simple programmes targeting Canada, USA or Mexico

General Info

Topic ID : AGRIP-SIMPLE-2025-TC-AMERICAS

Summary : Support for simple programmes targeting Canada, USA or Mexico **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-TC-AMERICAS>

Description

Scope: The information and promotion programmes shall target one or more countries identified in the corresponding topic. The objectives of these programmes shall comply with the general and specific objectives set out and the aims listed in Articles 2 and 3, respectively, of Regulation (EU) No 1144/2014 highlighting in particular the specific features of agricultural production methods in the Union, particularly in terms of food safety, traceability, authenticity, labelling, nutritional and health aspects, animal welfare, respect for the environment and sustainability (including climate benefits such as the greenhouse gas emissions reduction and/or increase in carbon removals), and the characteristics of

agricultural and food products, particularly in terms of their quality, taste, diversity or traditions. The expected ultimate impact is to enhance the competitiveness and consumption of Union agri-food products, raise their profile and increase their market share in these targeted countries.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Fresh fruit and vegetables in the internal market in the context of balanced and healthy dietary practices

General Info

Topic ID : AGRIP-MULTI-2025-IM-FRESH-FV

Summary : Fresh fruit and vegetables in the internal market in the context of balanced and healthy dietary practices
Status : Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-MULTI-2025-IM-FRESH-FV>

Description

Scope: The Commission is committed to promoting balanced and healthy dietary practices. Actions shall highlight the benefits of consuming fresh fruit and vegetables in a balanced diet. The messages could notably focus on aiming at having at least 5 portions of a variety of fruit and vegetables each day; knowing the place of fruit and vegetables in the food pyramid, and understanding the beneficial impact of fruit and vegetable consumption on health. The objective is to increase the consumption of Union fresh fruit and vegetables by informing consumers about balanced and healthy dietary practices. The expected ultimate impact is to enhance the competitiveness and consumption of the concerned Union agri-food products, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (AGRIP MULTI) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide Model Grant Agreements (MGA) AGRIP Multi-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP Implementing Regulation 2015/1831 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Union sustainable agriculture and animal welfare

General Info

Topic ID : AGRIP-SIMPLE-2025-IM-SUSTAINABLE

Summary : Union sustainable agriculture and animal welfare **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-22T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AGRIP-SIMPLE-2025-IM-SUSTAINABLE>

Description

Scope: The objective is to highlight the sustainability of Union agriculture, stressing its beneficial role for the climate, the environment and animal welfare. The production method(s) of the promoted product(s) shall cover at least two of the areas of actions listed in Article 31(4) of Regulation (EU) 2021/2115 while respecting the conditions laid down in paragraph 5 of that Article. The expected ultimate impact is to increase the awareness of the Union sustainable agriculture practices beneficial for the climate, the environment and animal welfare by the European consumers and to enhance the competitiveness and consumption of sustainably produced agri-food products in the Union, raise their profile and increase their market share.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Application form templates Standard application form (AGRIP SIMPLE) — the application form specific to this call is available in the Submission System Detailed budget table (AGRIP MULTI and SIMPLE) Information on representativeness (AGRIP MULTI and SIMPLE) Guidance AGRIP Programme guide BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Submission guide : BG CS DA DE EL ES ET FI FR HR HU IT LT LV MT NL PL PT RO SK SL SV Model Grant Agreements (MGA) AGRIP Mono-beneficiary Model Grant Agreement Additional documents: AGRIP Annual Work Programme AGRIP Regulation 1144/2014 AGRIP Delegated Regulation 2015/1829 AGRIP

Budget Overview

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Enhanced pilot environment

General Info

Topic ID : EDF-2025-DA-AIR-EPE

Summary : Enhanced pilot environment **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-AIR-EPE>

Description

Expected Impact: The outcome should contribute to: European platforms for enhanced combat pilot technologies tests and demonstrations to welcome joint or national tests and demonstration needs. Consolidation of a sector of excellence in the EU for enhanced combat pilot based on innovative technologies. Generation of inputs for the mid-term and long-term development of next generation air combat cockpit HMI. The development of novel cockpit HMI technologies. Increase mission capability, efficiency, effectiveness, and performance in air combat missions (e.g., safer for pilot and helping to limit the collateral damage) exploiting the emerging technologies. Provision of a potential starting point for

developing EU guidelines in the frame of advanced HMI design for managing systems-of-systems operations. Provision of an opportunity for cross-ministries of defence and cross-industries exchanges in the subject of cockpit design and pilot operating procedures. Strengthen EU industry in advanced air combat cockpit technologies independent of third countries. Quick wins identification to be implemented on current or upcoming systems. Objective: Future warfare is likely to be largely characterised by the networking of combat systems, including unmanned autonomous assets, and a high degree of automation of many systems. As a result, a large number of actors, sensors and effectors may be connected, generating an astonishing collection of information and data. The challenge is therefore to provide the pilot with the appropriate situational awareness, understanding of system modes and status, and the ability to act and react in a timely manner to ensure mission success. This requires the development of new equipment and associated software that can take advantage of new technologies such as wearables, optics, haptics, voice command, virtual operator assistants, augmented reality, and 3D holography. Based on appropriate implementation concepts, this would free crew members from repetitive tasks, allowing them to focus their resources on high-value areas of action, and also support in mission execution, thereby improving combat effectiveness. Specific objective From the point of view of the human-machine relationship, the new generation of military aircraft involved in this collaborative air combat is likely to require a new generation of human-machine relationship that allows ergonomic cooperation between the crew and the machine, effective and safe flight, as well as cooperation with other assets, including unmanned ones. The new technologies would make it possible to gain a tactical advantage by assisting the crew as a real teammate, responding to requests, suggesting tactics and procedures, and adapting interfaces to the pilots' and/or operators' status and needs. The definition of a novel design and interaction principles for managing automated and autonomous aircraft cooperating with System-of-Systems (SoS) teammates, including adaptive interfaces can be defined as Human-Machine Teaming (HMT). Taking into account the new paradigm of human-machine teaming in future collaborative and connected air warfare, this call topic aims to address the following areas: New or disruptive Human-Machine Interface (HMI) technologies, such as displays, wearables, vocal dialogue, augmented reality, stereoscopy. Pilot status monitoring in relation to the mission and systems status. Assisted decision-making support based on advanced techniques like Artificial Intelligence (AI) not excluding other approaches. Preliminary analyses show that, in order to meet these challenges, future European air combat systems must be equipped with an innovative cockpit offering the pilot groundbreaking display and interaction capabilities. In this context, it seems clear that new products (e.g., head-down, eyes-out, interface modalities, virtual assistant) have to be developed. Scope: With a view to contributing to the development of new generations of air combat and training aircraft and systems in the EU, including existing manned and unmanned air platforms, or to upgrading those currently in service, the proposals must: Mature the required cutting-edge technological and engineering solutions for future enhanced pilot environments, including cockpits, through evaluation and demonstration in representative operational scenarios. Produce common high-level "platform agnostic" specifications and guidelines for HMI design for future cockpit equipment. Specify and perform, where applicable, prototyping activities for cockpit equipment incorporating these matured solutions. Proposals must therefore address the following four areas: Adaptive human system collaboration to improve tactical situational awareness and enable ergonomic crew-machine cooperation for safe flight and high performance in cooperation with both manned and unmanned assets. Adaptive collaborative HMIs are required with a view to enhanced human-machine/human-human/machine-machine teaming for operations in a distributed environment with multi-platform assets. Novel design and interaction principles are also required for the management of automated/autonomous aircraft functions and collaboration with SoS teammates, including adaptive interfaces. Visualisation : both visualisation products and advanced pilot information presentation capabilities, including 3D presentation, and other novel presentations, through for instance but not limited to: Augmented reality, large area displays (free form, multi touch, auto-stereoscopy), 3D holography and implementation concept. Helmet Mounted Display (HMD) solutions which are crucial for the next generation cockpit. Crew monitoring system (CMS) to monitor in real time the physiological and cognitive states of the crew, through systems and techniques, enabling the adaptation of the HMI in a way to support and assist the aircrew in performing the flight and mission control in demanding operational environments. Interaction modalities to address both the modalities of interaction as well as their combination through innovative HMI technologies, such as but not limited to wearable, optics, haptics, vocal command, and virtual operator assistant. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (optional) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of

mandatory activities: Studies: In the area of adaptive human system collaboration: Explore and mature innovative HMI principles for cross platform mission management considering (human-machine/human-human/machine-machine teaming, not including the specific functional algorithms). Explore and mature adaptive HMI mechanisms (e.g., based on CMS outputs and in accordance with the specific operational context). In the area of visualisation: Explore and mature technological solutions for increasing technical characteristics in terms of presentation field and functional capabilities, such as but not limited to: Digital integrated night vision. Primary flight display function. Enhanced synthetic vision system (including live virtual constructive visual integration). Target designation and view through the cockpit. HMD wireless link, also considering the control of inertia characteristics (i.e., mass and centre of gravity of the HMD carried by the pilot's head). In the area of CMS: Explore and mature solutions for monitoring the physiological and cognitive states of the crew, for operational embedded systems as well as to training systems (embedded or on ground) from all relevant sources of information, through for instance but not limited to: Support for CMS sensors, Operator incapacity (e.g., G-LoC, hypoxia, spatial disorientation), Hypo-vigilance, including mind-wandering and surprise effect, Attentional tunnelling, including visual/auditory tunnelling, Mental workload and mental fatigue, Stress, including mind-blocking, Engagement level and ability to collaborate, Situational awareness. Validate mature CMS models, considering a Pilot Behavioural Knowledge Base (PBKB) that needs to be contextualised in accordance with the diversity of humans, missions, and tasks, including through AI- and Machine Learning (ML)-based techniques. In the area of interaction modalities: Explore and mature solutions for both the modalities of interaction as well as their combination, through: Sound, in terms of input/outputs: voice command, natural language processing, in a very constrained environment such as that of a fighter, voice synthesis and advanced audio functions such as 3D sound. Vision: eye-tracking that is used as a CMS sensor to be dedicated to interaction, coupled with another modality such as voice, with a view to increasing efficiency for target designation in an eyes-in or eyes-out use. Touch: study multi-touch (up to 5 fingers) technologies to interact with the displays. Gesture controls. Haptic/tactile display of information. Design: In the areas of adaptive human system collaboration, visualisation, CMS and interaction modalities: Perform demonstrations of the solutions developed with physical, digital mock-up and/or simulations that is relevant for future fighter cockpit environment, based on operational use-cases. Conduct an iterative implementation of findings to continuously optimise the performance of the demonstrations. Prototyping: Considering that prototyping is a mandatory activity, prototypes of the developed solutions must be built, where applicable, and providing a sufficient maturity is reached, in order to allow for a timely integration in other national or multinational development projects related to next generation aircraft. In addition, the proposals may: Refine operational use-cases where needed in the context of SoS architectures and identify and elaborate on structuring dimensioning elements. Evaluate and assess increased mission capability and impact on pilot/crew workload. The proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of air combat, notably those described in the call topic EDF-2021-AIR-D-EPE related to Enhanced pilot environment .

Functional requirements The proposals should fulfil the following requirements: (1) in order to support the future air collaborative combat: Take into account the new paradigm of HMT in the future collaborative and connected air warfare and adaptive cooperation between all systems, either manned or unmanned, involved in multi-assets operation. Ensure multi-modularity to provide greater security, resilience, and accuracy by removing ambiguity about the operators' intentions. Ensure flexibility and adaptability of the HMIs to meet the demands of future combat systems. (2) in order to improve human-machine performances: Human-machine performance should be evaluated according to different criteria to be defined in the proposals. Human factor aspects should be considered to develop the technologies, especially physical and cognitive ergonomics. Physical ergonomics should fit the air crew anthropometrics data to ensure that physical interfaces are adapted to any crew. HMI should allow: Strengthened and adaptive cooperation between all systems, either manned or unmanned, involved in an operation. Human supervised delegation of tasks to increasingly autonomous systems. Intelligent assistance to provide the crew with system proposals and to adapt interfaces. Piloting performance monitoring. (3) Specific technical requirements: The technologies should be scalable for existing fighters or future fighters in order to apply the "quick win" principle. Developed technologies, concepts, solutions guidelines, specifications should be platform agnostic. Each technological building and capability blocks should be evaluated and demonstrated through physical or digital mock-ups and simulations, based on representative use-cases. The treatments of data collection about humans to build models or algorithms must be compliant with the EU General Data Protection Regulation (GDPR).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b.

- Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Land collaborative combat including air-land

General Info

Topic ID : EDF-2025-DA-GROUND-LCC-STEP

Summary : Land collaborative combat including air-land **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-GROUND-LCC-STEP>

Description

Expected Impact: The outcome should contribute to: Enable agile, secure network- and data-centric operations that can rely on the distributed, timely facilitation of the joint military functions in the land domain among multinational combat systems (C5ISTAR) on all different levels of command and physical platforms throughout a mission coalition. Build a credible interoperable fighting force in terms of land combat capability, by introducing, in the shortest possible time, resilient, advanced solutions for collaborative combat within coalitions. Introduce new innovative collaborative combat technologies and capabilities that can be adapted to various manned or unmanned platforms. Provide a governmental EU agreed framework that industry can use to build state of the art and highly innovative systems dedicated to collaborative/federated land combat for emerging and future capability needs. Provide solutions that solve emerging/future capability needs of several EU Member States and EDF Associated Countries with maximum commonality and modularity. Increase strategic autonomy of EU concerning technologies and products. Objective: Given the evolution of threats on the battlefield (e.g., high intensity multi-domain warfare, technological dissemination, multiplication of unmanned aircraft systems), which make the environment ever more challenging, complex and contested, collaborative warfare is meant to gain and maintain superiority over the enemy thanks to combat systems and networking. In particular, the elaboration of shared tactical picture, as well as closely coordinated actions at tactical level (up to Corps level or multinational formation), should impose a fast operational tempo on the adversary and enable to understand, decide and act quicker than the enemy. The objectives of this call topic on Land Collaborative Combat (LCC) including air-land are: To bring existing collaborative functions to a higher level of maturity (TRL>7) and improve operational performance. To develop new collaborative capabilities, through additional studies, prototyping and demonstrations in the operational environment (TRL 7). These capabilities must encompass: Collaborative force protection including responsive actions. Collaborative Threat Evaluation and Weapon Assignment (TEWA). Collaborative engagement. Land-based engagement and firing in a multi-domain warfare. Additionally, these capabilities should encompass: Unmanned systems supervision and coordination including Manned-Unmanned Teaming (MUM-T). Joint Logistics including materiel, transport, and in-theatre tactical movements of forces. Dismounted soldiers. To enhance the connectivity and interaction of collaborating platforms from different nations hosting the required technical functions, especially by means of: Adaptive concurrent use of robust, hybrid communication systems, e.g. radios in conjunction with 5G and satellite (multipath) considering LPD/LPI. Collaborative dynamic service orchestration. Automated supervision throughout the global collaborative framework. Mission planning supported by Artificial Intelligence (AI) and Machine Learning (ML). Cybersecurity detection and prevention functions. Accurate positioning in a contested or denied environment. Field demonstrations should provide proof-of-concept based on relevant operational use cases / scenarios and on multiple relevant national and multinational platforms joining in the land collaborative combat framework, which would result in at least a validated system prototype. Specific objective Battlefield transparency is still insufficient due to high complexity warfare in a multi-domain environment with increased battle rhythm, deception, and electronic warfare measures. Deployments should happen mainly in NATO as well as in EU operations and missions and build upon a networking and service infrastructure compliant with Federated Mission Networking (FMN) spiral specifications. Some of them should need pooling and sharing capabilities. Native interoperability up to the enterprise level between all relevant platforms (e.g., command post, vehicular, dismounted) is thus an increasing operational need. New technologies such as Artificial Intelligence AI, edge computing, cloud-native architectures, and evolving technology-based manufacturing processes such as Dev(Sec)Ops, allowing for continuous integration and deployment (CI/CD) of IT services and Software Defined Defence (SDD) need to be adopted in the defence sector as key enablers to provide for improved decision and effect making at the relevance of speed. The distribution of commercially available storage and compute power, however, cannot but adapt to the available communication means to interconnect resources scattered throughout the combat arena and the power made available by the platforms (i.e., vehicles, and dismounted soldiers). This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: The proposals must address the development and demonstration of innovative multi-national collaborative land combat functional capabilities enhancing military land systems currently in use or under development in different EU Member States and EDF Associated Countries. The relevant collaborative scenario, in which the proposed solutions must perform and prove the suggested enhancements, should include all levels of operation from dismounted soldier up to command post. Here, secure

information sharing between every entity on the battlefield through a robust, flexible, and secure communication framework should be ensured. Furthermore, these solutions should cover the joint military functions in the land environment: C2, Intelligence, Manoeuvre, Fires, Information, Civil Military Cooperation (CIMIC), Sustainment and Force Protection. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes (mandatory) (h) Certification of a defence product, tangible or intangible component or technology Yes (mandatory) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (mandatory) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Develop key enabling technologies. Implement a coordinated approach concerning architecture frameworks for land collaborative combat. Analyse applicable standards as well as evolution of new proposals. Analyse current defence and industrial Test and Evaluation (T&E) capabilities in the EU related to the scope of this call and identification of those aspects whose development may represent a potential challenge for the EU in terms of T&E. Specify and realise incremental real-world key demonstrations including definition of operational scenarios consistent with the participating EU Member States' and EDF Associated Countries' needs and field demonstration. The proposals must substantiate synergies and complementarity with activities in the field of land collaborative combat, notably those described in the call topic EDF-2022-DA-GROUND-CGC on collaborative combat for ground combat , which aimed at a first common EU vision of land tactical collaborative combat in a coalition relevant environment (TRL 5 and 6). Functional requirements Functional requirements should range from basic information sharing via the combination of information through data fusion to collaborative decision support and finally allowing common action. Information sharing in order to build collective capabilities (and extend national resources while keeping full control on them): Map sharing: to benefit from a common and possibly extended digitised representation of the area of operation (with the same geographic characteristics: same typology, same grid references, etc.) seems to be a necessity for data exploitation to facilitate a common understanding of tactical situations: in 2 dimensions. in 2.5 dimensions. in 3 dimensions. Sharing of all relevant geospatial data and meteorological data to enhance situational awareness and help in mission planning. Collaborative situation awareness Collaborative blue force tracking : geolocalisation extended to multiple friendly platforms with aggregations to present the localisation of units of different sizes, as for instance: Collaborative tasking of sensor and exploitation assets. Mobility information (e.g., to allow coordination of manoeuvres). Information concerning specialised support chains (e.g., combat engineering, resupply, logistics, maintenance). Exchange of combat status of own and neighbouring units (e.g., operative readiness, energy). Information exchange with civil organisations possibly by using hybrid applications. These above-listed capabilities should encompass data filtering in order to send the adequate information to the adequate EU partners' elements on the battlefield. They should also take into account such collective capabilities in any Navigation Warfare (NavWar) environment, (e.g., Global Navigation Satellite System (GNSS), denied environment or contested electromagnetic spectrum). Data fusion (using more seamless data exchange, data fusion and possibly collective data processing) in order to share and improve a common situational awareness (and thus increase national resources) and allow coordinated manoeuvres: Enhanced collaborative blue force tracking: geolocalisation can be refined through data fusion (for instance, through triangulation between multiple observations or sensors). Collaborative environment modelling: refine and extend environment models through data fusion. This function could also include coordination to map the environment (observation can also apply more broadly to quickly explore a larger area with different platforms from several countries) or to define the best observation sectors for battlefield surveillance, potentially using remote sensors such as UAVs. Collaborative scene analysis (including for instance change analysis or detection of abnormal events). Tactical situation sharing (such as a Recognised Ground Picture (RGP)). Collaborative engagement. C2 coordination tools: Observe, Orient, Decide, Act (OODA) loops can be coordinated to achieve collaborative manoeuvres within the coalition and, if it is enhanced by AI, to help plan itineraries and analyse the situation. Recognised intelligence picture Sharing information related to the target and disseminate the battle damage assessment. Collaborative observation / intelligence, surveillance and reconnaissance (ISR) (sharing of pictures, videos, plots/tracks) at the tactical level (brigade and lower). Sharing enemy observations, including detection, recognition, identification, location and tracking. Collaborative detection – reconnaissance – identification – localisation and tracking: refine enemy force understanding through data fusion. Enemy tactical picture: to be refined through automated data fusion. Technical solutions should be based on: A common set of meta data that can be utilised for a data-centric approach for both information and physical entities (Standard Bill of Material (SBOM) and user identities) to provide for system-wide data-centric interoperability and security, information exchange gateways. An agile architecture for various levels of integration of multinational forces within combined network-enabled, data-centric operations including an

efficient (e.g., seamless, flexible, cyber resilient) communication infrastructure combined with a unified battle management system to be progressively integrated into a framework of a secured combat cloud. AI as integrated support and situational awareness service distributed across the various land platforms with collaborative access to various data resources. Measures for identifying, validating and creating valid training data in order to reassure the augmenting effect of AI support of functional services. Scalable architecture to adapt to the several missions and working levels. A system able to control the electromagnetic and data signature of the unit. Standard interfaces to guarantee the interoperability with the existing and new platforms. A robust and open on-board platform network. Automated data fusion (e.g., image processing, sensor fusion, multi-criteria optimisation, meta data management, simultaneous multi sensor usage) and Human-Machine Interface (HMI). Modern and innovative HMI Supporting the representation, evaluation and handling of data coming from various kinds of sensors (e.g., optronics, warning systems, navigation sensors) and going to various kinds of effectors. Augmenting user interactions by means of intelligent speech recognition and processing. Standards Standardisation should be considered as an integral part of the management function of the solution. It is recommended to use EDSTAR platform to facilitate the development of the solution with “Best-Practice” Standards selected for interoperability, capability development and procurement of defence activities. The specific solution should consider the various EDSTAR technical domains: ammunitions technologies, Information technologies, Armoured Land vehicle technologies, camouflage, system architecture, painting and coatings, CBRN defence, and military clothes. Furthermore, if standardisation gaps are identified during the implementation of the solution, the development of new standards should be proposed to the appropriate standard developing organisations (NATO, CEN, CENELEC, ETSI, OASIS, other multilateral standards developing organisations). Additionally, the LCC system should be compatible with all other systems meeting the current FMN spiral specification implementation (NATO ADatP-34 NISP). Additional enabling standards should be included, like: NATO STANAG 4754 Generic Vehicle Architecture (NGVA) and associated Allied Engineering Publications, European Secure Software defined Radio (ESSOR) coalition waveforms for software defined radios. NATO STANAG 4822 Land DAS Architectures for sharing of sensor data within and among platforms architecture for sensor systems. The proposal should implement coalition services identified for land collaborative combat in a sustainable fashion ensuring agile implementation updates/upgrades as these service descriptions evolve. Mandatory legal / ethical considerations: Relevant national regulations regarding the sharing of information/software and algorithms. Furthermore, it is necessary to keep in consideration the ethical implication concerning the employment of, inter alia, AI and Robotics and Autonomous Systems (RAS), and legislation used for military application. Collaborative actions should include: Handover of ISR robotic assets, including semi-autonomous coordination of multi-national UxV for information collection purpose. Integration of the most mature functions into target platforms (e.g., vehicles or UxV associated with specific battlefield management systems and radios), which would be defined by the participant EU Member States and EDF Associated Countries (pMS). Study of new functions dedicated to new use cases for common collaborative action beyond information sharing and observation (e.g., collaborative fires, engagement, and protection). Proposed solutions should ensure: Automated management of joint Unmanned Air Vehicles (UAVs) and Unmanned Ground Vehicles (UGVs) introducing adequate AI support to all stages of combat. Those unmanned vehicles should contribute to a Common Operational Picture (COP). Collaborative observation and protection, TEWA introducing adequate AI support. Use of Speech recognition and C2 by voice implementing Large Language Model (LMM). Interoperability cyber capabilities embedded in all platforms throughout the land collaborative combat framework (e.g., command post, vehicle, dismounted soldier) implementing for instance, ICAM, Smart probes. Safety in all systems, taking into account co-hosted critical and non-critical capacities and needs of autonomous platforms. Availability of Time Deterministic Hardware and Software for real-time collaborative capabilities. Interoperability with cloud-based open virtual platforms and with the latest NATO and FMN approaches. In fact, for some operations, with the development in the other subgroups (air, maritime, multi-domain), it is expected to develop some joint capabilities for specific use-cases and interoperability with joint C2 Systems for collaborative warfare .

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to

this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109233":[{"action":"EDF-2025-DA-SPACE-SBISR - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"66000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109235":[{"action":"EDF-2025-DA-AIR-EPE - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"54000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109234":[{"action":"EDF-2025-DA-SENS-MB4DR-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"29500000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109237":[{"action":"EDF-2025-DA-PROTMOB-SS - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"35000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109236":[{"action":"EDF-2025-DA-GROUND-LCC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"44000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109239":[{"action":"EDF-2025-DA-SENS-IRD-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"29000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109238":[{"action":"EDF-2025-DA-GROUND-FM2LP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"79000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109241":[{"action":"EDF-2025-DA-UWW-AUWN-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"25000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109240":[{"action":"EDF-2025-DA-ENERENV-APEM - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"49000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109243":[{"action":"EDF-2025-DA-NAVAL-DSNCC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"54000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109242":[{"action":"EDF-2025-DA-AIR-CAC - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"49000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109244":[{"action":"EDF-2025-DA-CYBER-CDOC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}]}]}

Improved cyber defence operations capabilities

General Info

Topic ID : EDF-2025-DA-CYBER-CDOC-STEP

Summary : Improved cyber defence operations capabilities **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-CYBER-CDOC-STEP>

Description

Expected Impact: The outcomes should contribute to: The improvement of the efficiency and adaptability for distributed action in the context of military operations in the cyberspace domain. An easier incorporation of new technologies and collaborative tactics, techniques, and procedures to EU cyberspace operations. The improvement of the implementation of operational strategy by strengthening the decomposition of cyber forces for tasks and battlespace domains. A stronger, more competitive, and technologically independent European Defence Technological and Industrial Base (EDTIB) when it comes to solutions for cyber defence capabilities, cyberspace operations and Cyber Situational Awareness. Improve the interoperability and future capabilities of EU Member States and EDF Associated Countries forces in the area of cyber defence for conducting cyberspace operations. Promote cooperative efforts in this area leveraging the implementation of EU Policy on Cyber Defence (EPCD). Enhance the resilience of EU cyberspace, mitigate known risks, and protect mission networks from cyber threats. **Objective:** The dynamic and effective integration of cyberspace into military operational domains presents an intricate and urgent matter for the EU Member States and EDF Associated Countries defence community, which requires new strategies, concepts, architectures, processes and capabilities to enable a complete integration at conducting military operations. In EU Member States and EDF Associated Countries military doctrines, cyberspace is conceptualised as a dynamically distributed and interconnected domain, where operations unfold in an intangible and rapidly evolving landscape. This domain fosters distributed decision-making, where actions taken within interconnected networks have cross-domain impacts, which can be seen as a challenge for decision-makers, but also as an opportunity to explore distributed decision-centric warfare possibilities. **Specific objective** The specific objective of this call topic is to develop state-of-the-art, effective, and reliable solutions that operate and, where possible, automate larger parts of EU Member States and EDF Associated Countries military cyberspace operations in a distributed manner, including the synchronisation of kinetic and cyber exercises across domains that present multiple dilemmas to adversaries. Proposals should demonstrate the capacity to develop such a capability aligned with the needs for military cyberspace operations. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. **Scope:** This topic aims at consolidating existing National and EU initiatives and projects to address cyberspace challenges and assist cyberspace integration in military operations in a mosaic and/or distributed approach, where emerging technological enablers like artificial intelligence, distributed sensor networks, cloud computing, data fusion or simulation for serious wargaming are expected to play a major role. The proposals must cover the following areas: **Cyber Force Multiplication:** leveraging on automation and distribution to significantly enhance the overall effectiveness and impact of cyber operations. This involves using cyber tools, Tactics, Techniques and Procedures (TTPs), and resources to augment traditional military capabilities, such as Intelligence, Surveillance and Reconnaissance (ISR), C2, defensive operations, etc. **Cyber Command Augmentation:** transference and coordination of decision-making power between decentralised units, nodes, actuators and/or cyber operators. This decentralisation of command allows for quicker response times, more agile decision-making, and the ability to adapt to rapidly evolving threats in cyberspace. It enables units and operators to autonomously assess the situation, identify targets, and take appropriate courses of action. **Self-Adaptive protection:** autonomous and dynamic protection of own assets and mission progress against cyber threats and attacks. A self-adaptive protection system can detect anomalies, identify malicious activities, and automatically adjust defence mechanisms to mitigate or neutralise cyber incidents and threats as the operational conditions evolve. In the context of mission assurance, decisions on changes for reactively or proactively respond should be facilitated. This enables self-protection and self-healing at both technical but also mission level. **Types of activities** The following types of activities are eligible for this topic: **Types of activities (art 10(3) EDF Regulation)** **Eligible (a)** Activities that aim to create, underpin and improve knowledge, products and technologies, including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) **No (b)** Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) **Yes (mandatory)** **(c)** Studies, such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions **Yes (mandatory)** **(d)** Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment **Yes (mandatory)** **(e)** System prototyping of a defence product, tangible or intangible component or technology (prototype) **Yes (mandatory)** **(f)** Testing of a defence product, tangible or intangible component or technology **Yes (optional)** **(g)** Qualification of a defence product, tangible or intangible component or technology **Yes (optional)** **(h)** Certification of a defence product, tangible or intangible component or technology **Yes (optional)** **(i)** Development of technologies or assets increasing efficiency across the life cycle of defence products and

technologies Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Studies and Design: Of a solution capable of identify mission-centric opportunities for cyberspace operations in cyber force distribution and reduction of human intervention, assistance for mission planning and execution. To accommodate the solution to existing and/or ongoing military systems, enable the exchange of information between the involved actors, ensure interoperability and support the life-cycle management for resulting capabilities. System Prototyping: Prototyping of the design solutions. The prototyping tasks must include the involvement of stakeholders from relevant EU Member States and EDF Associated countries. The following tasks should be performed as part of the optional activities: Testing Of complementary large-scale demonstrators supported by national and EU end-users on tactical, operational, and strategical use-cases. The duration of proposal implementation should not exceed 24 months. Proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities at national, multinational, or EU level, notably those described in the call topics EDIDP-CSAMN-SSC-2019 on Software suite enabling real-time cyber defence situational awareness for military decision-making , EDF-2022-DA-C4ISR-EC2 on European command and control system , EDF-2021-CYBER-R-CDAI on Improving cyber defence and incident management with Artificial Intelligence and EDF-2023-DA-CYBER-CSA on Cyber situational awareness . In addition, interfaces with existing and under development EU, NATO and national systems should be substantiated to ensure future interoperability. Functional requirements The proposals should meet the following functional requirements: Orchestration and synchronisation of distributed cyber actions in the context of military cyberspace operations. This includes coordination of cyber combat operations, incident response workflows, and playbooks for assisting full-spectrum operations. Decentralised battlespace management, considering areas of operations, responsibility, interest etc, for each of the distributed actors when planning and executing actions. Mechanisms for tracking and, when possible, monitoring cyber activities and actions performed by the distributed cyber force. The solution must consider audit trails and logs to ensure accountability and traceability, as well as compliance with legal and regulatory requirements. Development of mission-centric and shared cyber situational awareness between the distributed cyber force at planning and execution of cyber missions. Cyber defence function disaggregation, which should allow functional separation into independent components so they can be distributed between actors. Analysis and Assessment of multiple action patches for cyberspace operations. Proposals may consider simulation and modelling capabilities to assess feasibility and explore opportunities. Transparent and explainable AI algorithms to provide commanders with insight into the decision-making process, ensuring human oversight. Management of human intervention and chain of command. Proposal should be flexible to adapt and customise solution configurations based on mission requirements. Developments should cover scenarios at all war levels (i.e., strategic, operational, tactical, and technical), but the focus must be on tactical and operational level.

Conditions

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Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109233":[{"action":"EDF-2025-DA-SPACE-SBISR - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"66000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109235":[{"action":"EDF-2025-DA-AIR-EPE - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"54000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109234":[{"action":"EDF-2025-DA-SENS-MB4DR-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"29500000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109237":[{"action":"EDF-2025-DA-PROTMOB-SS - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"35000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109236":[{"action":"EDF-2025-DA-GROUND-LCC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"44000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109239":[{"action":"EDF-2025-DA-SENS-IRD-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"29000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109238":[{"action":"EDF-2025-DA-GROUND-FM2LP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"79000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109241":[{"action":"EDF-2025-DA-UWW-AUWN-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"25000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109240":[{"action":"EDF-2025-DA-ENERENV-APEM - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"49000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109243":[{"action":"EDF-2025-DA-NAVAL-DSNCC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"54000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109242":[{"action":"EDF-2025-DA-AIR-CAC - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"49000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}],"109244":[{"action":"EDF-2025-DA-CYBER-CDOC-STEP - EDF-DA EDF Development Actions","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-02-18","deadlineModel":"single-stage","deadlineDates":["2025-10-16"]}]}]}

Collaborative air combat

General Info

Topic ID : EDF-2025-DA-AIR-CAC
Summary : Collaborative air combat **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-AIR-CAC>

Description

Expected Impact: The outcome should contribute to: Shared consolidated EU perspective for Air collaborative warfare. Common EU standards for collaborative air combat for EU Member States and EDF Associated Countries that are interoperable with NATO standards. Participate to structure and develop an EU ecosystem to support AI technology sovereignty for military usages. Incremental increase of the interoperability of warfare systems so that the EU Member

States' and EDF Associated Countries' armed forces would be able to operate collectively and efficiently. Better use of resources (single and multiple domains and assets). Quick wins identification to be implemented on current or future systems (e.g., ability to associate different generations of assets, dissemination of conception guidance for long-term development of future EU air combat system). Quick wins approach would also enable cross-border SMEs to participate in this topic. Harmonisation of EU industrial processes and methods for the development of assets or equipment contributing to air combat collaborative capabilities. Objective: Today's EU Member States' and EDF Associated Countries' air forces are built on a wide variety of heterogeneous systems. This diversity poses the challenge of interoperability at functional, software and hardware levels. With the plausible introduction of unmanned systems into air combat, future interoperability require much deeper networking, which could be provided by a new generation of tactical data links. The overall objective is to jointly develop an EU perspective to enable EU Member States and EDF Associated Countries to harmonise, standardise and share processes and tools to efficiently operate, in the medium to long term, joint air combat capabilities combining future air combat systems, manned or unmanned platforms, legacy platforms and their evolution, including sensors and effectors. Specific objective In order to adapt to new tactics, concepts and collaboration standards, as well as new design rules applicable to the evolution of legacy systems evolution and future systems, the mission systems should be flexible and scalable. This requires the development of key technologies and capability building blocks for collaborative air combat, such as but not limited to: A service-oriented architecture that allows all nations to operate together through common standard and functional interfaces, without having to use the same equipment or assets, would contribute to the modernisation of the various EU Member States' and EDF Associated Countries' military fleets. Interoperability standards for Information Technology (IT) systems (e.g., communication, dissemination, service sharing, cyber security), including a common data format reference, that enable joint combat and provide a common entry point and common processes for proprietary systems. Scalable edge computing with huge amounts of processing power and storage capacity on board new generation assets (manned or unmanned) to implement and enhance several mission management functions. Tightly integrated operation of manned and unmanned assets (through collaborative mission management) or intelligent processing of heterogeneous sensor data (e.g., radar, optronics and electronic warfare) across heterogeneous assets could therefore be enabled, improving the overall operational performance of each asset and its perception of the rapidly evolving tactical environment. Dedicated Artificial Intelligence (AI) technologies in a variety of technical and operational domains, such as but not limited to flight certification and airworthiness standardisation issues, or the identification, selection and use of prototypical AI toolkits, libraries, methods (e.g., machine learning, neural networks, ...), in order to ensure a trustworthy command and control of manned and unmanned systems from the perspective of an airborne combat asset, as well as the correct handling and exploitation of the wealth of information generated by distributed sensors across collaborating assets. Existing and future open standards (e.g., ECOA, IMA) need to be addressed. Regarding software, these open standards need to be addressed to meet the challenge of harmonising the software footprint of all types of equipment and systems operating in the airpower framework. Scope: Proposals must investigate solutions for standardised collaborative air combat, supported by demonstrations, where appropriate, for application to challenging air combat scenarios in contested and highly contested environments. Based on commonly agreed standards and requirements of the EU Member States and EDF Associated Countries, proposals must initially aim at medium-term results to be implemented as standardised collaborative mission management to positively influence the development of the next generation of EU air combat capabilities. Proposals must consider manned and unmanned combat platform assets to be operated by the EU Member States and EDF Associated Countries, and related concepts, as part of next generation systems for air combat operations through an incremental interoperability approach. Proposals must take into account the foreseeable evolution of mission systems, aiming at standardised functional and physical interfaces of effectors and consolidating at EU level common and harmonised processes for the operation of relevant AI technologies, with a view to ensuring EU autonomy on AI engineering tools and libraries. In addition, to ensure compliance with NATO and other possible coalition situations, proposals must also address interoperability with systems of non-EU origin and NATO standards, allowing for extended interaction between combat aircraft and a variety of collaborative assets used in all other operational domains that contribute to air combat operations. Proposals may consider potential implementations on existing platforms if a major upgrade is foreseen. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (optional) (f) Testing of a defence product, tangible or intangible component or technology Yes (optional) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of mandatory

activities: Studies: Analysis of the latest evolution of existing and emerging standards applicable to air combat, including NATO ones, and results of relevant ongoing projects and future combat programmes. Design: Standardisation recommendations concerning the processes and methods for the development, validation, and qualification of AI-based components, both safety and non-safety critical: Usage prototyping of AI toolkits, libraries, methods enabling an independent and sovereign use of these technologies by the EU for military purpose. Develop EU sovereign tools and libraries for the illustration of the standardisation of the process for the development, validation and qualification of AI based components and functions. Further develop and-or supplement existing standards and define in details, where necessary, new standards, support and promote them, addressing them with the standardisation bodies, within the following perimeters: In order to support collaborative mission management and sensors collaboration between heterogeneous assets: Functional and technical architecture design. Functional service-oriented interface design. Design of service-oriented architectures and functional service-oriented interfaces for mission system. Design of services-oriented sensors interfaces. In order to enable interoperability, secure exchange of resources/information and data sharing with other assets in various coalition situations (e.g., NATO, EU and non-EU, national context) while offering a better evolutivity and greater interchangeability (software and hardware): Design of communications architecture (including cyber issues). Design of functional interfaces of the different layers of communication architecture (Core Services and Communications Services according to C3 Taxonomy). Design of validation methods and associated means (e.g., functional simulators). In order to improve interoperability and development efforts of effectors: Design of functional and physical interfaces of future effectors (i.e., remote carriers and weapons). Further develop required standards and protocols for effector integration (e.g., Logical Store Integration Framework (LSIF)). In order to improve mission system scalability and the associated development efforts (easier and faster Aerial Mission Systems development and upgrade): Design of a tool for Software development. Develop architecture principles and standardisation of hardware interfaces for mission systems. Demonstrate the application of a set of proposals of standards: Development of implementation references of some parts of a set of proposals of standards (functional interfaces). Definition and demonstration of an Integration and Validation approach including, but not limited to, early and continuous integration and validation, using the developed implementation references. The proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of air combat, notably those described in the call topic EDF-2021-AIR-D-CAC related to Collaborative air combat . Functional requirements The proposed product and technologies should meet the following functional requirements: Ensure the interoperability of heterogeneous air systems (from existing to next generation systems, manned and unmanned), including when in coalition situations with EU Member States' and EDF Associated Countries' forces and NATO forces. Be applicable for the design of mission system for next generation combat assets (e.g., next generation fighter aircraft systems, unmanned combat systems) and the upgrades of legacy air combat systems.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Digital Ship and Naval Combat Cloud

General Info

Topic ID : EDF-2025-DA-NAVAL-DSNCC-STEP
Summary : Digital Ship and Naval Combat Cloud **Status :** Open
Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-NAVAL-DSNCC-STEP>

Description

Expected Impact: The outcome should contribute to: Accelerate the battle rhythm of naval operations based on real time exchange of data and synchronised collaboration between naval assets. Optimise data communication requirements (e.g., protocol, bandwidth, latency, throughput). The commonality of EU Member States’ and EDF Associated Countries’ naval systems by proposing a common digital ship architecture, a comprehensive portfolio of related standards, services and

products, and a naval combat cloud environment. Increase interoperability and interchangeability among EU Member States' and EDF Associated Countries' naval industries and EU Member States and EDF Associated Countries. Reduce the costs linked to the development of future systems, their upgrade, looking for continuous/regular capability updates, and their in-service support throughout their life cycle. Strengthen the European naval capability landscape and promote EU's strategic autonomy in the naval sector

Objective: It is difficult for the armed forces to keep pace with the speed of the development of digital technologies on the civilian market. However, the rapid integration of more powerful devices and applications into naval units is key to provide naval forces with the capabilities needed to successfully conduct their missions. The adoption of a common ship digital architecture for naval units allows the operation of different systems of the ship (SOTS), either on-board or off-board, and is key to provide the required flexibility to quickly incorporate new SOTS or improvements or upgrade key functions where needed and thus should alleviate the aforementioned problem. This also aims to maximise the interoperability between SOTS and the integration of collaborative capabilities. This approach should improve: The speed in the observe–orient–decide–act (OODA) loop, mission performance, and operational readiness while training on real data. Level of anticipation by predictive/prescriptive capabilities for operations. SOTS availability and reliability, including safety and ship survivability and resilience. Training, automation, and in-service support. The cost associated to the whole life cycle of the ship.

Specific objective The specific objective is: To design, prototype and test a digital platform as an EU-based infrastructure framework (i.e., digital platform) for the integration and common operation of the SOTS. To launch the initial design of a multidomain naval combat cloud which could cover the gap between the cloud at naval platform level and the global and joint inter-services combat cloud. The multidomain naval combat cloud should combine and federate services provided by or distributed in different naval units, to allow for an effective and efficient collaboration between the different platforms and assets involved in a naval combat scenario, including surface, sub-surface, and air assets. The possibility to work in cooperation should increase and extend the operational capabilities of the platforms. The proposal should consider the use of Model-Based Systems Engineering (MBSE) as a key enabler of a common and overarching engineering environment tool. Such a design approach should provide a realistic testing environment for the continuous integration of evolving digital technologies (e.g., processing, data storage capacities, fog-/edge-computing, Internet of Things (IoT)) to ensure the openness and scalability of the digital architecture. The proposal should specifically address cybersecurity aspects. It should consider new trends in cybersecurity such as the Data Centric/Dynamic Zero-Trust Security, or any other evolution in cyber warfare that may be applicable during the execution. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies.

Scope: This topic aims to: Define the set of common services required to support to the SOTS. Design in detail the ship digital architecture to provide the main services (e.g., operational environment, connectivity, data and models management) for the functional integration of SOTS. Identify the required standards (including hardening standards) so the SOTS can be integrated seamlessly. Build a prototype for functional integration of SOTS and functional performance of a EU based naval combat cloud. Test that prototype, including various systems of the ship as representatives use cases to utilise the infrastructure as the supporting operational environment. Initiate the design of an EU based multidomain naval combat cloud.

Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation)

Eligible (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge)

No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge)

Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions

Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment

Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology (prototype)

Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology

Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology

Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology

Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies

Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities:

Studies Identify and analyse the systems implemented across the EU navies to be integrated in the digital platform. Analyse the standards required to put in place the digital platform. Define the Key Performance Indicators (KPI) to measure the efficiency of the digital platform in providing services to the supported SOTS. Establish the building blocks for a multidomain naval combat cloud. Review the state-of-art as regards the digital platform and system digitalisation. Review the Concept of Operations (CONOPS) of the digital ship under the direction of the participating Navies.

Design Design in detail the system architecture. Initiate the design of a multidomain naval combat cloud.

System prototyping Produce a prototype of the digital platform while implementing the digital architecture compatible with the multidomain naval combat cloud functionalities.

Testing Perform extensive testing on the prototype to validate the proposed solution and extract conclusions for a future system implementation. The above-mentioned studies, design, prototyping, and testing activities related to cloud based digital platforms must only be based on cloud service providers both established in the EU Member States or EDF Associated Countries and owned and controlled by EU Member States or EDF Associated Countries or entities. The proposals should substantiate synergies and avoid unnecessary duplication with

foreseen, ongoing or completed activities under EDIDP and EDF, in particular but not limited to those related to the topics EDF-2021-NAVAL-R-DSSDA (Digital ship and ship digital architecture), EDF-2021-NAVAL-R-SSHM (Ship Structural Health Monitoring), EDF-2021-DIGIT-D-MDOC (Military Multidomain Operations Cloud), EDF-2022-DA-NAVAL-NCS (Naval Collaborative Surveillance) and EDF-2024-DA-NAVAL-FNP (Functional smart system-of-systems under an integral survivability approach for future naval platforms). Functional requirements The digital architecture solutions should comply with the following functional objectives by design: Resilience: to identify architectural principles against undesirable events (e.g., combat damages resulting in decreased capabilities, loss of electrical power and chilled water supply, cyber-attack) that allow continual use of core functions or fast recovery in degraded mode. Security: to define and select common architectural principles, policies and interoperability components that maximise security against cyber and physical threats. Sustainability: to facilitate both the ability to maintain the operational availability of the architecture at reasonable costs (e.g., maintainability, obsolescence management) as well as the optimisation of resource-usage (e.g., lean architecture, energy optimisation). Furthermore, the architecture should facilitate the ability to evolve and integrate future technologies and architectural patterns as a key aspect of sustainability. Interoperability: to ensure interoperability/compatibility with other potentially cloud-based infrastructures in place (e.g., maritime as well as multidomain). The digital platform implementing the digital architecture should additionally fulfil the following requirements: Follow an MBSE approach for the analysis, design, production, and testing. Provide a modular, interoperable, scalable, and flexible architecture that should be adaptable to the requirements of the end-users. Include several systems functionalities representative of the main SOTS, such as the Combat System, Platform Control System, Navigation and Bridge System, Communication System, Cyber-systems, or Digital Twin, among others. Allow the integration of new SOTS. Provide the services required by the SOTS including their potential requirements. Provide timely response to the services requested by the SOTS. Integrate the SOTS by using the adopted, hardened and/or developed standards. Consider the operational situation to optimise the performance of the ship. Consider how to apply trustworthy and efficient Artificial Intelligence (AI) and Big Data techniques to the monitoring and detection of vulnerabilities. Be based on a cloud service provider based, owned and controlled in the EU or associated country. The multidomain naval combat cloud should additionally fulfil the following requirements: Apply and merge domains involved in the naval combat to achieve a highly integrated network for communication, data capitalisation and resources sharing services. Combine real-time data and non-real-time data networks and synchronise information. Consider the application of big data analysis and its impact on cloud resources (e.g., computing power, storage) in the architecture options. Consider the development of custom trustworthy and efficient AI solutions to analyse information. Define the requirements for communication networks for data and control exchange within the naval scenario's connectivity particularities. Provide a modular and scalable concept. Consider a decentralised approach with distributed computing power and allow for autarkic operations of single assets to ensure the continuity of operations in case of communication disconnections or interruptions. Allow to shift operations between different nodes in the cloud to make full usage of the available resources. Enable the prioritisation of the tasks according to military hierarchical levels. Guarantee protection of classified data. Optimise defensive and offensive courses of action by analysing the effects delivered by both kinetic and non-kinetic (e.g., cyber) effectors, while minimising associated collateral damages. Consider the development of custom trustworthy and efficient AI solutions to analyse information and support decision making. Be based on a cloud service provider based, owned and controlled in the EU or associated country.

Conditions

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1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI)

Budget Overview

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Aircraft propulsion and energy management systems

General Info

Topic ID : EDF-2025-DA-ENERENV-APEM
Summary : Aircraft propulsion and energy management systems **Status** : Open
Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-ENERENV-APEM>

Description

Expected Impact: The outcome should contribute to: Facilitate the introduction of new aerial propulsion and energy integrated systems technologies through a reduction of their evaluation time and cost. Develop EU autonomous industrial sector and enhance cross border collaboration (from large industrial group to SME). Contribute to EU technological sovereignty and strategic autonomy. Contribute to improve EU air power and to guarantee EU aerial superiority.

Objective: The objective of this call topic is to develop and mature a new suite of advanced technologies for propulsion, power and thermal management system for fighter aircraft that can be applied in a modular and flexible manner to different sizes and types of systems, operating within a System-of-Systems (SoS) configuration that should include various interconnected elements, including manned and unmanned systems, swarms of drones and auxiliary platforms. In recent years, military conflicts have become increasingly complex, even more characterised by high degree of unpredictability and uncertainty. New dynamics, like brand-new and/or mature technological development and revised military doctrines, are shaping the future of warfare, thus requiring the EU Member States' and EDF Associated Countries' armed forces to prove their agility and constant adaptation to an evolving military landscape. To effectively tackle these challenges, the concept of SoS seems to represent a viable option able to satisfy a growing need for flexibility, by integrating various elements in a multidomain environment. In this framework, definition and role of the 6th generation of fighter aircraft are expected to change accordingly. The aircraft should move from a platform-oriented design capable to perform missions within a single domain to a SoS configuration to incorporate various interconnected elements, including a system of Manned and unmanned Teaming (MuM-T) such as Unmanned Collaborative Combat Aircraft (UCCA), swarm of drones and adjunct platforms, able to operate across the five domains (air, land, sea, space and cyber). By leveraging the collective capabilities of these interconnected components, military forces can enhance their operational effectiveness in different and diverse military scenarios. As military/warfare scenarios continue to evolve, the need for adaptable and multidomain systems becomes increasingly critical. Challenges of enhanced stealth capability, range and electronic warfare are even more compelling needs – in addition to flexibility and life cycle cost – the development of these advanced propulsion systems must be approached collaboratively, ensuring seamless integration within the SoS configuration/elements such as UCCA.

Specific objective In order to develop and mature a new suite of advanced technologies for propulsion, power and thermal management system for the aircraft fighter must be developed in a modular and flexible manner to different sizes and types of systems, taking into account the following points, but not limited to: Understanding of the full potential of the new aircraft fighter configuration with advanced propulsion technologies and making sure that the EU technologies for propulsion and energy systems are going hand in hand with the new mission requirements and operational needs. Development of innovative solutions and enabling technologies for both the propulsion system and other interconnected components within the SoS configuration is necessary for an efficient and integrated energy generation and management system for future military aircraft applications. Increased energy efficiency and effectiveness compared to the systems that are used today.

Scope: Proposals must provide a validated suite of advanced technologies for propulsion and energy systems that can be applied within a SoS configuration and perform a set of studies to explore challenges for the effective integration of these technologies into different size and concepts of platforms, with a particular focus on UCCA. Proposals must show ways to greatly improve energy and thermal efficiency to accommodate the rising need of non-propulsive energy demands and therefore also show possibilities for improving the ecological footprint. In addition, proposals may address the jointly development and evaluation of technologies on a test vehicle on ground or in flight which could be developed or adapted from an existing one within in the frame of this work. This vehicle would also be an opportunity for joint technology development activities in Europe to enhance cross border collaboration between large industrial groups, SME and academia.

Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (optional)

Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Studies: Perform a set of system studies to explore the major integration effectiveness of power and propulsion technologies into different size and concepts of airborne platforms, with a particular focus on UCCA. In this framework, the following studies must be performed: Platforms requirements trade-offs, including mission types, lifecycle costs, maintainability. Propulsion and energy systems sizing and trade-offs, including multiple engine architectures and on-board systems to meet airborne platforms requirements. Engine integration studies, including sizing of thrust, power extraction and heat dissipation across the whole flight envelope, energy balance, wasted energy. Study of an improved

and secured electronic engine control and monitoring system covering e.g., smart sensors, cyber security. Furthermore, these studies should provide analyses, tools and methods concerning: Parametric lifecycle costs modelling. Evaluation of integration into aircraft of propulsion and energy management solutions. Smart manufacturing; including improved development process duration. Critical sensors. Test environment and instrumentation for evaluation of next generation of propulsion and energy integrated systems. Design: Continue the maturation of a specific set of technologies and knowledge (e.g., those foreseen in the EDF-2021-ENERENV-D-PES call topic) towards higher levels of TRL for the development of building blocks needed for competitive novel propulsion and energy systems for future SoS configuration. The set of technologies must include the following: Design of dedicated simulation tools for multi-system simulation in a collaborative and agile life cycle context. Design of the test means necessary for the evaluation of next generation of propulsion and energy integrated systems and prototyping of enabling components and subsystems. High-temperature light-weight materials development. Aircraft and engine thermal management systems. Aircraft and engine electrical systems. Advance cooling and manufacturing technologies of high temperature turbomachinery components. Combustion technologies, including advanced and sustainable aviation fuels. Progressing with advance engine architecture, including hybrid-electric systems to increase thrust and power extraction and decrease specific fuel consumption. Maturation of technologies using dedicated rigs where appropriate and if necessary. improved development process to be able to reduce development time and cost (e.g., including early demonstration & rapid prototyping). improved manufacturing technologies. Furthermore, these design activities should provide analyses, tools and methods concerning: The propulsion and energy management integrated solutions. System prototyping: Build a modular prototype/system test bed, able to evaluate synergies and optimal management of propulsion, thermal and electric energy. Build/create samples of new materials for testing allowing comparison and trade-offs among new materials designed. Prototyping of specific components aimed to increase the Europeanisation of relevant technologies, included but not limited to controls, high temperature materials and cooling technologies. Testing: Use test beds to provide experimental evidence about optimisation that can be achieved in terms of energy efficiency and environmental impact. Test, new materials in terms of energy efficiency and environmental impact. Test components prototypes to find optimisation strategies to achieve best energy management. Evaluate new types of fuels in terms of, e.g., energy and power efficiency, exhaust characteristics and environmental impact. In addition, the proposals should cover the following tasks: Increasing efficiency: Low-cost lifecycle cost technologies development. Development of integrated life cycle service (e.g., predictive maintenance, smart inspections, usage of advanced VR/AR in MRO). Integration of electrical motor/generator on engine spool(s) for increasing thrust/decreasing the specific fuel consumption (sfc). Variable flow engine to increase propulsion efficiency in respective part of flight envelope. Consequently, the proposal must cover both the maturation of technologies and the implementation of an additional set of activities in order to maximise the synergies with foreseen and completed projects. Proposal must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of highly efficient propulsion and energy systems for next generation air combat and unmanned collaborative combat aircraft systems notably those described in the call topic EDF-2021-ENERENV-D-PES on Alternative propulsion and energy systems for next generation air combat systems .

Functional requirements The proposed product and technologies should meet the following functional requirements: Develop flexible propulsion system design, with extended capability to operate within a broad range of different missions and operative requirements while enhancing affordability, availability and airborne platform independence. Develop integrated power, propulsion solutions and modular and flexible energy management to achieve optimal airborne platforms performances across broad range of different missions and operative requirements. Explore, starting from existing product, trade-off alternative integrated propulsion and non-propulsion solutions or innovations. Analyse the potential gains, risks, development and production roadmaps of future military airborne engines meeting the required performances. Design technologies to minimise life cycle product cost. Provide sustainability along the product life cycle, considering digitalisation during design and production, and a reduced environmental impact due to more efficient advanced propulsion. Develop efficient energy management systems, coupling turbomachinery with electrical machines and heat exchangers, increasing energy generation (propulsive/non-propulsive) with complex constraints to reconcile (much higher energy needs/electrical demand of future equipment including armaments and/or sensors, Electronic Attack/Radar systems, etc.) integrated on airborne platforms. Improve the engine systems, from materials to system architectures through components on different levels (including heat/thermal management, energy generation, distribution, and storage).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .

4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Full-size demonstrators for next generation soldier systems

General Info

Topic ID : EDF-2025-DA-PROTMOB-SS

Summary : Full-size demonstrators for next generation soldier systems **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-PROTMOB-SS>

Description

Expected Impact: The outcome should contribute to: Address the 2023 Capability Development Priority “Future Soldier Systems”. Provide standardised and harmonised solutions that meet the future capability needs of participating EU Member States and EDF Associated Countries with maximum commonality and modularity that can be quickly integrated into existing soldier systems and equipment. Develop and increase the maturity of innovative technologies specifically adapted to the soldier needs of all EU Member States’ and EDF Associated Countries’ Armies. Enhance EU industrial capacity to develop, produce and provide soldier systems and soldier equipment. Reduce dependences on non-EU technologies and products. Increase the opportunities for various smaller actors in the defence sector established in the EU, EDF Associated Countries or Ukraine - including those not previously active in the defence sector, to adapt and apply innovative technologies for defence applications- and promote technological edge in the field. Increase opportunities and future involvement for third parties participating in FSTP in the field of force protection and mobility within tasks described previously in the call text under “Conditions related to FSTP”. **Expected Outcome:** As it is related to EUDIS, and in addition to the development activities, this call topic aims to support innovation opportunities and enable small companies to receive acceleration support and demonstrate innovative technologies relevant to soldier systems. To achieve this objective, financial support to third parties (FSTP, i.e., cascade funding) is included as part of the grant. This should increase the opportunities for various smaller actors, including those not previously active in the defence sector, to adapt innovative technologies for soldier systems, which include a significant number of small elements such as for ballistic protection, load carrying systems, textiles/clothing, including smart textiles, requirement for light batteries, electronic equipment (e.g., for communication, situational awareness, GPS, various sensors, etc.), and to identify potential business opportunities in the defence sector. **Objective:** This call topic aims to develop the next-generation dismounted soldier system (NGDSS), finding synergies with existing topical EDF projects’ concepts and developments through an updated open-source architecture, as well as NATO efforts and the development of individual and networking capabilities. It is therefore to continue the development of a demonstrator and the underlying concepts, by increasing the technical maturity for the capability suites to enable evaluation under representative conditions, and to demonstrate a new level of innovative technologies and the capability to address new threats, in the perspective of the NGDSS. This should enable the EDTIB to design and promote a common, open and an innovative standard essential to the development of new equipment and subsystems for an interoperable solution. Dismounted combat is highly exposed to high intensity operations. Recent conflicts around the world show that improving the soldier's proximal defence is essential to maintaining a good numerical ratio on the battlefield. The roboticisation of the battlefield is a clear opportunity, but also a constant threat to which a dismounted combat platoon must constantly adapt. The challenge for soldier systems is to improve the effectiveness, resilience, and survivability of the soldiers on the battlefield. It should be designed for an easy integration of soldiers in the digital battlefield, through interoperability features, allowing them to quickly access available information and to receive protection against new threats (e.g., swarms, loitering munitions), while reducing the total burden on the soldier (i.e., including physical load and cognitive load). The development of the NGDSS aims to meet this objective by finding synergies with emerging concepts and developments, through an updated open-source architecture and individual and networked capabilities. **Specific objective** The objective of this call topic is to enable the EDTIB to design and promote an innovative and open standard essential for the development of new equipment and subsystems for an interoperable and sovereign solution for a NGDSS. Taking into account the lessons identified from recent conflicts, this call topic aims at addressing solutions in response to new threats, in particular those based on quickly adoptable civil technologies. These solutions should be applicable to urban and densely populated environments in temperate, cold, and hot climates. Certain individual solutions can be combined to achieve a collective effect at the platoon level. The main specific challenge is to increase the maturity of the different building blocks required in terms of survivability, sustainability, mobility, energy, observation, and lethality, and to improve the ergonomic integration and system reliability at the soldier system level. Another challenge is to further explore and demonstrate the benefits of emerging technologies, in particular to protect soldiers against growing and evolving threats in a high-intensity warfare environment. Therefore, the consortium is requested to reach out to third parties across the EU, EDF associated countries and Ukraine, in particular SMEs, including start-ups, to test a broad spectrum of

technological solutions and give those innovative players the opportunity to demonstrate the potential of their ideas to relevant players in the defence application field. As a tool to enable this open innovation approach, funding for financial support to third parties (FSTP) is an integral part of the awarded grant. The consortium is required to organise calls to third parties to select and award start-ups and SMEs. The selected third parties should be offered the opportunity and financial support to test their solutions, receive technical mentoring and other relevant acceleration services for a specific period. This should support the creation of a cross-border defence innovation network that encompasses players that would otherwise not have the means to access EDF actions, thereby further enhancing innovation capacity and competitiveness of the EDTIB. The consortia responding to the call may include a large variety of entities, such as military or civil test centres, research institutes, universities, industry, certification authorities, accelerators, or incubators as well as other organisations that can play an important role to contribute for the benefit of the proposal.

Scope: With a view to a NGDSS capable of facing new types of threats, the proposals must further develop the concepts and open architecture for soldier systems with leading edge innovative technologies, by increasing the technical maturity of the capability suites to enable evaluation under representative conditions, including prototyping and testing of relevant soldier capability suites and devices. The proposals must therefore address: The update and further development of the European open and modular architecture for Soldier Systems, in the perspective of the NGDSS with possibilities of open-source interfaces for integration of technologies and networking (e.g., with Battle Management Systems). The detailed analysis of requirements for the NGDSS, including end-user perspectives view and observations from recent conflicts. The study and the design of a range of innovative technologies for new equipment, specifically focused on high intensity combat. Prototyping activities for the various hardware and software building blocks for individual soldiers and teams. Testing and evaluation activities for the integrated hardware and software building blocks for individual soldiers and teams. The proposals must describe how entities with expertise on the relevant technologies know-how should be supported, including the proposed implementation conditions for FSTP. Recipients of FSTP that contribute to the technology development must receive financial support to prepare a sample of their technology, to attend and support the testing of their technological sample, and to technologically improve their solution. FSTP may also be provided to entities that contribute with analysis and measurement capacities, technology-specific expertise, innovative tools, or support the manufacturing of technology test samples or components necessary for testing. The proposals must include technical mentoring for the selected recipients of the FSTP as well as the set-up of additional measures to support the recipients of the FSTP business case.

Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies, including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes(optional) (c) Studies, such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes(optional)

Accordingly, the proposals must cover at least the following tasks as part of mandatory activities:

Studies: Update the use cases, with specific focus on high intensity warfare (e.g., in overstretched combat zones with a lack of personnel on the ground). Conduct detailed requirements analysis including end users view and observations made in current conflicts. Update the GOSSRA [1] soldier system architecture including their interface descriptions for the integration of, but not limited to, extended interfaces with Battle Management Systems, anti-tank weapons and combat vehicles.

Design: Design and evaluate a new set of Proof-of-Concepts and technological demonstrators fulfilling the functional requirements. Design a set of innovative functionalities to create new capabilities, specifically focused on high-intensity combat, including but not limited to: Integration of new materials such as textiles for improved survivability, protection, and signature reduction. Improved integration of effectors (e.g., weapon systems). Capabilities to interact with highly autonomous unmanned systems (unmanned aerial systems – UAS and unmanned ground systems – UGS). Capability to detect, identify and contribute to neutralise disruptive threats such as UAVs in order to improve soldier protection and contribute to collaborative combat for a coordinated action. Cooperation with UxS-Swarms in different environments. Capability of collaborative combat with combat vehicles. Defensive cyber measures for soldier systems. Optimising power management by minimising energy consumption in a soldier system. Focus on efficient power sources, power management systems, energy-efficient equipment and data, communication optimisation and energy harvesting.

System Prototyping: Build prototypes for the soldier capability suites and devices: External augmentation of soldiers to counter the physical load induced by the carried equipment and supplies, for scenarios to be defined by the end users. Manned-Unmanned Teaming (MUM-T), with UGS and UAS and including swarms of UxSs to fulfil ISTAR, force protection, and combat tasks, including protection against aerial threats. Integration with Battlefield Management Systems (BMS) enabling connection with existing and new technologies, e.g., unmanned systems. Integration of sensors and effectors with regards to human and machine interfaces for ease of usage

(i.e., intuitive, easy operation) Build a full system prototype, based on the selection of the most mature Proof-of-Concepts. Testing: Perform validation testing at squad and platoon level under representative combat and environmental conditions and against the functional requirements. Concerning the implementation of the FSTP, the proposals must cover the following tasks: Screening and identification of landscape of suitable candidates from various sectors, including those that have not been active in the defence sector before, for the sub-calls organised by the consortium providing FSTP. Preparation of the call documentation to issue up to two sub-calls for FSTP. Organisation of up to two sub-calls for FSTP. Selection and award of recipients for FSTP. Providing technical mentoring for recipients of FSTP. Providing networking and cooperation activities between the EDTIB and third parties, as well as the establishment of additional measures to support the business case and innovative ideas of recipients of FSTP within the scope of the call topic. Providing recipients of FSTP calls with the necessary knowledge on doing business in the defence sector, in particular on IPR protection, IPR strategies, export control and other specificities of the defence sector. Describe how the support to recipients of FSTP may be contributing to any type of task within the proposal. In addition, the proposals must substantiate synergies and complementarities with foreseen, ongoing or completed activities in the field of ground combat capabilities and Force protection and mobility, notably those described in the call topic on Force protection and advanced soldier systems beyond current programmes/Generic Open Soldier Systems Architecture under the Preparatory Action on Defence Research (PADR), and the EDF call topics EDF-2021-PROTMOB-D-SS on Soldier Systems and EDF-2022-MATCOMP-SMT on Smart and multifunctional textiles . Functional requirements Considering the experience gained from existing deployed soldier systems, including usage of large numbers of UxS, the proposed Soldier System and Capability Suites sub-systems should meet the following functional requirements: Have a system approach including standardisation and harmonisation of system specifications and modular open architecture, to ensure system adaptability and interoperability in a cost-effective manner. Enable enhanced individual soldier combat capabilities, with improved ergonomics and reduced physical load through an optimised Size, Weight, Power and Cost (SWaP-C) approach. Ensure interoperability and enhanced networking capabilities, at/beyond the squad and platoon levels by implementing efficient Observation, Orientation, Decision and Action (OODA) loops and battlefield information sharing, including interaction with manned combat vehicles, unmanned ground and aerial systems and anti-tank weapons. Enable operations indoor (e.g., urban terrain, subterranean), in confined space (e.g., trenches) and under GNSS denied conditions, while maintaining collaborative combat capabilities and resilient global situational awareness. Develop disruptive solutions focused on reducing cognitive load on the soldier. Provide a modular, open, scalable, and cyber-secure architecture with defined and standardised interfaces for different technology components and devices, including integration with non-autonomous and autonomous systems and subsystems, including future manned and unmanned capabilities. In order to meet the above requirements, the proposed soldier system and the devices and capability suites associated with the soldier system should demonstrate the following: Interchangeability and interoperability, through the implementation of modular and standardised open architecture. An updated open architecture to be published for interface adaption by equipment vendors. An advanced situational awareness with application of disruptive technologies such as artificial intelligence (AI) and augmented reality (AR), leading to an effective detection, reconnaissance and identification chain and improving decision-making process. An improved survivability at soldier level, with high protection level facing a wide range of threats, including the latest emerging ones. High level of ergonomics integration at soldier system level, with reduced physical and cognitive load and improved comfort and mobility. Accelerated OODA loops, at individual and collaborative levels with a low cognitive load. Advanced smart engagement with possible application of AI to improve the effectiveness of the augmented soldier system. Disruptive power management solutions to improve soldier ergonomics, lethality, and survivability by controlling power distribution allowing longer run times. Robustness to meet the demands of the harsh military environments. Compatibility with severe military environmental conditions. An embedded training capability to facilitate system usability on the field. A minimised logistics footprint through standardisation. Optimised power consumption. In addition, the FSTP includes the following specific requirements: The consortium should: Organise one or two calls for third parties selecting target of minimum 5 and up to 10 entities per call, depending on the industrial landscape of the target domain, whereas each third party may be supported with up to EUR 60 000 for a maximum 6-months long acceleration programme that encompasses the associated tasks. Provide the third parties with the opportunity to demonstrate their knowledge, technologies, capabilities, and products. Foster the possibilities for future involvement of these third parties in the European defence community. Provide a clear methodology allowing to measure the FSTP's contribution to the innovation performance of the supported SMEs in the short-term, e.g., via indicators such as numbers of new or significantly improved products (goods and/or services), processes, new marketing methods, or new organisational methods, and to its impact on resource efficiency and/or turnover. Aim at a wider impact on innovation performance of the supported entities in the medium-term. The proposals should clearly delineate the expected contributions from the main beneficiaries as well as from the recipients of FSTP, to ensure their coherence and impact. Concerning the organisation of FSTP, the proposals should include a description of: The method for calculating the exact amount of the financial support requested by the third parties. The payment arrangement options to third parties. The possible types of activities for which a third party may receive financial support. The potential results to be obtained. The roles and responsibilities of the consortium with regard of the management of FSTP. [1]

Conditions

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- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Future modular multifunctional land platforms and enabling technologies, including green technologies

General Info

Topic ID : EDF-2025-DA-GROUND-FM2LP

Summary : Future modular multifunctional land platforms and enabling technologies, including green technologies
Status : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-GROUND-FM2LP>

Description

Expected Impact: The outcome should contribute to: Address the 2023 EU Capability Development Priority “Ground Combat Capabilities”, in particular its Key Impact Areas “Next Generation Manned and Unmanned Armoured Platforms” and “Modular and Multifunctional Systems of Systems for Effective Land Capabilities”. Provide the EU Member States and EDF Associated Countries end users with the means to integrate the qualified and certified platforms family of system of systems to reach the Initial Operation Capability (IOC) at the end of this decade. Increase the EDTIB capacity to accelerate qualification and certification. Provide solutions that solve future system of systems needs for EU Member States and EDF Associated Countries including holistic life cycle fleet management and readiness systems and personnel training systems. Enhance and integrate the EU Member States and EDF Associated Countries desired technological building blocks for future vehicles and improve the performance capabilities of the in-service military vehicle fleets. Provide vehicle solutions to reduced environmental and logistic footprint. Provide opportunities to eliminate or limit environmentally toxic substances. Establish EU business consortia able to offer competitive solutions for global markets, maximising impacts on cost-effectiveness and scale-effects, while stimulating industrial cross border cooperation. Strongly reduce the dependence from non-EU technologies and products thereby increasing the EU’s Security of Supply of armoured vehicles and related systems. **Objective:** The general goal of topic is to increase the maturity of enabling technologies to enhance the performance and effectiveness of armoured land platforms and especially certification of system level solutions. **Specific objective** This topic aims to further develop the technologies required to enhance the performance and effectiveness of armoured land platform systems in high-intensity operations, making them more capable, modular, multifunctional and energy efficient by maximising synergies, standardisation and interoperability of armoured land vehicle families. **Scope:** Proposals must address development, qualification, certification and improving efficiency especially needed for reaching initial operational capability for newly developed vehicles. Proposals must address the following activities: Further development and verification of systems and enabling technologies including green technologies. Increasing the maturity of systems and subsystems. Validating that target vehicles systems fulfil and achieve the operational requirements of the intended operational environment. Implementing and certifying applicable military and generic/civilian standards on sub-system level of enabling technologies. Identifying and analysing stakeholders’ needs and define requirements for different land platform variants (e.g., LOG, C2, EVAC, CBRN RECCE). Identifying necessary supportive elements (e.g., Training and maintenance systems/ functionality, and subsequent requirements) in order to support use and lifecycle management of the proposed products/systems and enabling technologies. Defining system architecture for different variants maximising synergies, standardisation and interoperability. Designing the different system variants to help ensuring that the detailed design for the variant systems under review is sufficiently mature and ready to proceed into test phase and meet stakeholders’ stated requirements. Testing the different system variants prototypes; identify and analyse possible security of supply bottlenecks of systems and sub-systems; study potential strategies and solutions for materials and components where high criticality is identified (including but not limited to circular approaches). **Types of activities** The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase

interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes (mandatory) (h) Certification of a defence product, tangible or intangible component or technology Yes (mandatory) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (mandatory) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Studies: Analyse new technological solutions to comply with capability areas of functional requirements stated in the EDF-2021-GROUND-D-FMGV call text. Identify and analyse stakeholders' needs and define requirements for different land platform variants. Define and perform necessary quality assurance, configuration and risk management process during the action. Identify and analyse possible Security of Supply bottlenecks of systems and sub-systems, as well as potential ways to reduce risks for subsystems/components shortage (including but not limited to circular approaches). Design: Design technological solutions to fulfil functional requirements. Design the different system variants. System prototyping: Produce different variants prototypes. Testing: Verify the fulfilment of different functional requirements and stakeholders' requirements in operational environment. Qualification: Validate the fulfilment of different functional requirements and stakeholders' requirements in operational environment. Certification Certify target vehicles and systems according to standardisation requirements prioritised by stakeholders. Validate and qualify sufficiently mature future modular ground vehicles sub-systems and functionalities. Increasing efficiency Develop, test and verify Life Cycle Support (LCS) and Integrated Logistic Support (ILS) solutions. Increase efficiency of technological solutions based on testing activities. The proposals must substantiate synergies and complementarity with activities in the EDIDP-2020-GCC related to Ground combat capabilities and EDF-2021-GROUND-D-FMGV on Future modular ground vehicles and enabling technologies, including green technologies . This last topic particularly addresses All-Terrain Vehicles (ATVs) and Light Armoured Vehicles (LAVs) systems and possible integration of relevant subsystems into MBTs (Main Battle Tanks) and IFVs (Infantry Fighting Vehicles), including different variants of target vehicles. Functional requirements Systems engineering activities should follow ISO/IEC 15288(2023) processes or similar with tailored conformance. The proposed product and technologies should meet the following functional requirements in the following capability areas: Mobility : Platforms mobility should provide a substantial improvement of mobility compared to current platforms including, when appropriate, in an extreme environment (e.g., sand, ice, heat and cold environmental condition with capability to move on snowy, desert, rocky, marshy terrains with the presence of obstacles), making them more capable and energy-efficient using green technologies and reducing the logistic footprint. Same platform should have high-level tactical and operational mobility. Capability of transportation of one infantry squad/team, fully equipped, plus squad/team weapons and materials. Platforms should also have the capability of crossing water obstacles. Platforms should have an excellent operative and strategic mobility and compatibility with most civilian and military bridges (e.g., dimensions and weight such as to allow transport on board of naval units, air and rail carriers provided by most of EU Member States' and EDF Associated Countries' forces). Platforms should be equipped with a winch with an adequate self-evacuation capacity. Modularity and Commonality: Platforms should be designed in different variants to accomplish several tasks (e.g., personal carrier, combat, cargo, command post, MEDEVAC, maintenance, fuel cargo, ammunition, recce). Platforms should be capable of integrating several weapons systems (e.g., small and medium calibres, mortars, anti-tank) also in remote controlled configurations. Drivetrains and energy systems : New platforms should have to export sufficient electric energy for mission and role kits. Also benefits of high voltage solutions and energy recovery capabilities should be enhanced. Platforms should have future mobility and power solutions to demonstrate the operational interests of green technologies like hybridisation or electrical power generation solutions and to work on the production, optimisation, and management of the energy. This should improve the operational life and the efficiency of engines and power packs. Platforms should be capable of integrating the most modern technologies regarding required reliability to enable increased autonomy and efficiency under degraded conditions and guarantee the use of all modern weapon, protection, ISTAR and C2 systems. Survivability : Platforms protection should be modular by design and according to relevant standards (e.g., STANAG 4569/ AEP 55). Platforms variants should be capable of integrating most modern Active Protection Systems (APS), both hard and soft kill (e.g., STANAG 4686). Platform variants should be capable of integrating protection systems against improvised explosive devices (IED) and explosively formed penetrators (EFP). Platforms should be capable of performing their missions under chemical, biological, radiological and nuclear (CBRN) conditions and counter a variety of threats such as kinetic. Platforms should have counter-UAV capability to self-protect from drone attacks. Platforms should have low visual, thermal, electromagnetic, acoustic and radar signatures. Platforms should be capable of integrating multispectral mobile camouflage for several type of environments. Platforms should be capable of performing their missions, by day, night and in extreme environmental conditions. Interoperability and C4 : Platforms should maximise standardisation using NATO Generic Vehicle Architecture (NGVA), offering growth potential and further incremental improvements possibilities, based on a System-of-Systems approach and should be also capable of integrating state of the art technologies. Platforms should include the integration and interoperability of

manned and unmanned aerial and ground vehicles (UAV/UGV), using relevant standards (e.g., STANAG 4586, STANREC 4818). Mission system should act as the platform core for integrating all the subsystems and components. All the subsystems and components should be integrated in a modular way into the mission management system to enable continuous upgrades during system life. Platforms should be able to accommodate applicable radio transmitters and receivers during operation, also in silent-watch mode. Platforms should enable unmanned/optionally manned operations. Platforms should be cyber resilient and provide cybersecurity, given the increasing connectivity of systems expected. Platforms should be capable of ensuring the C2 functions also for classified data (up to SECRET level) and should be capable of integrating SATCOM (Satellite Communication), 5G (fifth generation technology standard for cellular networks), CNR (Combat Network Radio) data exchange technologies (and potential future developments). Situational Awareness : Implementing emerging technologies/systems should substantially increase situational awareness of platforms compared to current versions, allowing a hemispheric 360° situational awareness, automatic threat detection, tracking and identification, real time updated and shared operational picture and information. Technologies should enhance the survivability by offering the crew situation awareness information. Implementing technologies/systems should minimise detection and response time toward entities/potential threats and improve the efficiency and effectiveness of the APS. Implemented technologies/systems should remain functional in Global Navigation Satellite System (GNSS) denied environment. The situational awareness system architecture should be open to facilitate integration into any armoured vehicle. The situational awareness system should be capable of contributing to a Common Operational Picture (COP). Engagement : Small calibre weapon systems should be removable by the crew. Remotely controlled weapon stations should be considered for small and medium calibre. Remotely controlled weapon stations should include autonomous functions in order to support the activities of the systems operator. The functions should meet the normative and ethical requirements. Capable of integrating several weapons systems (e.g., small and medium calibres, mortars, anti-tank). Life Cycle Support : Platforms should feature such a maintainability in solution design as HUMS and Digital Twin and fleet management system in order to enable greater operational availability/readiness at lower total cost of ownership compared to current platforms. Design-to-cost approach and simplicity should be keys to enable global affordability of candidate solutions. Platforms should feature maximum standardisation and commonalities in order to decrease life cycle costs and secure the supply. Platforms should feature modularity across different system versions. Training and simulation should be embedded on the platforms.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Space-based ISR constellation

General Info

Topic ID : EDF-2025-DA-SPACE-SBISR

Summary : Space-based ISR constellation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-SPACE-SBISR>

Description

Expected Impact: Such new ISR capability should have a very high impact over the tactical means of the European stakeholders before and during a crisis, in terms of: Reactivity (rapid availability of information after request). Added value of the information collected (nature, resolution and complementarity with other ISR sources). Multi-users and federated access to the different components of the constellation. Continuity and sustainability of the information flow by providing affordable solutions to regularly gather information via the space domain. The nature of the solution (constellation of small satellites allowing sharing of resources between Members States, and EDF Associated Countries and other users) and development plan should also allow for a timely shared or joint procurement (not excluding final stages of development) and in-service support while preserving a sufficient level of sovereignty. Objective: Several EU Member States and EDF Associated Countries operate high-end Space-based ISR (SBISR) systems, either as national assets or under specific transnational cooperation agreements. These systems use a wide variety of traditional spaceborne

sensors and have provided EU defence with an extensive experience on the use of SBISR. Many EU Member States and EDF Associated Countries, which do not have direct access to a SBISR system, receive space imagery through commercial providers or transnational cooperation. As the existing systems are operated independently and are made of a low number of high-end space assets, their revisit, persistency, reactivity, and data diversity are limited. Similarly, support at tactical level is only possible with nationally operated assets because current transnational data sharing time response is not meeting the requirements for tactical support. This SBISR call topic aims at contributing to develop an affordable constellation of small satellites, including its ground segments able to handle various types of innovative sensor payloads (optical, night vision, low light infrared, hyperspectral, RADAR, passive RF detection, video) for ISR applications. Such a constellation would complement high-end existing military capabilities while allowing responsive and smart tasking and data collection for near real-time operational and tactical use. The objective of the topic is therefore to develop European SBISR capabilities through three pillars:

1. An access system called the Federation Layer [1] .
2. The development of a low-latency constellation made of multi-sensor small-satellites.
3. The access to existing national capabilities and capabilities under development. It aims to pave the way towards a future operational European Earth observation defence capability for ISR applications. Specific objective The specific objectives of this call topic are to: Define and develop the overall architecture of the constellation: types and number of satellites of each type, orbits, performance, among others revisit time; ground segment(s), i.e., control segment as well as user segment (Federation Layer), with particular attention to end-to-end responsiveness and affordability. Identify complementarity with on-going activities at EU (i.e., EU Space programme, EU agencies), national or multinational level (including those already supported via the EDF). Develop or integrate components (sensors, platforms, ground segments and other key sub-systems, including security), which meet the needs of EU Member States and EDF Associated Countries. Develop interfaces definition and demonstrate the Federation Layer in terms of functionality and security. Facilitate the use of existing national capabilities and those under development, in order to demonstrate and test a first ISR capability by the end of the action. One of the challenges of this call topic is to achieve high performance payloads compatible with small satellites, in order to procure an affordable constellation that can federate EU Member States and EDF Associated Countries around a shared and sustainable capability. In this context, industry should propose a development that leads to an affordable solution in terms of non-recurring and recurring costs, by taking also into account the operational and maintenance costs. Moreover, the architecture should remain modular and scalable, in order to cope with an increase in the number of satellites within the constellation or in the number of users. The applicants should also address the challenge of ensuring that the proposed solution can be adapted to various forms of cooperation. They should develop a solution compatible with several governance models and data policy for end-users to be proposed to the current and future co-financers, including potential EU stakeholders. They should therefore define possible rules, related to the defined technical solutions, for the prioritisation of tasking or processing requests, for data management, data processing and data dissemination. Scope: Proposals must address the development of European SBISR capabilities through the three pillars mentioned above. Proposals must cover the development of the overall system (i.e., space and ground segment), including in particular: At system level: The deepening of the concept of operations (CONOPS) for such capability, including the functionality and security of the Federation Layer. The advanced design of the overall system architecture (including selection of orbits, and sensors, possible inter-satellite links (ISL), possible data relay satellites, ground stations, raw data management and processing) and the definition of each component of the end-to-end system, composed of the satellite platform(s), the ISR payloads and the ground segment(s). The detailed definition of minimum-security common requirements and associated impact on the design of technical solutions and on the costs. The development plan(s) for the new constellation; de-risking activities and technological roadmaps must consider various options for each component of the system based on existing solutions, adapted solutions and/or new developments. Different development stages must be considered for the proposal, depending on the current maturity level for each component or ISR payload. Synergies with industrial technology roadmaps and with national, multinational and EU programmes, studies and projects (e.g., European Defence Industrial Development Programme, European Defence Agency, EU space programme/secure connectivity or earth observation governmental service) should also be analysed. The development plan(s) for the use of existing and planned systems that can contribute to or complement the constellation, including to what extent they can contribute to an early start of the European capability compared to the plan for the launch of the small new satellites. The cost and cost benefit analysis - including launch costs and estimate of the overall operation and maintenance costs. Where design options are being identified (e.g., number of satellites for each constellation component, number of ground stations, functions offered by the user ground segment) the cost benefit analysis must allow to compare the proposed options. At space segment level: The development up to TRL [1] 6 for selected payloads, with the identification of suitable existing or upcoming satellite platforms, available in the EU, to host them; the proposals must clearly identify for each type of payloads mentioned above, the starting point and expected ending point in terms of TRL, and the target satellite platforms for these payloads. Only if duly justified in the proposal, the planning, implementation and in-orbit demonstration and validation of some payloads or technologies. The justification expected in the proposal should justify the risk of launching the production of a first batch of satellites without in-orbit demonstration (IOD) and given this risk

the relevance of the proposed IOD from a cost and planning perspective. The requested EU contribution for the proposal must not cover the associated launch(s) and deployment costs (that should therefore be financed by the owners of the prototype(s)). The planning of the implementation (i.e., prototyping) and launch of a first batch (typically covering a single orbital plane) of satellites able to demonstrate the validity of the architectural solutions defined, to test the constellation management and to deliver an initial federated ISR capability. The requested EU contribution for the proposal must not cover the associated launch(s) and deployment costs (that should therefore be financed by the owners of the prototype(s)).

At ground segment level: The consolidation of the performance of each control and mission ground segments to be used for each type of satellite of the system, and of the associated operational costs. The detailed design and the development of interoperable ground segments' prototypes (in terms of main control and planning functions) for multi-mission applications able to be federated through the Federation Layer. The development of a Federation Layer prototype (minimum TRL 6) able to offer multi-mission tools and handle harmonised and anonymised requests for data acquisition, data processing and data dissemination, quota countering for each user, on each component of the ISR constellation or for the constellation as a whole). The testing of the Federation Layer prototype using abovementioned satellite sensor prototypes and/or other available and relevant sources (e.g., commercial or national space components).

Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes(optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes(mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes(mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes(mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes(mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes(optional) (h) Certification of a defence product, tangible or intangible component or technology Yes(optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes(optional)

The technical maturity of the development at the beginning of the action is assumed to be: A PDR (Preliminary Design Review) level for the system of systems (with federation). A PDR level for each elementary system (each elementary system being dedicated to a type of sensor). A minimum of PDR level (i.e., possibly a higher level) for new sensor payloads. Accordingly, the proposals must cover at least the following tasks as part of the mandatory activities:

Studies: Consolidation and optimisation of the CONOPS of the system of systems and of elementary systems taking into account the technical outputs of tests. Consolidation and optimisation of the strategy of deployment of the system (in particular with respect to launches and operations). Update of the technical and programmatic documentation from the PDR (in particular, performance budget, development plan, risk assessment, costs evaluation) taking into account technical outputs of tests. Issue of a preliminary user manual of the Federation Layer. Production of the technical documentation required for the security accreditation of the system by national security agencies.

Design: Completion of the detailed design definition of the system at all levels (system, space components, ground segments). Production, development, testing and pre-qualification of selected critical elements and components (to be identified in the proposal). Detailed definition of internal and external interfaces at system, satellite, and ground levels. Demonstration (to reach at least TRL6) of new sensor payloads. For sensors targeting the launch of a first batch of satellites during the action, achievement of the Critical Design Review of the payload, the satellite platform, and the system, and of the Qualification Review of the satellite.

Prototyping: Development of an operational demonstrator of the Federation Layer. Development of prototypes of new sensor payloads as required for demonstration of at least TRL6 (to be identified in the proposal). For sensors targeting the launch of a first batch of satellites during the action, production of a first batch of satellites ready for launch.

Testing: Test of the demonstrator of the federation layer, with at least two types of sensor systems (commercial services, or national contributing systems, or a first batch of satellites to be launched during the action) and at least three end-users. Environment testing of new sensor payloads, as required for demonstration of at least TRL6 (to be identified in the proposal). Test and validation of all satellite and ground critical interfaces (to be identified in the proposal). At the end of the action, the suggested system should be mature enough to allow for decision-making regarding procurement and start of initial operational capability. The proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of Earth observation for ISR applications, notably those described in the call topic EDF-2022-DA-SPACE-ISR related to Innovative multi-sensor space-based Earth observation capabilities towards persistent and reactive ISR , as well as those performed within the EU Space programme, notably the feasibility studies on potential EU Earth-observation services for governmental use and the EU Secure Satellite Constellation IRIS².

Functional requirements The capability to be developed should meet the following functional requirements: High revisit : develop a scalable solution allowing to accommodate a growing number of satellites (same or different payloads) within the constellation, ultimately to

reach, for some use cases, intra-hour revisit. Affordable very high spatial resolution : achieve resolution below 0.5 m with small satellites for optical visible video/still imagery and SAR (e.g., low altitude orbit, on-board processing). Operational timeliness improvement : develop the capability to dynamically (re)task a satellite (e.g., within a few minutes); ability to perform automatic tipping and cueing; reduce downlink latency and enhance data downlink throughput; for some use cases, reduce time between tasking of the constellation and delivery of the relevant information to the end-user (e.g., tactical use). Highly digital architecture allowing advanced and flexible on-board processing : enable autonomous extraction of actionable information from the captured imagery and data, and automatic preparation of complementary tasking of the constellation (e.g., autonomous decision to lock image over a defined object or area of interest pin-pointing), even with different acquisition modes (e.g., video) for target detection and analysis (classification, recognition, identification) depending on task/mission, including passive RF monitoring. Space-to-ground efficiency : allow both high data rate downlink and optimisation of downlink efficiency, where relevant making use of on-board processing capabilities. New space imagery and passive RF monitoring applications for Defence and Security : develop new sensors, processes and processing compatible with a small satellite and allowing to provide new type of products of interest for Defence and Security. Big data analysis : to develop a system that could support Big Data management to achieve high-speed analysis (including fusion) and streaming of multi-sensor data for ISR purposes. Interoperability : develop a system that is interoperable with external systems (e.g., with interfaces allowing scalable and secure information exchanges across participating EU Member States and EDF Associated Countries, and with the EU). Security requirements : develop a system that takes into account the necessary needs for integrity, confidentiality and availability (this should include affordable crypto for up- and down-links) and the multi-user dimension of the constellation (while anticipating possible future access by other institutional users for civilian missions (e.g., security or emergency). Space debris : structural design of spacecrafts and the planned end-of-life activities should comply with applicable space law(s) and implement space-debris mitigation measures. [1] [2]

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Advanced underwater networks

General Info

Topic ID : EDF-2025-DA-UWW-AUWN-STEP

Summary : Advanced underwater networks **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-UWW-AUWN-STEP>

Description

Expected Impact: The outcomes should contribute to: Enhanced security for EU Member States and EDF Associated Countries for the areas ASW, SBW, ISR, SF, MCM, MDO, protection of critical infrastructure and situational awareness. Use of synergies within European Defence Technological and Industrial Base (EDTIB) to develop common interoperable standards, to avoid duplications or incompatible technology solutions and to reduce development risks/costs. Improvement of EU strategical competitiveness and autonomy. **Objective:** The rapid emergence of unmanned systems in all military operational domains leads to radical changes in the operational strategies of the armed forces. This topic aims to address these changes and in particular EU capabilities to operate and coordinate unmanned systems in the underwater warfare domain (UWW). These systems are limited by the challenging environment (e.g., low communication range/bandwidth, no satellite navigation, poor visibility) and technology gaps (e.g., incompatible technologies, missing common interoperable standards). Ongoing research on underwater observation, detection, acquisition and communications is expected to make an evaluation of critical technologies for detection of underwater threats for protection of maritime infrastructures and coastal strategic areas and assets and identify novel technologies for improved situational awareness. Several unmanned underwater vehicles (UUVs) and stationary systems with different characteristics and capabilities exists in Europe, but currently no manned-unmanned teaming and swarms (UTS)

technology is available at a satisfactory maturity level to utilise available synergies and to increase the mission performance of combined tactical units for navies. Furthermore, infrastructure elements such as offshore wind farms and power cables with different sensors are to a large extent unused in this context. Current UUVs have challenges regarding performance, incompatible subsystems and lack of possibilities for retrofit capability extensions. Specific objective The aim of this call topic is to develop a new generation of Unmanned Underwater Super Systems (UUSS) and networks, where systems and subsystems would reach a technology maturity level of up to TRL 7, potentially TRL 8 on subsystem-level. The goal is to address specific needs of future UTS missions and to demonstrate these systems in an operational seawater environment. Current state of the art UUVs and fixed infrastructure should natively support UTS by application of a common non-proprietary and interoperable standards without the limitations of retrofit solutions. Depending on the requirements and the concept of operations (manned-unmanned teaming, swarms, squads, detection and manipulation of objects), the UUSS technical elements can differ significantly in size, range, endurance, payload (e.g., mission equipment, communication bottom node or buoy, towed sonar sensors), onboard systems (e.g., communication, navigation, human machine interface (HMI), sonar sensors, optical sensors), level of autonomy and the collaboration capabilities with unmanned vehicles (UxV) from the same or different domains (i.e., air, ground, sea, subsea). This development should build on results from prior EU underwater research activities, with the aim to design and develop operationally relevant systems employing the available existing research outcomes. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: Requirements and the concept of operations across the EU Member States' and EDF Associated Countries' armed forces must be surveyed and analysed to cover a wide range of use cases and to avoid duplications or incompatible technology developments. The outcome should be used as input for conceptional design studies of different UUSS types. This analysis must serve the design. The conceptional design factors should include among others: System performance and technologies: Endurance, range, dive depth and payload requirements. Different energy sources (e.g., batteries, motor fuel, fuel cells). Propulsion types (e.g., electric, diesel, hybrid (diesel–electric)). Concept of operations (manned-unmanned teaming, swarms, squads). Mission profiles (e.g., combination of multiple mission segments such as launch, recovery, fast transit, silent, idle). Capability of being deployed via Air, Land and Sea. Mass, dimensions and shape: Existing systems (e.g., launch and recovery systems (LARS), torpedo tubes). Logistics (e.g., cargo space, 20/40 ft cargo containers). Sustainability and innovation management: Integration of existing or novel subsystems (e.g., definition of assembly space). Definition of a certification plan and data for a future certification. The requirements on the new generation of UUSS, systems and subsystems are expected to evolve rapidly in the near future due to high pace of technological innovation in the area in particular employment of new UxV. This development risk must be mitigated by innovative, interoperable, and future-oriented designs with a modular structure to maximise the operational lifecycle, sustainability and consequently minimise costs. The feasibility and suitability of the design should be proven by the assembly of early demonstrators or far-developed prototypes and should include features such as: Configurability (e.g., variable mission equipment). Expandability (e.g., exchangeable fuselage section / swap heads). Cross-platform subsystem development (e.g., navigation and communication devices). Depending on the maturity of the of early demonstrators or the far-developed prototypes, the supersystem (e.g., multiple vehicles and fixed unfactored elements such as bottom nodes and offshore wind farms, power cables), the system (e.g., single vehicle) or subsystem (e.g., vehicle components) may be validated, demonstrated and tested in a relevant or operational seawater environment and may be operated in different concept of operations (e.g., manned-unmanned teaming, swarms, squads). Furthermore, qualification (e.g., non-destructive, destructive) and certification of the UUSS, system and subsystem should be conducted. Possible activities should consist of: Technical aspects Structural (e.g., limit loads, ultimate loads, failure loads, pressure, vibration, shocks). Electrical (e.g., over voltage, over current, overload power, energy storage). Thermal (e.g., temperature, heat transfer, cooling). Radiation (e.g., electromagnetic, acoustic, optical). Manipulation devices (e.g., drilling, handling). Operational aspects Demonstration, testing and validation of mission segments or profiles. Demonstration, testing and validation of collaborative capabilities (e.g., interoperability, shared communication, serial/parallel task execution, initialisation and reconfigurations of formation). Checking of the UU supersystems, systems and subsystems performance against the operational requirements of potential operators. Information Security in military operations. Regulatory aspects Certification by public regulations and standards (e.g., regulatory authorities, industry standards, EU, NATO). Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology (prototype) Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (optional) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life

cycle of defence products and technologies Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Integrating Knowledge Integration of available existing outcomes from research, development and industrial progress, and others. Studies Survey and analysis of requirements and the concept of operations. Execution of conceptional design studies with different UUV types/configurations, concept of operations and mission profiles. Definition of a certification plan and data in view of the future certification of the UUSS, systems and subsystems by the concerned authorities. Authentication for manipulations of objects with the vehicles. Design Design and dimensioning of innovative, interoperable and future-oriented of UUSS, systems and subsystems to fulfil the wide use cases across EU Member States' and EDF Associated Countries' armed forces. Prototyping Assembly prototypes of UUSS, systems and subsystems to validate configurability, expandability, and cross-platform subsystem development. The following tasks should be performed as part of the optional activities: Testing Testing and validation of UUSS, systems and subsystems by executing mission segments or profiles in relevant or operational seawater environment through live demonstrations. Qualification Non-destructive or destructive qualification of UUSS, systems and subsystems (e.g., structural, electrical, thermal, radiation), checking that the UU supersystems, systems and subsystems meet its operational requirements to effectively accomplish its mission and user needs. Certification Certification of UUSS, systems and subsystems by public regulations and standards (e.g., regulatory authorities, industry standards, EU, NATO, etc.) The proposals should substantiate synergies and complementarities with foreseen, ongoing or completed activities in the field of underwater warfare, notably those described in the call topic EDF-2022-RA-UWW-UTS related to Underwater manned-unmanned teaming and swarms and others regarding a common non-proprietary and interoperable standard for UTS operations. Other European or NATO standards must be integrated into the new generation of UUSS, systems and subsystems. Functional requirements The solution should comply with the following functional requirements: The system architecture should be open, non-proprietary, modular, adaptable and agile. The next generation of UU supersystems, systems and subsystems should be innovative, interoperable and future-oriented. The system should incorporate solutions adopting artificial intellect (AI) and machine learning (ML) for data analysis, information handling, system monitoring, and decision aid. Fill capability gaps of EU Member States' and EDF Associated Countries' armed forces concerning UTS as expressed in supporting their capability requirements. Enable enduring operations in several EU maritime environments. The solution should be supported by a concept of operations. The concept of operations should cover the areas Anti-Submarine Warfare (ASW), Seabed Warfare (SBW), Mine Countermeasures (MCM), Intelligence, Surveillance and Reconnaissance (ISR), Special Forces (SF) Support, Multi-Domain Operations (MDO), protection of critical infrastructure as well as situational awareness, and may include others. The UUSS should support different ranging, navigation, and communication topologies (e.g., single-link, star, multihop) and a combination of stationary deployed nodes, buoys, surface ships and underwater vehicles of different sizes: Small and Medium UUVs: Formation of large groups of rather homogenous UUVs (swarms) to benefit from overloading and scaling effects. Formation of small groups of rather heterogeneous UUVs (squads) to benefit from shared individual vehicle capabilities and serial/parallel task execution. Large and Extra-Large UUVs. Sensors and actors, like different manipulation devices to cut cables, nets, etc. Assistance of human divers from SF during ISR missions at the enemy coastline by for instance, transporting heavy equipment to support the mission or even the diver itself. Long range and endurance capabilities for the surveillance of critical infrastructures (e.g., pipelines, communication, and power cables). Mothership / carrier concepts to launch and recover multiple small UxVs from different domains (air, ground, sea, subsea) for high-risk missions.

Conditions

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1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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Budget Overview

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Technologies for optronic detectors

General Info

Topic ID : EDF-2025-DA-SENS-IRD-STEP

Summary : Technologies for optronic detectors **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-DA-SENS-IRD-STEP>

Description

Expected Impact: The outcome should contribute to: Strengthening the security of supply at EU level of advanced ROIC technology. Improving the characteristics of infrared detectors available to the armed forces of EU Member States and EDF Associated Countries. Improving the situational awareness and decision-making thanks to sensors with better detection, recognition and identification performance. The competitiveness and innovation capacity of the EDTIB in the field of infrared detectors by providing complementary technological know-how to ongoing efforts and established solutions. **Objective:** The domain of Infrared (IR) detectors encompasses a variety of technologies that detect in different spectral bands, for a variety of applications such as land, air, naval, space, missile guidance and drones. IR detectors are key drivers to increase detection, recognition, and identification (DRI) ranges and thus to improve the global efficiency of the system in terms of situation awareness and targeting. IR technology is an important element of the EU technological sovereignty in key value chains. In this regard, the European Defence Technological and Industrial Base (EDTIB) faces a threefold challenge in the field of optronic detectors: achieving high performance, maintaining international competitiveness, and securing non-dependency of supply chains. It is key to continue supporting the development of the next generation of IR detectors. The performance of the IR detector modules is driven not only by the Photon Detector Array (PDA) but also by the silicon Read-Out Integrated Circuit (ROIC), both composing the Hybrid Focal Plane Array (HFPA). Each unit cell of the detector array is coupled to the readout cell by means of flip-chip bonding. The main purpose of the readout cell is to extract the photocurrent from the detector cell and process the signal. As early as 2019, experts identified gaps in the availability of advanced ROIC technology at EU level, which should be necessary to fulfil the targeted performance requirements of future defence systems. This subject became the focus of the call topic EDF-2021-SENS-R-IRD with the objective to invite the EU IR detector providers to collaborate and qualify together an advanced complementary metal–oxide–semiconductor (CMOS) node in a EU foundry allowing to design ultra-small pitch ROICs interfacing with different detector technologies and allowing digital 2D and 3D architectures. Collaboration between the main EU IR detector providers is strictly required. Access to advanced CMOS nodes available on 12"/300mm silicon foundries indeed requires heavy budget allocation, which can be barely achieved at individual Member State level. Therefore, the cost of access to an advanced CMOS node needs to be shared amongst the primary EU players. Furthermore, the limited volumes necessary for defence applications can be much better addressed through EU collaboration. **Specific objective** The goal of this topic is for EU IR detector developers to integrate detection circuits of varying wavelengths onto ROICs platforms and incorporate these focal plane arrays into integrated demonstrators. This should be carried out to enhance the technological maturity of the advanced ROIC designs and fully qualify the supply chain for advanced ROICs components compatible with the various IR technologies and 2D/3D architectures, as requested by the call topic EDF-2021-SENS-R-IRD. A first assessment of the performances should be done at demonstrator level. In parallel, 3D stacking technologies should be explored to increase the maturity of this technological key enabler for future smart IR sensors. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. **Scope:** The proposals must further address the advance in the development of the next generation of ROICs for IR detectors considering the EU supply chain and comprising prototyping and testing. This next generation of ROIC should be based on an advanced silicon technology (compatible with a 3D architecture) that can be used in various future cooled and uncooled IR detector architectures. **Types of activities** The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) **Eligible?** (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology Yes (mandatory) (f) Testing of a defence product, tangible or intangible component or technology Yes (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology Yes (optional) (h) Certification of a defence product, tangible or intangible component or technology Yes (optional) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes (optional) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: **Integrating knowledge** The overall objective of the proposed tasks is to increase the maturity and achieve proficiency in the development of critical technological building blocks of the supply chain of the next generation of IR detectors, hence increasing interoperability (application to different use cases) and strengthening the security of supply. ROIC design optimisation of main parameters (e.g., consumption, noise). Increase of maturity of ROIC bumping at fine pixel pitch on 300mm CMOS wafers. Design Collect and update system specifications from system manufacturers to derive the detectors and sub-components' specifications. Design of large format small pitch (#5µm) Mid-Wave Infrared (MWIR) Integrated Detector Dewar Cryocooler Assemblies using different IR circuit detection materials. System

prototyping Assembly of the IR Focal Plane Array (IRFPA) into their specific packaging to obtain first prototypes. Testing Partial tests for risk reduction at ROIC wafers', detection circuits and IRFPA's levels. Tests on IRFPA should be done at product operating temperature. Those tests (electrical and electro-optical) have to be compatible with high data rates (#Gb/s) and with 300 mm wafers. The test means should be able to validate these large array and high frequency IR detectors without limitation. Electro-optical tests and performance validation to assess ROIC behaviour through High density/large format IRFPA. Final test for the evaluation of Integrated Dewar Assemblies performances with respect to the system functional requirements. In addition, the proposals should cover the following tasks: Integrating knowledge Increase of maturity of 3D stacking architectures & process integration. Development of cooled vacuum packaging adapted to the most demanding thermal and electrical requirements driven by the pitch, format and framerate envisaged for the final products. Design Design of an extended Short-Wave Infrared (eSWIR) Integrated Dewar TEC Assembly (IDTA). Qualification Submit Integrated Detector Dewar Cooler Assemblies (IDDCAs) and IDTAs to preliminary reliability tests. Analysis of the results of the reliability and performance tests: failure analysis and derivation of the manufacturing rules. The proposals may also cover the following tasks: Studies Development of smart functions at ROIC level based on CMOS 3D architectures. Design Design of camera prototypes by system manufacturer(s) for detector integration and testing. System prototyping Fabrication of demo camera(s) based on the prototypes. Testing First imaging demonstration through the testing of the demo camera(s) within a representative use case. Preliminary assessment of advanced ROICs to space radiations The proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of IR detectors, notably those described in the call topic EDF-2021-SENS-R-IRD on Infrared detectors . Functional requirements The proposed product and technologies should meet the following functional requirements: Focal Plane Array High resolution, i.e., increase in range and field of view: Resolution above 3 Mpixels. Pitch size below 7 µm. Characterisation tests / Modulation Transfer Function (MTF). Dissipation target. Increased operability. IDDCAs Cool Down Time adapted to the pitch and format. Vacuum holding. Compactness of the interconnects.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . (available shortly) Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Privacy-preserving human-AI dialogue systems – Organisation of a technological challenge

General Info

Topic ID : EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDO

Summary : Privacy-preserving human-AI dialogue systems – Organisation of a technological challenge **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDO>

Description

Expected Impact: The outcome should contribute to: Standardisation of testing for dialogue systems. Enhanced clarity on the performances of dialogue systems for all stakeholders, including system developers, funders, and users. Community building at the European defence level. Trustworthy dialogue systems that enhance operational decision-making. Availability of databases to further develop dialogue systems. **Objective:** Human-AI dialogue systems offer impressive results but are still prone to errors of various types. Moreover, there is no established metric to measure system performances. In order to ensure trustworthiness and steer progress, these systems should be submitted to common tests using shared data and clear metrics and protocols. The goal of this call topic is thus to set up a testing environment and organise a technological challenge to evaluate the performances of such systems for defence use cases, including their abilities to manage classified information and to justify their answers. The challenge should be open to research teams supported through another call topic (EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDP) and possibly by other sources of funding. Representative defence users should be involved to contribute to the definition of the use cases and associated data, to test the demonstrators produced by the participating teams, and to provide feedback. **Scope:** The

proposals should address the organisation of a technological challenge on human-AI dialogue based on the preliminary evaluation plan provided as part of the call document (cf. Annex 4). This includes the collection, annotation and distribution of data, the elaboration of evaluation plans and metrics, the measurement of system performances, and the organisation of debriefing workshops. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (optional) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (optional) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No The proposals must cover at least the following tasks as part of mandatory activities: Integrating knowledge: Setting-up of the infrastructure for testing human-AI dialogue systems in the framework of the technological challenge. Elaboration of data annotation guidelines, collection and annotation of data, quality assessment, distribution and curation of databases. Organisation of the evaluation campaigns, and in particular. coordination of the exchanges with the participating teams and any other relevant stakeholders on the evaluation plans and elaboration of these plans. management of the experimental test campaigns and of the objective measurements of the performances of the systems submitted to the tests by the participating teams according to the protocols and metrics described in the evaluation plans. organisation of the debriefing workshops. The proposals should include descriptions of work packages, tasks and deliverables that enable a clear assessment of work package completion. These should include the production of detailed evaluation plans agreed upon by all stakeholders, the production of the annotated databases needed for the evaluations, the production of measurements for all systems submitted to the tests by the participating teams following these plans, and the organisation of the needed events. Functional requirements The proposed solutions should enable the measurement of the performances of dialogue systems according to detailed evaluation plans based on the preliminary evaluation plan provided as part of the call document (cf. Annex 4). Key aspects of the foreseen detailed evaluation plans and associated data management should be described in the proposals. The proposals should in particular describe: the scenarios considered. the languages that can be covered for each evaluation campaign. the nature and volume of data annotation to be produced, and in particular how the data is representative of defence use cases. a detailed plan of the test campaigns and an overall timeline/Gantt chart of the technological challenge. the evaluation procedures (rules and tools to implement the metrics) and significance tests to be performed on measurements. A user board consisting of representative defence users should be set up and involved in live tests. The proposals should describe the foreseen efforts from users to test demonstrators and provide feedback. During the challenge, detailed evaluation plans should be prepared for each evaluation campaign. Drafts of these detailed evaluation plans should be submitted for discussion to the participating teams, early enough to take into account the feedback for the actual evaluation campaigns. Any evolution of the evaluation plans should take into account several factors: technical possibilities and cost, scientific relevance of the measurement, and representativeness of the metrics and protocols with respect to military needs. More generally, the user board and the participating teams should be involved in the steering of the technological challenge. The proposals should include a clear description of the foreseen governance and decision-making processes at the technological challenge level.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
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this call is available in the Submission System Detailed budget table (EDF LS RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Non-thematic research actions targeting disruptive technologies for defence

General Info

Topic ID : EDF-2025-LS-RA-DIS-NT

Summary : Non-thematic research actions targeting disruptive technologies for defence **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-DIS-NT>

Description

Expected Impact: Scientific and technological contributions to the foundation of a future technology with disruptive applications in the area of defence. Enhanced innovation capacity of the EDTIB by identifying and exploring ground-breaking concepts and approaches or by applying technologies and concepts previously not applied in the defence sector. Enhanced competitiveness of the EDTIB and creation of new defence markets. Enhanced defence research and innovation capacity across Europe by involvement of actors that can make a difference in the future, such as excellent researchers, ambitious high-tech SMEs or visionary departments of large companies, universities or research and technology organisations. Objective: The specific challenge is to lay the foundations for radically new future technologies of any kind with unexpected impact that aims to bring radical technological superiority over potential adversaries. This topic also encourages the driving role of new actors in defence research and innovation, including excellent researchers, ambitious high-tech SMEs and visionary research centres of big companies, universities or research and technology organisations. Scope: The proposals are sought for cutting-edge, high-risk/high-impact research leading to game-changing impact in a defence context. They must have the following essential characteristics: A disruptive impact in a defence context: the proposals need to clearly address how the proposed solutions would create a disruptive effect when integrated in a realistic military operation; Radical vision: the proposals must address a clear and radical vision, enabled by a new technology concept that challenges current paradigms. In particular, research to advance on the roadmap of a well-established technological paradigm, even if high-risk, will not be funded; Breakthrough technological target: the proposals must target novel and ambitious scientific or technological breakthroughs that can be experimentally assessed, and the suitability of the concept for new defence applications must be duly demonstrated. Basic research without a clear technological objective targeting defence applications will not be funded. The inherently high risks of the research proposed must be mitigated by a flexible methodology to deal with the considerable science-and-technology uncertainties and for choosing alternative directions and options. The proposals must address disruptive

technologies and should include clear descriptions of the proposed criteria to assess work package completion. The proposals may address any area of interest for defence. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (optional) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (optional) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Functional requirements This call topic is open to any technology with a high disruption potential. The proposals should describe the targeted functionalities and the foreseen means to measure progress toward the achievements of these functionalities.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
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3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF LS RA) (available shortly) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Multifunctional Information Distribution System

General Info

Topic ID : EDF-2025-RA-C4ISR-MIDS-STEP

Summary : Multifunctional Information Distribution System **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-C4ISR-MIDS-STEP>

Description

Expected Impact: The outcome should contribute to: Improve EU sovereignty and autonomy of EU Member States' and EDF Associated Countries' Armed Forces when deployed in coalitions. Enhance C4ISR interoperability between EU Member States' and EDF Associated Countries' armed forces and other partner Nations. Reduce dependencies on non-EU suppliers by boosting the EDTIB and promoting the development of a EU solution. Europe's resilience and EU technological sovereignty. **Objective:** The Multifunctional Information Distribution System (MIDS) is an indispensable C4ISR capability to facilitate international conflict prevention and crisis management in all phases of operations. EU Member States (MS) and EDF Associated Countries have already used various types of MIDS in recent operations to provide tactical Link 16 interoperability between their major platforms (e.g., fighters, frigates, etc.). The EU commonly agreed EU defence objectives underline the need for C4ISR to enhance situational understanding, decision-making and coordination of forces and effects across land, sea, air, space, and cyberspace. In the coming years, MIDS capability is threatened to fall totally under the control of non-EU manufacturers with MS relying on non-EU terminals to carry out their missions. Due to the sensitive nature of military operations and the restrictions on technology transfer that prevent MS and EDF Associated Countries from adapting the MIDS terminal to EU platforms, the development of a EU MIDS is key to reduce dependency on non-EU solutions and to ensure sovereignty in this strategically relevant area. **Specific objective** The MIDS is an advanced information distribution system that provides Communication, Navigation and Identification (CNI) capabilities in an integrated form for application to air, land and maritime tactical operations. These capabilities are provided in support of operational tasks through the ability of the system to: Distribute encrypted information at a high data rate in Electromagnetic Countermeasures (ECM) environments. Interconnect scattered sources of information such as surveillance, support, and intelligence on a continuing real time basis with selectable levels of connectivity among force elements such as weapon systems, weapon controllers and decision-making commanders. Provide mobile surface and airborne force elements with a relative navigation capability within a common position reference grid. Provide an identification capability through the dissemination of crypto-secure position, velocity, and identity information concerning both friendly and hostile force elements. The specific objective of this topic is to design, develop and build a demonstrator of a radiocommunication system that provides this critical defence capability to respond to future security challenges. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. **Scope:** Proposals must design, develop and test a demonstrator of a European Fighter MIDS (F-EMIDS) terminal with an innovative SCA (Software Communication Architecture) to exceed or be at least comparable to the systems and capabilities available at the time of its entry into service. **Types of activities** The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) **Eligible?** (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: **Studies:** Set up the configurations to be recognised in the design. Identify, analyse and mitigate critical technical risks especially regarding overall integration and certification considerations. Perform a life-cycle-cost-analysis and management. Contribute to the definition and analysis of the Concept of Operations (CONOPS) supported by the relevant stakeholders. **Design:** Select applicable technologies. Design the needed modules. Cover detailed design activities after the Preliminary Design Review (PDR) until at least the Critical Design Review (CDR) of the Fighter MIDS (F-EMIDS) terminal (i.e., terminal form fit designed for fighters). **Manufacture** all functional modules and components of the demonstrator. Ensure manufacturing ability with efficient supply chain. **Perform laboratory functional testing to:** Evaluate system functions and electronic warfare (EW)

performance. Verify functions and properties against technical requirements. Validate preliminary requirements against operational needs and mission requirements. Functional requirements The proposed product and technologies should meet the following functional requirements: Transmit and receive Link 16 datalink following the ATDLP-1.75 which encompasses: Waveform (WF) signal generation. WF reception. Interaction with the host system to configure the radio. Interaction with the host system to exchange Link16 messages. Interaction with the host system to exchange Voice. Transmit tactical data with Host platform according to ATDLP-5.16. Include TACAN capability to be implemented into the fighter environment. The Air/Air and Ground/Air mode are required. No transponder requirement is required (only the ping network function). Include future airborne stealth WF capability as growth potential in terms of: Baseband WF signal generation and interfaces with front-end antennas. Baseband WF reception. Security function with a Secure Data Unit SDU (crypto component). Interaction with the host system to convoy operational messages. Include other capabilities in the airborne environment in term of: Cosite environment using suppression signal (input / output). Built in test, monitoring, and status to report to the operator. Navigation information exchange. Message Filtering. Cryptographic elements management. Comply with Software Defined Radio SCA standards. All elements necessary for the targeted WF to be executed are required. These elements are not only in terms of hardware to support software processing and waveform processing, but also the operational environment for the SDR. Support the WF operational life cycle and in charge of maintaining data during standby. Encompass hardware constraints, such as: Mechanical. Thermal. Interference protection requirements. Constraints related to security for the global F-EMIDS radio. Constraints related to security for the EL16 WF. Constraints related to security for the airborne stealth WF. Constraints related to security for the EMIDS-C security rules. Include various capabilities linked to the design to support security, safety, and airworthiness rules. Apply required engineering rules and regulation rules.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Multi-Disciplinary design and Analysis Framework for Aerial Systems

General Info

Topic ID : EDF-2025-RA-SIMTRAIN-DAFAS

Summary : Multi-Disciplinary design and Analysis Framework for Aerial Systems **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-SIMTRAIN-DAFAS>

Description

Expected Impact: The outcome should contribute to: Enhance operational superiority and lifecycle management. Enable breakthroughs such as integrated mission management and systems diagnosis, predictive maintenance facilitating mission planning and mission planning adaptation, simulation and training scenarios, reduced manning and/or autonomous operations. Ensure safer platforms, increased equipment reliability, endurance, and reduced maintenance costs. Facilitate the validation and incorporation of new technologies throughout the platform lifecycle. Enable early risk reduction and digital system maturation to minimise development time and costs. Enhance the effectiveness of coordination with Military Airworthiness Authorities. Allow the air forces of EU Member States and EDF Associated Countries to remotely configure customised platforms and assess operational effect. Revolutionise aerial system design and certification, enabling multi-functional and high-fidelity system design coupled to physical testing infrastructure, leading to improved system efficiency and reduced costs. **Objective:** Digital Twins (DT) are defined as validated virtual models of physical entities and processes, with the capability to be (seamlessly) connected, in right time throughout their lifecycles, enabling simulation, performance optimisation, and informed decision-making. A System of Systems (SoS) DT is a model that integrates multiple DTs of individual systems, subsystems, and components, providing a holistic, real-time view of the entire system behaviour, performance, and responses to various scenarios and conditions. The development of advanced fully coupled DT simulation capabilities is necessary to support the design of complex, high-fidelity aerial systems, and to facilitate the generation of certification-relevant data. This framework should comprise aerodynamic, structural, flight control system, general system, embedded software, and design capabilities from level zero to high fidelity modelling, offering the possibility to provide close and loosely coupled multi-disciplinary simulations, and provide full design gradients for multi-disciplinary numerical optimisation. The multidisciplinary analysis and optimisation capability is a design methodology for fast and reliable design space exploration, trade-offs, and requirements sensitivity assessment, hence, a key technology for modern aircraft development. DTs need to capture the complexity of the system being modelled and its surrounding environment, including the capabilities of Allied Nations. Potential benefits of DTs for military applications include: Increase fleet availability and reliability by enabling better maintenance planning and reducing the occurrence of unanticipated damage findings. Improve product development and reduce lead time for the new military systems. Ensure fleet safety by providing better information on the condition of each individual asset. Incorporate added capabilities to provide operational superiority. Reduce maintenance costs by increasing maintenance interval, reducing inspections and maintenance labour. A key objective of this call topic is to explore the benefits of applying DT technologies across the entire lifecycle of military systems, from design and development to operation and maintenance. This includes investigating how DTs can improve the efficiency,

effectiveness, and interoperability of systems throughout their lifespan. The research also aims to examine the flow of digital data across different stages of the lifecycle, as well as between various domains, such as: Lifecycle phases: How digital data can be seamlessly shared and utilised across different stages, e.g., from design to software development to mechanical engineering. Application domains: How digital data can be integrated and leveraged across different areas, such as system operation, logistics, and maintenance. Information spaces: How digital data can be shared and utilised across different information systems and platforms, ensuring interoperability, and reducing silos. Specific objective To address the interoperability challenges of DTs in a global context, it is essential to develop a robust reference architecture that can handle the complexities of exchanging, sharing, and reusing information across diverse systems and nations. The key issues to be addressed are the following: Effective Information Exchange is challenging because of use of diverse data formats and standards, variations in modelling techniques and simulations tools (esp. considering sensor networks). This should be addressed through improvement of standardisations, implementation of middleware solutions and data catalogues. Coordination and Enrichment of Simulations: the main challenge is the need for faster than real time data integration from multiple sources and ensuring data consistency. These should be addressed through the creation of a federated architecture, data orchestration and cross-domain ontologies. Security of Information Exchange to protect against cyber threats. Data should be secured both during transfer and storage. Therefore, following technologies must be considered: encryption, access control, Intrusion Detection Systems or use of block chain technologies. Coherent Data Analysis, Storage, and Discovery where the main issues are about managing large volumes of heterogeneous data, handling high-resolution sensor data from multiple sources, and ensuring its quality and consistency. The proposals must address the use of cloud storage for raw data, structured data as well as big data analysis, metadata management, and use of AI and Machine Learning for data cleaning, integration and predictive analytics. Development and Validation of Models where the main challenges lie in ensuring accuracy, reliability of physics based and data-driven models and calibration with real-world data. The following technologies and approaches should be considered: Hybrid modelling approaches, model validation frameworks, continuous learning, and collaborative platforms. Explore the DT potential in non-technical areas, such as managing cost overruns, reporting progress, and coordinating multi-national capabilities. A common model database, featuring constructive entities and terrain data, can facilitate data sharing and reuse, enhance collaboration, and boost efficiency. This requires understanding data ownership, sovereignty, and sharing concepts to ensure effective management and protection of critical data assets. The final outcome of this proposal should be a demonstration of a system of system DT that showcases the functional requirements listed further below on one or a few fully described use case(s) for which the consortium can demonstrate to have access to all the necessary data. Scope: The proposals must address the study and design of a SoS DT, in a modular way (sub-systems level), in order to enable a gradual and progressive development. Priority should be the development of modules related to the modelling of aerial systems and their integration in a digital rig, with a view to certifying these integrations of systems and subsystems. Further modules should be developed and coupled towards reaching the goal of obtaining a DT at the aerial system level. This modular building up could benefit complementary developments for other weapons systems. Different levels of interdisciplinary coupling strategies are required depending on the relevant involved disciplines. Depending on the aerial system type, exploiting the interaction between aerodynamics, structure, control laws, general systems, control software, manufacturing and performance analysis (mission and point performance) is crucial, in order to achieve an optimal design and significantly de-risk the programme overall. The DT should be able to couple with physical tests and easily integrate derived data-driven models. Furthermore, the DT should be able to estimate platform behaviour when stimulated in a virtual environment, as to forecast possible integration issues and evaluate different architecture and solutions to de-risk development of system-details and physical testing. Simulation data management must ensure data consistency across the design cycle. Any needed High-Performance Computing (HPC) architectures should be accessible. In order to achieve a DT that is highly realistic and has a robust predictive capability, the underlying modelling and computational technologies must be developed, tested and validated against representative data. The focus of this activity should encompass the entire spectrum of the systems development life cycle. Therefore, a demonstration of a concept for real-time interconnection of individual DTs of military assets with a monitoring and diagnostic dashboard is essential. This should include a framework for data transfer and feedback loops. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Studies: Creating a concept of operations (CONOPS) for a fully

coupled DT system for a multi-functional and high-fidelity aerial system design, consider the following aspects: System Architecture. Modelling and Simulation. Data Management. Cybersecurity. Information Exchange. Virtual Environment. User interfaces. Certification and Validation. Interdisciplinary Collaboration. Scalability and Extensibility accommodating new generation assets (manned or unmanned) and technological novelties. Non-technical Applications: Investigate the DT's usefulness for non-technical aspects, such as cost-overrun and progress reporting, and consider the benefits of a common model database for constructive entities, terrain data, and addressing data ownership, sovereignty, and sharing concerns. Exploring use cases beyond those identified in the proposal covering the lifecycle of weapon systems, such as Product Development, Acceptance Test, Supply Chain, Maintenance (PLM), Training, Fleet Supervision, Operational Support, Mission Planning, Product Improvement, Lifetime Evaluations and Extensions, Retrofits, and the benefits of these use cases, while overcoming current challenges in implementing DTs in the military air domain, and issues related to accessibility of information, such as data ownership, intellectual property rights (IPR), concurrency, and synchronisation between subsystems. Design: The architecture of the digital and fully coupled DT system for a multi-functional and high-fidelity aerial system design must focus on the following aspects: Common Assets: Implement a SoS DT with a modular, scalable, and standardised approach to ensure interoperability across various aerial system components and subsystems. Modularity: Design the DT system to be modular, enabling gradual and progressive development, focusing on the modelling of aerial systems and their integration. Scalability: Ensure the DT system can accommodate new generation assets (manned or unmanned) and technological novelties like Big Data, AI, and XR, cloud architecture solutions, tactical data links, and LVC interoperability solutions. Standardisation: Establish standardised information exchange, data formats, and ontologies to facilitate faster-than-real-time data integration from multiple sources and ensure data consistency. Communications Backbone System: Develop a communications backbone system model that supports real-time data transfer between the DT and other system components. A comprehensive data storage and transfer concept addressing: Data Compression: Establish a data compression system that supports various data formats, resolutions, and compression concepts based on sensor accuracy and use case. Data Model Definition: Define a data model that covers not only metadata but also data governance, including capturing, logging, and datatype (e.g., type: Date) to enable big data fleet analytics. Data toolsets: such as data recorders, data players, application launchers, and scripting interpreters. An initial demonstrator of the system of system DT which includes: A simulation communications backbone system demonstrator, serving as the basis for a European Defence Standard of communications systems. A set of high-fidelity generic models that demonstrate the feasibility and benefits of a generic DT concept, across the systems development life cycle and for users in operation and lifecycle evaluation. The ability to work across the systems development life cycle and provides benefits for users in operation and lifecycle evaluation. 2 independent tests of the demonstrator using real operation data from military assets, focusing on its effectiveness and performance. In addition, the proposals should cover the following tasks: Studies: Development of a technology maturation roadmap for DTs in Aerial Systems, investigating cost-saving potentials due to Model-Based System Engineering (MBSE) approach and DT technologies. This should include future mission scenarios of the lifecycle military assets. Design: Elaboration of a proposal for DT standards: Standardise event lists (log files). Standardise data formats. A concept for design evaluation based on data production, covering a design model for lifecycle evaluation/lifetime evaluation of a component. A concept to evaluate the required numbers of measurements and locations for operation supervision and lifetime evaluation of Aerial Systems. A complete list of components and sub-components, a measurement list and Process & Instrumentation Diagram for the use case of the proposal, including all sensors. Develop a comprehensive data catalogue structure for aerial systems, aligned with international standards ISO/TS 16952, EN 61346-2 and EN 81346-2, which covers: A hierarchical structure with multiple aggregation levels, including: Nation level. Fleet level. System level. Functional overall system level. Sub-system level. Signal identification level. A unique measurement identification system for each sensor or tag at the nation level, ensuring precise tracking and organisation of data from individual sensors/tags to the national level. a concept for DT models that integrate multiple approaches, including: Maths and Physics-Based Models Data-Driven and Calibrated Models The concept should also include a validation strategy to ensure the reliability and effectiveness of both types of models in operational environments. In addition, the proposal may cover: Studies: Elaboration of recommendations for a European Defence (Aircraft Simulation) DT Model Office in order to share generic models which are not subject to security or export control but improve the speed of development new simulators/prototypes or DT creation. This should include the definition of functional requirements of a number of high-fidelity generic models that could be reused by the defence industries in order to be cost effective and improve the interoperability. Guidelines for: Architecture of DT and the designation of all measurements on fleet perspective. DTaaS concept (DT as a Service). The proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of simulation, notably those described in the call topic EDF-2022-DA-SIMTRAIN-MSSI related to Modelling, simulation and simulator integration contributing to decision-making and training . Functional requirements The proposed product and technologies should meet the following functional requirements: Detect and assess damage and optimise aerial systems capabilities by Identifying key features in data. Integrating on-board diagnostic, prognostic, and early-warning functions to ensure reliable performance in various operational, loading and environmental conditions. Achieving high accuracy and low false alarm rates. Consider human factors in multi-level data analysis for various users, including: Aerial Systems or crew. Onshore/Air Force base maintenance services. Fleet management teams. Use Model-Based Systems Engineering (MBSE) to: Simulate system behaviour. Analyse the impact on: Requirements. Functional domain. Logical domain. Physical domain. The system should integrate the following components and capabilities to enable real-time platform

health monitoring and predictive maintenance: Industrial IoT Technologies. Sensor Integration. Operator interfaces. Data Lake/Cloud infrastructure. AI-Based Analysis Capabilities. Condition Monitoring. Component/System Failure Modelling. The system should be upgradable and flexible, demonstrated through: Modular Design and DTs: Showcase the ability to upgrade and modify the system using DT technology and modular design principles, ensuring that changes can be made quickly and efficiently. Continuous Deployment: Demonstrate the capability to continuously deploy software systems in both the DT environment and on-board, ensuring that updates and new features can be added seamlessly. Easy Integration of New Functionalities: Show that new digital capabilities and functionalities can be easily added to the system without disrupting existing operations, thanks to the use of shared standards for data and interfaces. The system should provide a collaborative environment that enables the following data management capabilities: Comprehensive Data Storage: Store all-time series data from the deployment system, including operational data such as raw and processed measurement data, high-frequency data (>1000 Hz). User-Adaptable Data Management covering prioritisation, resolution and adaptation to changing requirements. Time Series Data Storage: Store data in time series format, taking into account physical constraints up to measurement accuracy. Data Compression: Enable data compression for efficient storage. Unified Data Backbone: Transfer all-time series data on a single, unified data backbone. Big Data Analytics and DT Enablement: Store all data, including raw time series data, from Aerial Systems to enable: Big data analytics. Future DT technologies. Data Transfer to Global Storage Centre: Enable the transfer of all stored data from the deployment system to a global data storage centre, such as a Cloud or Data lake. Real-Time Data Transfer: Enable the state-of-the-science transfer of real-time data from the deployment system to a global data storage centre. The digital architecture of the DT solutions should meet the following functional requirements: Design Modular design principle to ensure flexibility and scalability. Use open standards for: Hardware. Software. Infrastructure. Implement modern Service-Oriented Architecture (SOA) principles. Employ Modelling and Simulation as a Service (MSaaS) standards. Adopt DT as a Service (DTaaS) approach. Ensure open standards for interoperability with NATO and national systems (e.g., HLA/DIS/BOM), both military and civilian. Provide state-of-the-art, intuitive graphical user interfaces (GUI) to support: Analytics. Operational needs. Training. Decision-making. Resilience Identify architectural principles to mitigate the impact of undesirable events (e.g., combat damage, loss of power, cyber-attacks) and ensure: Fast recovery. Core functions in degraded mode. Minimal disruption to operations. Security Define and select common architectural principles to maximise security against: Cyber threats. Physical threats. Ensure the safety of the infrastructure for the asset itself. Sustainability Operational Availability: Maintain the architecture's operational availability at reasonable costs through: Maintainability. Obsolescence management. Resource Optimisation: Optimise resource usage through: Lean architecture. Energy optimisation. Ensure the architecture can evolve and integrate future technologies and architectural patterns. To ensure the quality and reliability of the DT solutions, incorporate the Verification and Validation (V&V) concept to: Define the V&V process and quality standards at the proposal outset. Standardise the V&V process and documentation across industry members. Conduct the V&V process independently of developers. Ensure transparent and comprehensive documentation of model validation. Artificial Intelligence (AI) Requirements Artificial Intelligence (AI) capabilities that enhance decision-making speed, develop behavioural models, and analyse time series data: AI-enhanced Decision-Making. AI-based Behavioural Models (civilian and military). AI-based Time Series Data Analysis: Leverage modern AI analytics to analyse the complete history of time series data. These AI-based capabilities are to extend the surveillance and operational capabilities of each individual system, allowing for: Sub-component specific analytics: Analyse the performance of individual components within a system. Fleet-specific analytics: Analyse the performance of entire fleets of systems.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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Budget Overview

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Live, Virtual, Constructive training interoperability – Joint operations and service-specific solutions

General Info

Topic ID : EDF-2025-RA-SIMTRAIN-LVC-STEP

Summary : Live, Virtual, Constructive training interoperability – Joint operations and service-specific solutions **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-SIMTRAIN-LVC-STEP>

Description

Expected Impact: The outcome should contribute to: Structure and develop a European ecosystem to support simulation technology for military usages. Establish an EU roadmap for MDO LVC in a multi-national context. Identify and address specific LVC interoperability challenges and gaps in order to establish a cost-efficient LVC training capability for MDO in a multi-national context. Incrementally increase the interoperability of LVC training systems - current and future – to enable the EU Member States’ and EDF Associated Countries’ armed to “plug and train” efficiently. Improve the capabilities and effectiveness of On-Board and Ground Training systems by identifying specific LVC challenges and addressing the gaps of federated LVC solutions to promote interoperability, integration and MDO in a multi-national context. Integrate and develop advanced training concepts by adopting novel technologies allowing a proper coverage of

emerging needs of a MDO in a multi-national context. Promote convergence on training standards and certifications to foster interoperability of EU Member States and EDF Associated Countries. Better use of resources (single and multiple domains and assets). Harmonise the EDTIB processes and methods for the development of LVC simulation capabilities. A more effective, efficient, cost-effective, and sustainable Multi Domain Operations combat training and mission rehearsal. Increase the multinational and multi-domain training activities while at the same time improving the corresponding lessons-learned process. Objective: Live training is paramount to conduct realistic multi-domain operations (MDO) training in a multi-national context. Creating a realistic joint training environment is however challenging due to aspects such as limitations in access to training areas, the number of available real assets and the need to protect information regarding tactics and system capabilities. Live, Virtual and Constructive (LVC) technology has a clear potential to be important to perform cost-efficient Multi Domain training by alleviating some of the above limitations. An integrated blend of real platforms (Live), simulators (Virtual) and computer-generated players and targets (Constructive) is developing rapidly. Various recent technologies such as modern communication systems, security solutions and eXtended Reality (XR) also show potential for further enhancing Live as well as Virtual solutions, facilitating flexible use of LVC for training participants. Using LVC in Multi Domain Education and Training reduces operational risks and enhances decision support. Specific objective A major challenge is to design and evaluate LVC-training to ascertain training value to both Live and Virtual participants. While there are many efforts in the development of LVC technology in different domains (e.g., UCATT for land, Distributed Synthetic Training (DST) and Tactical Data Links for the air domain) there is a need to address interoperability in a MDO context and the implications they pose on the current virtual and constructive simulations and the need for common services (Modelling and Simulation As A Service MSaaS). The maturity of standards varies across the different domains (i.e., land, maritime, air, cyber and space), challenges remain to achieve a mature level of interoperability of different Live, Virtual and Constructive entities across EU Member States and EDF Associated Countries and industries. There is an urgent need to investigate how to develop a continuous, scalable and flexible learning environment that integrates LVC capabilities seamlessly for persistent training, exercises, and rehearsal in a cost-effective way. This is to be realised through: Development of a roadmap for an interoperable, flexible, and cost-effective Multi Domain Operations LVC training capability by exploiting current training environments and ongoing LVC activities. An LVC Reference Architecture, which is needed to incorporate the Virtual and Constructive simulated world into the live assets. Interoperability standards for LVC systems (e.g., communication, dissemination, service sharing, cyber security) are essential. Therefore, an Open System Architectural approach and standardisation of data exchange is needed to enable multi-domain combat simulation and provide a common entry point and common processes for proprietary systems. Scalable and extendable to integrate new generation assets (manned or unmanned) to implement and enhance several mission management functions. Tightly integrated operation of manned and unmanned assets or intelligent integration of heterogeneous data, improving the overall operational performance of each asset and its perception of the rapidly evolving tactical environment. Executing training and operating in a more distributing environment, in various more integrated tactical scenarios, including advanced cooperative crewed and un-crewed platforms operations This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: Proposals must investigate solutions in the training and simulation area. Proposals must identify current challenges in Multi-Domain Operations (MDO) Integrated LVC in a multi-national context, and more specifically identify state of the art, research gaps, needs and requirements. Proposals must aim to further research a subset of those challenges found, for a chosen specific use case(s) by achieving an increment in the maturity of the LVC training paradigm and assessing its training value focusing on MDO in a multi-national context. Proposals should consider concepts and manned and unmanned combat platform to be operated by the EU Member States and EDF Associated Countries, from current or emerging to next generation combat systems in Europe. Proposals should take into account the foreseeable evolution of mission systems, aiming at standardised effector interfaces and consolidating common and harmonised processes for the operation of relevant simulation technologies at EU level. In addition, proposals must ensure compliance with NATO standards and other possible coalition situations. This should allow for extended interaction between a variety of collaborative assets used in different operational domains. Finally, the proposals should demonstrate LVC growth capabilities integrating new generation assets, technological novelties like Big Data, AI and XR, cloud architecture solutions, tactical data links and LVC interoperability solutions. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (optional) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies

No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Design: Design and demonstrate technological novelties aiming at improving the training realism and efficiency. Design and demonstrate examples of customised solutions to enhance the current training systems capabilities considering the operational needs and the outcome of above activities. Demonstration and evaluation of a representative MDO combat training scenario in a multi-national context. In addition, the proposals should cover the following tasks: Studies: Identify state of the art, research gaps, needs and requirements of MDO Integrated LVC in a multi-national context, including: Identification of gaps in LVC training technologies, technological enablers, and standardisation. Identification and analysis of the state-of-the-art LVC system architectures in the different domains across EU Member States and EDF Associated Countries. Identify security (cyber security and cyber defence) and technological gaps, which preclude the interoperability of live tactical data links (e.g., Link 16, Link 22, ADS-B, AIS) in the LVC training network. Survey on potential application of disruptive technologies (such as Extended-Augmented Reality, Big Data Analysis and Artificial Intelligence). Identification of the specific interoperability challenges in live systems integration in a MDO multi-national context. Considerations must be given to evolve or integrate legacy solutions. Identification of how current Distributed Synthetic Training (DST) capabilities and Virtual and Constructive assets need to evolve in order to meet the fidelity requirements posed by integration with live assets/platforms. Identify how future LVC capabilities may benefit from using an Modelling and Simulation as a Service (MSaaS) approach in order to implement common services such as terrain and weather services, damages services as well as system initialisation services. Achieve an increment in the maturity of the LVC training paradigm and assessing its training value focusing on MDO in a multi-national context, including: Integration of LVC training on operational, strategic, and tactical level. Technologies and interoperability standards for Multi Domain Operations Combination of LVC entities to give efficient and effective training effects. Design of training scenarios and approaches, including preparation, execution and management, and evaluation. Methods for measurement and evaluation of training value and performance Survey on the potential of live training areas in EU to integrate LVC technologies and migrate to a future integrated LVC training area which should ultimately lead to a future common EU training facility. The proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of simulation, notably NATO and EDF simulation activities. Functional requirements The proposed product and technologies should meet the following functional requirements: Interoperability of heterogeneous systems (from existing to next generation systems, manned and unmanned), including when in coalition situations with EU Member States' and EDF Associated Countries' forces and NATO forces, allowing to perform different missions with System of Systems approach. Common scenario synchronisation protocol and communication service are to be used. Interoperability with maritime on-board training systems, air embedded training systems and instrumented live training systems for the land domain as well as Distributed Synthetic Training (DST). Be applicable for the design of mission system for next generation combat assets and the upgrades of legacy combat systems. Enhanced visual capabilities with eXtended Reality to improve trainees' immersion (e.g., visual, stimulated onboard subsystems) Enhanced training capabilities including adaptive training using new technologies (e.g., big data analysis and AI). Increase connectivity between live and virtual platforms and interconnection of tactical Data Links with Live dedicated training platforms.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Autonomous triage and evacuation

General Info

Topic ID : EDF-2025-RA-MCBRN-ATE

Summary : Autonomous triage and evacuation **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-MCBRN-ATE>

Description

Expected Impact: The outcome should contribute to: Increase knowledge on technology and requirements and accelerate the development of life-saving technologies by capitalising on the unmanned vehicle development and develop complimentary defence medicine related autonomous functionalities. Proof-of-concept demonstrations highlighting the possibilities and potential limitations with autonomous vehicles for casualty transportation and triage. Create an R&D technology development roadmap for RAS CASEVAC platforms. Improve accuracy and speed in locating and evaluating casualties. Reduce risk exposure for combat medics and medical personnel. Human-machine teaming technology development. Dismounted soldier system development. Ethically acceptable decision algorithms. **Objective:** General objective Large Scale Combat Operations (LSCO) between peer adversaries can result in mass casualty scenarios where the need for casualty care and evacuation dramatically outstrips available medical resources. Unmanned air, ground and sea vehicles could significantly improve evacuation capacity and enable rapid automated or fully autonomous battlefield triage, also under Chemical, Biological, Radiological and Nuclear (CBRN) conditions and in high intensity fighting areas, resulting in faster and more efficient care, increasing life and limb saving opportunities in the early stages of the evacuation chain. This call topic therefore addresses the urgent need to develop and validate innovative Robotic and Autonomous System (RAS), i.e., autonomous and robotic-assisted capabilities that address the specific challenges of military battlefield triage and evacuation in mass casualty scenarios, including CBRN contamination and ongoing high intensity fighting spots with limited or no access of first responders. **Specific objective**

The development of unmanned military platforms for surveillance, reconnaissance and kinetic attack missions is progressing rapidly. Unmanned systems have the potential to substantially increase the RAS CASEVAC evacuation capacity in mass-casualty scenarios, including CBRN contamination and ongoing high intensity fighting areas with limited or no access of first responders, and to expedite the triage, diagnostic and initial treatment process from the point of injury. The concept of autonomous triage in LSCO should be based on life threatening indicators as a minimum (i.e., covered in the START algorithm). However, the realisation of such capabilities requires development of dedicated solutions that provide innovative damage site inventory of casualties, extraction, and unmanned systems (various platforms) with the ability to monitor and assess the health status of injured soldiers and adapt their behaviour accordingly. RAS CASEVAC platforms need to be able to continuously adapt their route and speed to all environment and weather conditions, unexpected events, threat level and the condition of on-board patients, while providing physical protection. Scope: This call topic targets two technologies that have the potential to save lives in LSCO mass-casualty scenarios, namely: (i) RAS within the CASEVAC system including autonomous battlefield triage, and (ii) autonomous CASEVAC system improving the overall logistics chain to/from the battlefield. The required novel functionalities include safe transportation of casualties to a suitable medical treatment facility following the golden hour timeline whilst providing a basic level of physical protection (towards shrapnel, small-arms fire and all-weather conditions) and patient monitoring. Proposals must address the development of a RAS CASEVAC multi-role approach. Time is of the essence in LSCO missions so the proposals must explore easy re-configurations concepts and compatibility between different payloads – medical and non-medical – through an Interoperable Modular and Scalable Architecture (IMOSA) approach. This allows quick interchangeability of components and interoperability between different missions for the autonomous platform, including a “plug-and-play” capability for (wearable) monitoring sensors and (wearable) patient care sensors, combined with remote patient assistance. Proposals must address RAS within the CASEVAC system including autonomous battlefield triage. Particular attention should be paid to trusted autonomy for effective networked and autonomous and automatic CASEVAC missions, including a swarm-based manned-unmanned teaming (MUM-T) in demanding denied/contested environments. The possibility of standardised interfaces should be explored to allow the integration of a variety of patient monitoring and CBRN-sensors to be used in different configurations depending on the CASEVAC mission, and to facilitate the use in defence, civil and dual-use configurations for efficiency in the logistics chain (evacuation chain). In addition, proposals may also address the potential synergy for use by law enforcement and other governmental use. Proposals must: Evaluate integration of sensors of the wounded soldier status during CASEVAC. This includes “plug-and-play” C2 to/from the chosen CASEVAC platform and integrate monitoring of patients during CASEVAC. Include a comprehensive model of the physiological evaluation of the casualties, which may be fed asynchronously with information acquired from the casualties health status and from the surrounding environment. Information needed to forecast the route and adapt the autonomous system behaviour in line with the degree of injuries. Evaluate integration of miniaturised sensors for CBRN detection and identification and monitoring (DIM). Define the specific autonomous platforms to be used to provide RAS CASEVAC and START capabilities. Proposals should also: Reflect on different concepts of autonomous triage from an ethical perspective, but also regarding the perspective of responsibility. The concept of autonomous triage in LSCO should be based, as a minimum, on life threatening indicators covered in the START algorithm. Address explainability of the forecasting and of the assessments obtained through automated procedures. Foresee detailed alternative approaches to the assessment of casualty status, especially in view of the lack of large databases on which Artificial Intelligence (AI)-systems can be trained. Increase the casualty evacuation capacity and the triage process expedition at the point of injury. Adapt to prevalent weather and environment conditions, threat levels, and the condition of on-board patients for autonomous casualty evacuation platforms, in addition to react to unexpected events that might happen in the local environment during navigation. Define methods to achieve physical protection for patients and systems during evacuation. Define methods to achieve platforms’ survivability. Address platforms’ reusability (e.g., CBRN DIM and decontamination). Examine the potential of fully autonomous battlefield triage, based on innovative AI-based algorithms. Remain operational in all weather conditions, including sub-zero temperature and snow-covered conditions. In addition, proposals may address: Real-time multimodal fusion of field-collected information to provide a comprehensive and accurate situational overview. Integration and suitable graphical tools for cooperation among different specialists, services and C2 systems, considering federated mission networking as standard for interoperability. Existing platforms (UxV) for surveillance, reconnaissance, and missions, as they relate to increasing evacuation capacity and expediting triage processes. Capability of autonomous triage and evacuation platforms’ self-defence (e.g., navigation in mined areas, C-UAS and MANPADS missiles self-defence). Types of activities The following types of activities are eligible for this topic: Types of activities (Art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible

component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Study: The feasibility of AI-based autonomous triage following the START algorithm, as a minimum. RAS CASEVAC in harsh conditions and across contested environments, where GNSS signal and communication links could be denied. Means to allow swift and safe casualty extraction from the ground and “hand-over” between different types of platforms and or operators. Automatic or autonomous functions to optimise platform behaviour (planning and operation) based on risk assessment and available (sensor) data considering: Patient condition and stabilisation efforts. Time to destination related to golden hour elapsed time. Patient condition deterioration related to speed dependent transport performance (e.g., risk of opening of wounds due to platform vibration, shorter route in difficult terrain vs. longer route in easy terrain). Resource management at destination. Threat level. Definition of the system and system of systems (swarming) architecture gathering functional and non-functional requirements for the individual systems (UAVs, UGVs, USVs) and the overarching system of systems, evaluation technologies, specifying swarming behaviours, ensuring interoperability with standards, and assessing risks. Design: Proof-of-concept technology demonstrations and evaluations of the (separate) developed functions for health status indicators. These should be performed in representative military scenarios. Autonomous triage reflecting START algorithm. Monitoring during RAS CASEVAC transport, multi-modal casualty transport with physical safety measures and adaptive behaviour. RAS CASEVAC. Showcasing the applicability of proposed solutions in military structures and the military decision-making process, by implementing them in the EU hosted wargaming simulation/exercise (e.g., by one or more partnering or associated Ministries of Defence, HEDI). Develop a proof-of-concept mission planning tool that integrates inputs from all systems to create a cohesive operational plan. Enable real-time updates to the mission plan based on incoming data and changing conditions. In addition, the proposals should cover the following tasks: Study: The feasibility of autonomous or robotic-assisted systems for initial stabilisation of casualties before extraction and transport, e.g., to control haemorrhage. Integration of commercial wearables into CASEVAC platform related to health monitoring of patients (health ring, electronic ID-tags, RFID-tags, smart-watches, smart-textile, etc). Design: RAS medication during transport based on the casualty monitoring data, according to the improved first aid spectrum, e.g., painkillers, CBRN medical countermeasures. Potential for a more autonomous battlefield triage, using innovative AI-based algorithms, should be examined. The proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of medical logistics, notably through EU funded actions related to mass casualties scenarios. Functional requirements The proposed product and technologies should meet the following functional requirements: Plug-and-play capabilities. Miniaturised sensors. Either stand-off (non-contact) sensors on a small UxV or Quadraped, or wearable biosensors that are already worn or autonomously (without human intervention) placed on the casualty during the triage process. Robust estimation of health status indicators and vital signs in realistic battlefield conditions, including day and night, on soldiers equipped with body armour and camouflage face paint and with body movements characteristic for injured soldiers. RAS battlefield triage (e.g., using innovative AI-based algorithms). RAS allocation of evacuation priority, at the point-of-injury (PoI) and casualty collection point (CCP), based on the estimated vital signs and indicators, using existing battlefield triage methods adhering to current best practices for mass-casualty triage. Autonomously detecting and localising casualties at PoI, in all weather and visibility conditions, using sensors on unmanned vehicles. Continuous monitoring of casualties during transport using body-worn wearables or stand-off sensors, including the ability to provide alerts if health status deteriorates. DIM of CBRN injuries including application and monitoring of indispensable antidote-therapy. Protecting casualties from harsh weather effects (rain, wind, extreme temperatures) and enemy fire during CASEVAC. Autonomous platform provided with onboard data processing to filter and preprocess data before transmission. Capability to real-time and low-latency communication link between the command centre and all deployed units. Integration of data from multiple sources to create a unified, coherent picture of the field situation. Ability to detect, classify, and track objects of interest (e.g., injured individuals, obstacles) with high accuracy. Coordinated triage actions between different platforms (swarming). Adherence to relevant standards and protocols to ensure interoperability with existing defence systems.

Conditions

Conditions

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2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes:
Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Propulsion system for next generation rotorcrafts

General Info

Topic ID : EDF-2025-RA-ENERENV-PSR

Summary : Propulsion system for next generation rotorcrafts **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-ENERENV-PSR>

Description

Expected Impact: The outcome should contribute to: Versatile European propulsion system to fulfil the increasing systems power demand. Affordable propulsive system such as cost competitive for the whole life cycle. Robust and reliable system with good maintainability, even when operating in harsh environments. Easy to maintain and repair such as supported by predictive maintenance tools (digital twin) and 3D intuitive documentation and instructions for

maintenance crews. Sovereign European propulsive solution for new rotorcraft applications. Reinforce the EU sovereignty and independence on these strategic platforms through the strengthening of the EU supply chain and integration of EU Member States' and EDF Associated Countries' system capabilities and provide a product free from export control restrictions by non-EU or non-EDF Associated countries. Objective: The objective of this call is to develop and mature the technologies required for a new state-of-the-art, breakthrough, affordable, efficient, and high-power (above 3000 shp / 2.237 kW) engine for future generation of EU military rotorcraft systems. Specific objective The objective of this research topic is to better understand and analyse the future needs EU Members States and EDF Associated Countries and the transition to future rotorcraft features, concepts, and capabilities, and to derive specific design parameters for next generation propulsion systems. Conception and pre-design of an alternative propulsion system for rotorcraft platforms must be performed. There are currently no civil applications for a turboshaft engine in the considered EU Next Generation Rotorcraft (ENGR) power range. Hence, there is a need to develop new relevant technological bricks for a European high-power engine. Indeed, the development of a new engine may be longer than for a new rotorcraft. It is therefore needed to work on both topics simultaneously and in a consistent manner so that effects of the engine are considered in the rotorcraft architecture and vice versa. Scope: The proposals must address: A new propulsion system for rotorcraft platforms with a breakthrough engine that closes the technological gap in the power-range above 3.000 shp / 2.237 kW. A significant increase of efficiency and performance indicators compared to the actual state of the art propulsion systems for rotorcraft platforms. Ensure that the propulsion system for rotorcraft platforms' architecture and power requirements match the requirements of the ENGR. Improve propulsion system for rotorcraft platforms' capabilities to meet military requirements for the future operations and particularly for multi-mission military rotorcraft (such as armed reconnaissance, strike, combat, and ordinary search-and-rescue (SAR), MEDical EVACuation (MEDEVAC), CASualty EVACuation (CASEVAC), utility, air assault and close aerial support) and flexible mission requirements, such as low emission signature, high operational availability, reliability and maintainability. Minimise deterioration caused by harsh environments (e.g., sand, dust, maritime, ice, snow, water, wide range of temperatures, etc.) Reduce fuel usage and ensure high power-to-weight ratio by a highly efficient thermodynamic cycle, for example, by ensuring a high-pressure ratio compressor, a high-temperature combustor and turbine, low-emission combustor, and highly efficient and light weight power turbine. To achieve this goal, an advanced fuel system as well as an advanced control and monitoring system must also be studied. Reduce costs through design concepts for minimum life cycle costs. Use green technologies aiming at significantly lowering CO₂ emissions on the entire lifecycle and notably improving sustainability and recyclability. Reduce the risk for the future full propulsion system for rotorcraft platforms development program as much as possible, thanks to early research and pre-development and maturation of key technological bricks. In addition, the propulsion system for rotorcraft platforms must be ready for the use of conventional fuels, Sustainable Aviation Fuels (SAF) and provide robustness for the usage of combustible fuels of lower qualities (e.g., higher sulphur content, impurities) in different regions of the world with anomalous specifications, e.g., Jet A, JP, SAF, Avgas, Mogas. Maximise operational usability by increasing times between inspections and overhaul. However, proposals should not address research activities on rotors, gearboxes and shafts and should be limited to the engine itself and its components (for example the fuel system as well as the engine control and monitoring system). Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies, including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies, such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Generating knowledge: Identification of hybridisation concepts that brings benefit to a rotorcraft (for example: micro-hybridisation, series hybridisation, parallel hybridisation, etc.) Identify new generation of materials for rotorcraft engines applications. Study on artificial intelligence (AI) for engine control and monitoring. Integrating knowledge: Preparation of technological and integration solutions for next generation propulsion system for rotorcraft platforms for military applications. These should be produced, developed, and manufactured with the objective of ensuring EU sovereignty and providing optimal performance and reliability for the targeted wide-range applications. Possibilities to integrate technological developments developed through other civil or military projects for a propulsion system with a reduced environmental footprint, through hybridisation solutions and operation with new Sustainable Aviation Fuels (SAF), but also allowing more autonomous operation. Studies: Maturation of technologies to achieve specific performance (aerodynamic, thermal, regulation system, potential hybridisation, or electrification of propulsion, etc.) at an affordable cost and easy to maintain. Scalability and dissemination of the results into other products and in various types of aircraft and/or platforms. Study of an engine design adapted to a variable-speed rotor helicopter. Study

on improved engine & fleet management and on concepts for adapting civil engine fleet management systems on military applications for improved availability and reduced life cycle costs (LCC). Cost-benefit analysis and forecast of effects on maintenance-effort for each technology. wide usage of 3-D-printed components and novel manufacturing processes associated with innovative repair solutions. Design: Design of a propulsion system for rotorcraft platforms that fulfils the requirements mentioned herein. Possibility to perform real-time engine monitoring, trouble shooting and predictive performance and maintenance in deployed operations with remote assistance through virtual reality, augmented reality tools by using a digital twin and AI-based prediction tools. Troubleshooting, predictive performance and maintenance should also be operative offline for some specific operations when external communication is not allowed or not possible. Design an engine with very simple and lean maintenance: Highly connected engine with data-driven services for highly predictive maintenance and condition-based maintenance. Extended life for engine components and equipment. Standardisation and significant reduction of parts, devices, and modules. Any other solution that must contribute to optimise lifecycle costs, such as advanced fuel, control, and monitoring systems, that includes new fuel pump technology to provide increased fuel flow, higher accuracy of the fuel metering system to deliver the required performance (unprecedented power density, responsiveness...) and new control laws to deal with a hybrid-electric propulsion system. In addition, the proposals may also cover the following tasks: Study of the technologies developed in the frame of this call, as they may also benefit other propulsion solutions and different rotorcraft applications. The proposals must substantiate synergies and complementarity with foreseen, ongoing, or completed activities in the field of military rotorcrafts, notably those described in the call topic EDF-2021-AIR-R-NGRT related to Next Generation Rotorcraft Technologies and EDF-2024-DA-AIR-NGRT related to Next Generation Rotorcraft , to ensure that the engine and the rotorcraft architectures remain consistent. Functional requirements The proposed product and technologies should meet the following functional requirements: Scalable technologies to cover a power-range above 3.000 shp / 2.237 kW. Specific Fuel Consumption (SFC) reduction by 25 to 35 %, compared to in-service engines of the same power class. Horsepower to weight ratio best in class at the time of its entry into service. Lower production and operational costs compared to what the future competition could offer thanks to new manufacturing processes and means, innovative maintenance concepts and high level reliability/ availability of the engine components. Substantially reduced aircraft fuel burn and hence CO₂ emission, compared to the actual standard. Compatible with current and future Sustainable Aviation Fuels. Very high level of availability in all military operating conditions. Capacity to operate in harsh environments (e.g., sand, dust, maritime, ice, snow, water, wide range of temperatures, etc.) without significantly degrading the engine performances and availability. Improve the engine robustness to make the engine safer, more reliable, and simpler to operate. Reduced detectability and increased survivability (i.e., very low infrared (IR) and noise signature). Higher electrical power capacity for future on board systems and hybridisation requirements. With regards to the propulsion system (twin-engine system), it must allow the crew to cruise on a "single engine mode" as a normal operating mode of the helicopter.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Naval hybrid propulsion and power systems

General Info

Topic ID : EDF-2025-LS-RA-SI-ENERENV-NH2PS-STEP

Summary : Naval hybrid propulsion and power systems **Status** : Open

Deadline model : single-stage **Deadline** : 2025-10-16T00:00:00.000+0200 **Start Date** : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-SI-ENERENV-NH2PS-STEP>

Description

Expected Impact: The outcome should contribute to: Accelerate the adoption of commercial high-tech propulsion and power system components. Technology implementation on naval vessels and the accelerated development, prototyping and demonstration of a number of crucial propulsion and power system technology building blocks. Accelerate the future research and development programmes of on energy conversion systems. **Objective:** The EU has set the ambition to be carbon neutral by 2050. This objective also affects military naval vessels. Most efficiently produced carbon-neutral fuels such as hydrogen and ammonia have an energy density, safety and toxicity that does not allow its application on frontline naval vessels, such as frigates and corvettes, as it would affect their ability to operate autonomously, with minimal logistic supply lines and impede the resilience against damage due to the explosivity or toxicity of the fuel. Fluid fuels, such as methanol, could be applicable to certain types of naval vessels with limited autonomy requirements or during peacetime operations, while frontline operations would be best sustained with a zero-emission long-chain synthetically produced fuel, such as sustainable aviation fuel. This drives the need to reduce the impact of sustainable fuels on naval propulsion and electrical power systems. The use of expensive long chain e-fuels and less energy-dense e-fuels, such as methanol, urgently requires an increased energy efficiency of the propulsion and power plant. Moreover, commercially developed technology, such as electrical propulsion systems, novel SiC based power-dense power electronics, DC power systems, fuel cells and energy-dense storage devices (e.g., Li-ion batteries, super-capacitors, flywheels, etc.) with higher capacity provide an opportunity to increase the efficiency, range and life cycle cost of propulsion and power systems, and

to improve its military performance criteria, such as noise, infrared and electromagnetic signatures, power density, power system resilience against shock and battle damage. However, to achieve this, these systems need to be developed for military application and integrated in a naval vessel and its propulsion and power system. This call topic aims to address the design of a prototype, the testbed and general architecture for a future modular and hybrid propulsion systems, hybrid DC power systems and their components for military application, while performing its system integration in a combined digital and physical development environment. These novel propulsion and power systems can achieve reduced Green House Gas (GHG) and hazardous emissions from well-to-wake in peacetime and can power wartime missions effectively with maximum autonomy at sea, survivability and minimal and controllable noise, infrared, electromagnetic and radar-cross-section signatures. To achieve these benefits, mostly civilian developed technology needs to be navalised and effectively integrated in the naval propulsion and power system. These naval propulsion and power systems aim to serve a wide spectrum of naval vessels ranging from small and lightweight high-speed combat vessels, slow speed manhunting vessels and motherships, medium- and high-speed frigates, through to high-speed air-defence destroyers. These vessels have in common that they serve a wide range of propulsion systems, diverse variable speed drives and many DC combat system loads and therefore could all benefit from modular and scalable hybrid propulsion systems and hybrid DC power systems. Specific objective In many commercial applications, continually increased power density of electrical motors, generator units and power electronic converters is achieved. Due to the enormous diversity of naval vessels, these novel technologies for propulsion and power generation are only very slowly implemented on naval vessels, while its urgent need increases rapidly. Novel technologies in modelling and simulation of these systems, including data-driven methods as developed in the civilian sector, allow the systematic development, testing and demonstration of these technologies for integrated hybrid propulsion and hybrid power system. Moreover, various components developed and tested at dislocated physical test-facilities at various scales can be tested, demonstrated, and validated in a combined digital twin and physical power hardware in the loop environment. This can provide the necessary steps towards implementation of the technology researched in the innovative propulsion call, for which industry currently prepare their proposals. This approach allows to more rapidly pull-through commercially developed technology to military application for the following specific naval challenges: DC electrical power systems can be applied to reduce the number of conversion stages in electrical systems with increasing amounts of variable speed drives and high-power DC sensor and weapon systems. The growing need for electrical power requires a technological effort to increase the working voltage for DC shipboard grids. Moreover, novel DC power systems can increase the power system resilience by the application of fast acting power electronic based or hybrid switches and novel fault protection strategies. A modular, scalable hybrid propulsion and power system can enable the integration of diverse power sources such as dual fuel engines, gas turbines, fuel cells and batteries. For low and medium speed engine, technology is available for diesel methanol dual-fuel combustion engines. However, for power dense and silent high-speed engines dual-fuel combustion engines still need to be developed, tested, and integrated, with a specific focus on establishing the optimal operating point for efficiency, signatures, and its response to dynamic loads. While fuel cells are introduced in special maritime applications, like submarines or Autonomous Unmanned Vehicle demonstrators, the harsh dynamic loading, necessary reformer and shock requirements of surface vessels require specific design and integration changes for military applications and test and demonstration in an integrated hybrid power system. The integration of batteries can provide an energy source to provide power to highly dynamic loads, provide a back-up power source for power source failures and achieve a very silent low speed purely battery-electric operation. The integration of both low-flash-point fuels and energy dense battery systems requires specific integrated safety solutions to prevent fires and limit the impact of potential incidents, with a specific focus on military application. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of clean technologies. Scope: Proposals must develop of a joint digital simulation environment using the knowledge gained from the civilian sector and several commercial national and EU research programmes. In addition, the proposal must develop a methodology to utilise various dislocated test facilities across Europa to evaluate the component behaviour (subsystems/components de-risking) and improve its system integration and control with a specific focus on military performance criteria such as autonomy at sea, survivability and minimal noise, infrared, electromagnetic and radar-cross-section signatures. Moreover, the proposal must develop, prototype and demonstrate an integrated DC power system architecture with its fault protection, control strategies and components, with a focus on energy efficiency and military signature requirements. Furthermore, the proposal must also develop, prototype and demonstrate power sources, such as high-speed dual-fuel combustion engines, gas turbines on sustainable fuels, fuel cells and batteries. In addition, proposals may address the development of AI controllers based on physical models to optimise the behaviour of the DC architecture in terms of energy and fuel consumption and GHG emissions reduction, with the focus on military requirements on safety and operation. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (optional) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (optional) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e)

System prototyping of a defence product, tangible or intangible component or technology No (mandatory) (f) Testing of a defence product, tangible or intangible component or technology No (mandatory) (g) Qualification of a defence product, tangible or intangible component or technology No (mandatory) (h) Certification of a defence product, tangible or intangible component or technology No (mandatory) (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No (mandatory) Accordingly, the proposals must cover at least the following tasks as part of mandatory activities:

Studies: Conduct research studies on novel concepts for propulsion and energy systems in future military vessels, with a focus on improving all functional requirements. In addition, the proposed studies should be justified and benchmarked against established functional requirements for military ships of similar size and mission profile. Study, investigate and recommend possible standardised DC-grid Low Voltage (LV) and High Voltage (HV) power quality requirements that should facilitate the use of commercial and military equipment (HV and LV as defined by IEC). Study and simulate the DC-grid behaviour in various fault conditions in order to establish the system power quality envelope, such as arc flash, selectivity, grounding faults. Study and investigate possible LV-/HV-shore connection system, DC-AC and DC-DC. Studies on the Low Voltage (LV) and High Voltage (HV)-DC-grid response to peak energy demands caused by e.g., direct energy weapons, high energy lasers. Studies on the power quality and fluctuations in the Low Voltage (LV) and High Voltage (HV)-DC-grid during peaks of energy demands. Study and demonstrate the various concept for alternative fuels / energy systems for Navy vessels, taking into account multinational operations including replenishment at sea operations. Simulate and demonstrate the different energy conversion methods. Simulate and demonstrate the difference in the energy conversion methods taking into account signatures, ramping up speed, exhaust gasses and fuel consumption. Study and analyse the logistic support chain of alternative fuel / energy system challenges. Analyse the environmental impact/possible benefits via a (comparative) Life Cycle Assessment. Study and investigate new strategies and technology for energy monitoring and energy optimisation onboard military ships. Study the integration of a robust and silence gearbox in the hybrid propulsion system taking into account increased military performance, energy density of the complete system and optimal speed selection.

Design: Adapt and demonstrate power sources for military purposes. Develop innovative designs for complete propulsion and energy systems tailored to military vessels with different mission profiles, focusing on improving all functional requirements for future naval vessels of different sizes. In addition, the proposed designs should be fully justified and benchmarked against established functional requirements for military ships of similar size and mission profile, to ensure a robust and optimised solution. Investigate dual/multi fuel high speed diesel engines utilising alternate sustainable fuels. Design and demonstrate novel power dense converter technology, based on novel SiC based electronic components. Design and demonstrate novel DC system architectures (MW-scale) and its fault protection strategy using both converter based and hybrid mechanical and power electronic switches. Design and demonstrate advanced control strategies for fuel, emission, and signature optimisation. Design and demonstrate integrated power system architectures and its power hardware in the loop development and testing strategy. Design and demonstrate a redundant architecture LV/HV DC-grid systems based upon novel technologies. Design, validate and demonstrate digital twins for propulsion and power systems with validation from test facilities and real vessels. Design of a testbed for systems that have large HV DC request, such as direct energy weapons, etc., which allows obtaining information about the DC-grid response and the elasticity of the grid. In addition, the proposals should cover the following tasks:

Generating knowledge: For all components, identify criticalities regarding materials' supply and study mitigation measures (including but not limited to substitutes – explaining potential limitations, circular management of components and recycling). Investigate DC LV/HV ground faults, and their effects on ship corrosion including the impressed current cathodic protection system. Investigate and recommend philosophy and "best practice" design for monitoring of DC LV/HV ground faults. Investigate "best practise" philosophy, design and trade-offs with ground faults, EMC filters and ship corrosion for DC grid systems. Investigate personnel safety for LV/HV DC grid. Investigate the hazards imposed by the proposed alternative fuels and give the best practise design for a navy ship. Investigate the possibility to define the DC-grid fault condition using a dependable design based on dynamic modelling (fault-forecasting based on dynamic simulations)

Integrating knowledge: Gain knowledge of the power layer and data layer integration in complex onboard DC power systems and control architectures in order to increase resilience. The proposals may also cover the following tasks:

Generating knowledge: Develop, prototype and demonstrate for study purposes the integration of super-capacitors and/or flywheels, in combination with batteries, in order to combine the advantages of each of the technologies and improve the global power system efficiency. Integrating knowledge: Gain knowledge of the risks in the cyber domain (cyber-security tests) in order to define the vulnerability of the system architecture. Proposals must substantiate synergies and complementarity with foreseen, ongoing or completed activities performed in the civilian sector and several commercial national and EU research programmes.

Functional requirements The proposed product and technologies should meet the following functional requirements: The technologies to be developed should focus on the following environmental and military requirements and its trade-off for both peacetime and wartime operating scenarios: Impact on all performance criteria listed below for top speed, cruise speed, and several peacetime and wartime typical mission profiles. Acceleration and deceleration behaviour of the propulsion plant in various mechanical, electrical, and combined operating modes. Weight and volume reduction of components and the integrated propulsion and power system. Noise signatures at various operating modes and for several peacetime and wartime mission profiles. Infrared signatures at various operating modes and for several peacetime and wartime mission profiles. Electromagnetic signatures at various operating modes and for several peacetime and wartime mission profiles. Radar Cross Section, which is directly related to size and displacement. Safety of alternative fuels, fuel cells and batteries, whether integrated alone or combined in a vessel, and the response to

calamities caused either by internal failure or external damage. Range and autonomy (sea endurance). All exhaust gasses at all mission profiles (e.g., top speed, cruise speed in various operating modes and during several peace- and wartime typical scenarios). Integration of energy conversion system in combination with selective catalytic reduction systems. Energy efficiency at all mission profiles (e.g., top speed, cruise speed in various operating modes and during several peace- and wartime typical scenarios). Life Cycle Cost based on maintenance, fuel cost and manning for several peacetime and wartime typical mission profiles. Shock resistance, propulsion and power system robustness and resilience. Manning requirement for operation and maintenance. Modularity to enable both the application of the developed technology to a wide range of different platforms and future upgrades to further increase energy efficiency and improve military performance. Expected life limit for components and systems. Expected removal from ship / main overhaul for components and systems. Expected failure rates of components and systems (Mean Time Between Failure (MTBF) and Mean Time To Repair (MTTR)).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF LS RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Great-depth enabling technologies

General Info

Topic ID : EDF-2025-LS-RA-DIS-GDET

Summary : Great-depth enabling technologies **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Description

Expected Impact: The outcome should contribute to: Improvement in detection capabilities in SBW scenarios. Improvement of reaction capabilities in SBW scenarios. Improvement in EU technological autonomy for critical seabed infrastructure protection. Improvement of design of integrated defence systems for SBW scenarios operating at deep water depths. **Objective:** Following the emergence of geopolitical instability in Europe and recent acts of sabotage on underwater critical infrastructures, it is evident that the vulnerability of assets such as underwater strategic pipelines, cables, communication backbones and offshore infrastructures, requires resolute measures to ensure their safety and resilience with a specific focus on Seabed Warfare (SBW). Next generation silent submarines are an example of new forms of threats that need to be countered by effective response capabilities supporting the various defensive missions. Other examples of threats are unmanned vehicle (UxV) carriers that can target energy pipelines, spoofing data from the submerged communication backbones and cutting power energy cables. International cooperation projects under the auspices of the EU (PESCO, EDF) and NATO (JCG MUS, Smart Defence) have already been initiated to counter these emerging threats. However, further dedicated research focusing on the evaluation of potential technologies to cope with the above needs is necessary. In particular, this research must prioritise on delivering of technologies to EU defence capabilities that are expected to enable solutions for monitoring and defending underwater critical assets as well as responding to threats in deep waters (water having a depth greater than 200 metres) up to 6000 meters (m) in depth. **Specific objective** Due to a growing number of sabotage acts on critical underwater infrastructure, SBW has gained a very high level of interest for many EU navies. It is therefore necessary to be able to counter the various threat types operating in deep waters up to 6000 m in depth. Most of today's surveillance and reaction systems currently in service in Western navies have been developed to operate at limited depths, and not in the immediate proximity of the seabed. For many of these systems, extension to new operational requirements is hampered by several technological barriers. For example, with existing technologies the maximum operating depth of vehicles based on a pressure-resistant hull (such as traditional torpedoes) is insufficient for new and emerging operational scenarios. An extensive and precise research activity, focused on "great-depth enabling technologies", could represent an important intermediate step towards an optimised and more efficient future SBW. The results of the research activity could facilitate and speed up the design of new systems specifically conceived and optimised for the operation in the new operational scenarios. At the same time, these new great-depth technologies could facilitate the adaptation of current systems to new operational requirements. Proposals are expected to reach technology readiness level (TRL) 5. **Scope:** The aim is to progress in undersea operations (e.g., SBW) in deep waters up to a depth of 6000 m, with a concept phase to study and evaluate technologies suitable for platforms and payloads to allow unmanned underwater vehicles (UUV), detection systems, warning systems, communication systems, and weapon systems to perform deep water undersea missions (e.g., SBW missions), or even to be applied on fixed elements such as monitoring systems. The proposals must identify defence use cases and justify the relevance of the proposed technologies to be addressed with respect to these use cases, taking into account the wider landscape of potential solutions for these use cases and the deployment costs. Layered defensive depth must be formed and critical areas must be identified where monitoring and protection of the critical undersea infrastructure must be extended. **Types of activities** The following types of activities are eligible for this topic: **Types of activities (art 10(3) EDF Regulation)** **Eligible?** (a) Activities that aim to create, underpin and improve knowledge, products and technologies, including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) **Yes (mandatory)** (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) **Yes (optional)** (c) Studies, such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions **Yes (mandatory)** (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment **Yes (optional)** (e) System prototyping of a defence product, tangible or intangible component or technology **No** (f) Testing of a defence product, tangible or intangible component or technology **No** (g) Qualification of a defence product, tangible or intangible component or technology **No** (h) Certification of a defence product, tangible or intangible component or technology **No** (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies **No** Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: **Generating Knowledge:** Creation of numeric models and simulation of components that embody new or improved technologies, which can demonstrate the element's performance in an operational environment. Investigate and improve next-generation sensor technologies capable of high-resolution data collection in deep waters up to depths of 6000 m. Generate knowledge of multi-layered intelligence, surveillance and reconnaissance of underwater threats. Investigate intelligent underwater sensor systems able to ad-hoc networking and contributing to shared situational awareness. Generate knowledge of neutralisation solutions for emerging underwater threats, such as UUVs (autonomous underwater vehicles (AUV) and remotely

operated vehicles (ROV)), including hard vs soft kill effectiveness analysis, preventing damage to the infrastructure itself. Studies: Study to explore new or improved technologies specific for SBW and their application to products, including scouting of present technologies from the civilian market. Feasibility studies to identify and evaluate technologies suitable for deep water (up to a depth of 6000 m) operations, which should include a literature review and market analysis of existing technologies and their applications in underwater missions. The studies should define and analyse defence use cases relevant to deep water operations and evaluate the performance requirements for platforms and payloads operating at deep water depths. Additionally, the compatibility of existing UUVs with new technologies should be assessed. Methods and technologies for deep water launch and recovery from surface, in nominal and degraded/emergency conditions, including deep water installation and mooring. Methods and technologies of exploiting underwater fixed and/or deployable surveillance assets in conjunction with autonomous systems. Study of the dynamics of underwater explosion for the effectiveness of an explosive charge at deep water depths (up to 6000 m). In addition, the proposals should cover the following tasks: Integrating Knowledge: Energy storage and generation/harvesting at the sea surface and on the seabed, including study of the market and of possible deployment and installation methods, to enable persistent operation in the sea floor and water column, and to minimise maintenance requirements. Use of critical infrastructure self-diagnostics as part of surveillance. Enrich underwater situational awareness utilising data fusion of various sources, including open-source data repositories. Design: Partial tests for risk reduction on specimens and/or demonstrators of technology in an industrial or representative environment. Conduct experimental research to partially test and reduce risks relevant to new materials and technologies designed to withstand high pressure and harsh underwater environments. Conduct research on finding novel approaches to utilise existing technologies in the critical underwater infrastructure as a source of surveillance information. Create and refine autonomous navigation algorithms for UUVs operating in deep waters (up to a depth of 6000 m). UxV energy autonomy solutions for improved performance in deep water operations, including selection of suitable cell technologies starting from Lithium Polymer (Li-Po) available on the market, test of long-term pressure effects on cell structure and electro-chemical characteristics, simulation models for cell degradation over time. Design of high demanding command and control (C2) requirements to manage surface dependency problems including connectivity, power generation, computational power, deployability and level of decisional autonomy of systems. Design an advanced Underwater IFF (Identification Friend or Foe) system for unmanned vehicles (UUVs and USVs) that accurately distinguishes, recognises and classifies between friendly, neutral, and hostile underwater entities to enhance situational awareness in all volume of water. The proposals may also cover the following tasks: Generating Knowledge: Explore and integrate state-of-the-art acoustic and non-acoustic sensors capable of underwater identification for IFF application. Design: Conduct rigorous simulation and field testing in diverse deep-water environments (up to a depth of 6000m) to validate the IFF accuracy and reliability. The proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of underwater warfare, notably those described in the call topic EDF-2023-DA-UWW-ASW on Unmanned Anti-Submarine and Seabed Warfare . Functional requirements The proposed product and technologies should meet the following functional requirements where applicable for the domains addressed: Marinisation and miniaturisation of critical components, including pressure-tolerant solutions. Autonomous accurate underwater navigation with poor or no positioning aid. Materials and solutions for underwater persistency over a long period of time, including underwater garages and integrated equipment/sensors for UUVs continuous health monitoring and preservation. Enhanced underwater communication in deep waters (up to a depth of 6000 m): spanning from the analysis of applicability of fibre optic link and sensors, seabed-to-seabed and seabed-to-surface networked data exchange, to ultra-low frequency acoustic propagation.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF LS RA) (available shortly) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation

Budget Overview

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Citizens' engagement and participation

General Info

Topic ID : CERV-2025-CITIZENS-CIV

Summary : Citizens' engagement and participation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-15T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CERV-2025-CITIZENS-CIV>

Description

Expected Impact: Increased citizens' awareness of rights and EU values and increasing their engagement in society and with the EU Enhanced opportunities for citizens to express and make their views known about what kind of Europe they want and to outline their long-term vision for the future of European integration Improved knowledge and understanding by the citizens of EU institutions and policies as well as of the EU's achievements and benefits Increased citizens' empowerment to get involved in decision-making from local to EU levels Increased citizens' empowerment to make their voices heard by the relevant political authorities and decision makers, thus helping them make an impact in practice; Increased active participation of people from different backgrounds in the EU policymaking process and thus increased contribution to the democratic and civic life of the Union Increased citizens' situational awareness, resilience and preparedness to counter disinformation and information manipulation Increased citizens' awareness and understanding of SLAPPs and a safer and more enabling environment for journalism Strengthened democratic participation, with a special focus on inclusion of younger and older people, women, mobile EU citizens and people with disabilities, and on reaching those citizens not active in civic participation in their everyday life. Objective: This is a call for proposals for EU action grants in the field of Citizens' engagement and participation under the Citizens, Equality, Rights and Value Programme (CERV) . The objective of the call is promoting citizens' and representative associations' participation in and contribution to the democratic and civic life of the Union by making known and publicly exchanging their views in all areas of Union action. Scope: This call aims to support projects promoted by transnational partnerships and networks directly involving citizens. These projects will gather a diverse range of people from different backgrounds and genders in activities directly linked to EU policies, giving them an opportunity to actively participate in the EU policymaking process and thus contribute to the democratic and civic life of the Union. The projects will encourage citizens', including young persons, understanding of the policymaking process, showing in practice how to engage in the democratic life of the EU and enabling them to make known and publicly exchange their views in all areas of Union action. Priority 1. Promoting exchanges on future Union policy priorities and challenges Priority 2. Countering disinformation, information manipulation and interference in the democratic debate Priority 3. Promoting citizens' active engagement and democratic participation

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout Proposal page limit and layout are described in: Section 5 of the Call document Part B of the Application Form available in the Submission System.
- 2. Eligible Countries Described in section 6 of the Call document .
- 3. Other Eligible Conditions Described in section 6 of the Call document .
- 4. Financial and operational capacity and exclusion Described in section 7 of the Call document . 5a. Evaluation and award: Submission and evaluation processes Described in section 8 of the Call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Described in section 9 of the Call document .
- 5. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section 4 of the Call document . Publication of the call: 20 November 2024 Deadline for submitting applications: 29 April 2025 – 17:00:00 CET (Brussels) Evaluation period: May - October 2025 Information to applicants: October 2025 Signature of grant agreement: December 2025 - January 2026
- 6. Legal and financial set-up of the grants Described in section 10 of the Call document . Call document and annexes: Call document Application form templates Standard application form (CERV) — the application form specific to this call is available in the Submission System Calculator (CERV LS REM, CIV and NETW) Model Grant Agreements (MGA) Lump Sum MGA Additional documents: CERV Work Programmes CERV Regulation 2021/692 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Chiplet for Defence Application

General Info

Topic ID : EDF-2025-RA-MATCOMP-CDA-STEP

Summary : Chiplet for Defence Application Status : Open

Deadline model : single-stage Deadline : 2025-10-16T00:00:00.000+0200 Start Date : 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-MATCOMP-CDA-STEP>

Description

Expected Impact: The outcome should contribute to: Develop and share a common hardware library of chiplets building blocks. Identify EU based building blocks compatible with advanced architecture for defence components. Increase competitive advantage to the EDTIB in the domain of components development and integration. Increase flexibility of architectures to create multifunctional, systems, able to adapt to capability needs. Objective: A new paradigm is proposed by the development of the so-called “chiplet” approach, where a chiplet is an integrated circuit block that has been specifically designed to work with other chiplets to form more complex integrated systems. This approach can be used for System in Package (SiP) (heterogeneous integration) in which the System is subdivided into functional circuit blocks. Chiplets offer a new opportunity for defence electronics, overcoming the limitations of generic components like FPGAs (offering a single solution with limited performances) and ASICs (offering high performances but with high development costs due to the specific development). Chiplet architecture offers an interesting opportunity to reduce the development costs thanks to the reuse of existing blocks and to decrease the manufacturing cost thanks to higher yield compared to large monolithic dies. It may also benefit from use of off-the-shelf chiplets to limit development costs and reinforce the resilience of the supply chain. In addition, chiplets-based architectures are scalable: the addition or removal of chiplets enables the performance and/or functionality adjustment of the SiP. Chiplet technology in combination with

heterogeneous packaging has been widely used in increasing performance of commercial CPUs. The chiplet technology combined with heterogeneous packaging offers the possibility to integrate chiplets processed in different technologies into the same package, thus offering the possibility to develop very compact and innovative System in Package. Specific objective The objective is to explore the possibilities the chiplet technology in combination with heterogeneous packaging can add to systems used for defence applications. Combining e.g., chiplets made in different technologies (GaN, GaAs, Si etc) and with analogue, mixed analogue/digital and digital functions may lead to new capabilities in processing power and still achieve a reasonable cost level and power consumption. New and/or improved devices can be made by exploring chiplet technology in various fields of defence applications such as, but not limited to: radar systems, Electronic Warfare systems, communication systems, munition applications, signal processing applications. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: This topic aims to explore the development and sharing of a common hardware library of chiplets and their military applications. This require a thorough analysis of possible architectures, and the design of minimum one military application. The proposed architectures should use EU-based technologies where available. Taking in account the existing EU manufacturing facilities and the civil programs such as Chips JU, proposed architecture should address:

The non-dependence for defence systems to integrate this solution. The cost efficiency of the solution for low volume quantities (including NRE). Particular attention should be placed on the power consumption, as this is an important issue for several applications. The scalability of the architecture, in other words the possibility to adjust the SiP performances and/or functionalities through the addition or removal of chiplets in the design, should be presented and analysed. In addition, proposals may address the integration of security features (cybersecurity) in the architecture, especially for protecting the resulting SiP. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Generating Knowledge: Analysis of the current state of the art in different type of use-cases where chiplet-based architectures are implemented: processing, signal conversion, mixed-signal, or others. Demonstration of the advantages of chiplet architectures for defence applications. Identification of the available technologies (chiplet and integration) in and outside Europe which can or need to be used in chiplet-based components, with a description of the supply chain of each identified technology and an estimation of the technology benefits. Integrating knowledge: Define electronic functions of military systems that can or should be realised with “chiplet” approach. Having identified the available and needed technologies, identify benefits and risks for defence (defining shortfalls and possible dependency risks for each technology). Studies: Explore the feasibility of chiplet architecture for defence: Define which components-of-the-shelf can be used, which chiplets need to be developed and with which performances for a given feature. Study the possible interface solutions between the chiplets. Identify the best compromise between performance and sovereignty (security of supply), capacity for scalability (in memory, cells, number of processing cores...) and specialisation (compute accelerator, specific RF front-end...) from one defence application to another, security, and reliability. Define the possible supply-chain, considering the use of EU foundries, especially for sensitive components (sensitive meaning subject to export control restriction) and the adequation of the supply chain to the targeted volume. Identify cost drivers of the targeted architecture configuration. Design: Definition of targeted performances: Define expected functions and their technical specifications for minimum one type of military application based on the “chiplet” approach. Definition of the partial and risk reduction tests needed to validate the proposed design. Proposed design must: Integrate multiple (at least two) chiplets using different technologies or nodes. Be compatible with the studied supply-chain optimisation. Be compatible with the de-risking tests. Evaluation of the final design in terms of performances and supply-chain optimisation on a representative demonstrator. In addition, the proposals should cover the following tasks: Design: The design should cover the scalability of the architecture (addition or reduction of the amount of chiplets of one single type in the architecture). The proposals may also cover the following tasks: Design: Design of more than one type of military application, with the associated specification, test definition, design and evaluation. A design that addresses scalability of different features at the same time (for instance: adding memories chiplets and processing cores for a given architecture). This may cover specification, test definition, design, and evaluation. Include security features. Include features dedicated to the implementation of Artificial Intelligence in the system. Software development may be included for the need of the evaluation of the demonstrator(s). The proposals should substantiate synergies and complementarity with foreseen, ongoing or completed activities in the field of advanced packaging and advanced semiconductor nodes, notably those

described in the call topics EDF-2022-RA-MATCOMP-PACOMP, DIGITAL-JU-Chips-2023-SG-CPL-3 and DIGITAL-JU-Chips-2023-SG-CPL-2, as well as other projects undertaken in the frame of the European Chips Act (such as Important Project of Common European Interest in microelectronics and communication technologies). Functional requirements The proposed product and technologies should meet the following functional requirements: The interface between chiplets should be compatible with different type of military applications (standardisation approach). The 2.5D or 3D integration should be based on EU capacities. The advanced packaging should be based on System-in-Package technology. The design should be made to optimise the power consumption of the system. The proposed design should be compatible with operations in harsh environment conditions of the targeted application. The design should be compliant with REACH and ROHS regulations.

Conditions

Conditions

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- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Stand-off anti-submarine warfare engagement

General Info

Topic ID : EDF-2025-RA-UWW-SOASW

Summary : Stand-off anti-submarine warfare engagement **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-UWW-SOASW>

Description

Expected Impact: The outcomes should contribute to: Incentive EDTIB to invest in the development of innovative stand-off ASW engagement capabilities. Reduce development risk for EDTIB. Reduce time to market of the required capability. **Objective:** Modern submarines are equipped with long-range heavy weight torpedoes (HWT) or sub launched anti-ship missiles. Both effectors normally exceed the range of surface ships organic underwater sensors and effectors. To be able to engage adversary submarines outside the torpedo danger zone, usually lightweight torpedoes (LWT) are deployed by aerial assets equipped with underwater (UW) sensors, such as organic anti-submarine warfare (ASW) Helicopters or Maritime Patrol Aircraft (MPA). Alternatively, torpedoes can be equipped with a booster rocket to engage submarines at range. However, aerial assets are dependent on weather conditions and bound to deck-cycle times, limiting their availability. Additionally, current developments could lead to an air defence capability of submerged submarines, putting valuable manned airborne assets at risk. It is essential for the survivability of a surface warship to be able to engage and neutralise an adversary submarine outside its effective weapon range when the mission dictates that evasion is not possible. The engagement capability must consequently be available at any time and within short notice, even outside of the deck cycles of the organic aircraft or availability of non-organic aircraft. **Specific objective** Market available rocket-launched torpedoes like the VL ASROC or MILAS are being launched from the Vertical Launch Systems (VLS) or upper deck surface-to-surface missile (SSM) containers, therefore consuming the very limited space and weight that could otherwise be used for air defence missiles or strike capabilities, increasingly required for present and future Anti-Access/Area Denial (A2/AD) threat environment, to achieve the Surface Warfare mission. Current developments in the field of torpedo technology aim at developing very-lightweight torpedoes (VLWT) and ultra-lightweight torpedoes (ULWT). In combination with market available or tailored unmanned vehicles or rocket propulsion, these could provide a cost effective, flexible and lightweight, long-range stand-off ASW capability with a small footprint on the system “surface warship”. Furthermore, some of these technologies may offer cost-effective solutions to engage larger Unmanned Underwater Vehicles (UUV) as well. However, these new developments pose new challenges because of a reduced underwater effective range and the simultaneous requirement for extended range for transfer from the launching unit to the target area and with greater precision, delivering the effector at shorter range from its target, by suitable means to be determined. The surface warship requires an optimisation of its UW sensor suite for the prerequisite long-range detection and classification of targets with higher accuracy and update rates, which must be addressed before these new stand-off capabilities can develop their full potential. Future multi-domain mission profiles require enhanced firepower distributed on board smaller size surface combatants, demanding for new and more flexible approach that delivers solutions able to be integrated in a multi-mission or multi- weapons bay, where both offboard and onboard sensors and effectors, can be loaded and integrated in a mission tailored configuration. In addition, economical aspects are relevant factors. The aim of this activity is the identification of feasible common effector components, like V/ULW torpedoes or depth charges, which can be deployed by systems, which are usable for other purposes or in other warfare areas or even other warfare domains as well, like Unmanned Aerial Vehicles (UAV)/ Unmanned Surface Vehicles (USV) for reconnaissance and surveillance, affordable precision strike capability, or deploying sensors like sonobuoys, in a configuration similar to the multiple launch rocket system. This approach may allow greater degree of flexibility for the procurement of systems and as well reduce individual integration, certification and storage footprints thus increasing their viability for navies of EU Member States and EDF Associated Countries. **Scope:** Proposals should cover the definition of a respective preliminary system design and plan for demonstration of a stand-off ASW engagement capability from sensor to effector. Different combinations of sensor systems, delivery systems and effectors should be investigated, with the view of a concept of optimised solutions that enable engagements against submerged submarines and larger UUV at ranges exceeding 40nm. The activities must aim at establishing a common understanding of the problem, a thorough investigation of different technologies and available products and simulation activities to

conceptually define the most promising combination, eventually including one alternative for distinction with regard to effectivity, diversity of technological approaches, and economical aspects. The activity must include a plan for a way forward towards a full-fledged capability solution. The proposal should seek for complementarity and avoid unnecessary duplication with other ongoing cooperation activities and projects in the same domain. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (optional) (e) System prototyping of a defence product, tangible or intangible component or technology (prototype) No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Generating Knowledge, Integrating Knowledge, and Studies: Feasibility study on V/ULWT for long-range ASW engagement, assessing their performance (e.g., in terms of range, speed, accuracy, payload capacity), evaluating their integration on UxVs and rocket propulsion systems. Feasibility study on UW sensor suites for long-range detection. The study must cover gaps and limitations in current sensor systems. Explore the use of UAVs and USVs for deploying ASW effectors. Evaluate the existing capabilities of legacy UAVs and USVs to carry and deploy V/ULWT. Perform a cost-benefit analysis of various ASW engagement technologies and approaches. Perform a market and technology analysis, providing a comprehensive picture of possible launch platforms for Stand-off ASW weapons and provide a technology roadmap for the development of the capability. In addition, the following tasks should be performed: Studies: Explore the use of UAVs and USVs for deploying ASW sensors and conduct reconnaissance operations. Design: Simulation activities should be performed in order to evaluate suitable combinations, optimal configurations and operational scenarios for further development. Simulate various sensor deployments scenarios to determine the most effective configurations (related with the optimisation of UW sensor suites). Provide a draft concept and architecture. Functional requirements The consortium should elaborate common requirements for stand-off ASW engagement capability in collaboration with the parent navies, including description of scenarios and SOPs. Core functional requirements should include the following: The system should be deployable from several platforms, from frigate-sized warships to systems such as Large UxV (all-domain), and helicopters. The system should be installable on missile launching systems in accordance with relevant standards, such as applicable NATO standards. The systems should be deployable day and night, 24/7, and in non-favourable environmental conditions. The system should cover ranges exceeding the submarine's effective weapon range (>40nm). The system should be interoperable in a sensor-to-effector chain, including interface specifications with other system elements like Combat Management Systems or (secure and resilient) communication systems. VLS solution should enable use with current standards, but not be limited to these. Containerised solutions sharing commonality with other armed services or branches and requiring small deck space, up to 20-foot container size, on board should also be considered. The system should be accreditable according to NATO standards.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF,

Budget Overview

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Risk, robustness and resilience for autonomous vehicles in military operations

General Info

Topic ID : EDF-2025-LS-RA-SI-CYBER-3RAV-STEP

Summary : Risk, robustness and resilience for autonomous vehicles in military operations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-SI-CYBER-3RAV-STEP>

Description

Expected Impact: The outcomes should contribute to: A stronger, more competitive, and technologically independent European Defence Technological and Industrial Base (EDTIB) when it comes to solutions for cybersecurity penetration test automatism and capability to test the security posture of operational computer networks and emulate threat agents during training, exercises, and system tests. Enhanced security for EU Member States and EDF Associated Countries and more capable and interoperable forces performing cyber defence operations, Promote cooperative efforts in this area leveraging the implementation of EU Policy on Cyber Defence (EPCD) **Objective:** Unmanned vehicles (UxV) such as drones, ground vehicles, and surface/underwater vessels are bound to become an integral part of military operations.

Advanced autonomous capabilities are being developed for these systems to enable them to carry out different missions, both with and without human intervention, thus increasing efficiency and minimising risk. From a security perspective, this poses various new challenges that need to be properly resolved to deploy these vehicles in real missions and exploit their full potential. The cyber-physical nature of UxVs affects security in various way. It brings the attack surface of a typical computer (network) into a new context where successful cyber-attacks can have serious consequences in the physical world, while imposing new physical and operational constraints on available and well-established cyber security controls. New attack vectors emerge, and threat models need to be revised. If autonomous capabilities that rely heavily on sensor data to make their decisions are employed, the environment itself can become a new attack vector, as it can be manipulated to exploit vulnerabilities in these new capabilities. Sensors themselves become a new part of the threat model, and the protection of confidentiality of data on the vehicles needs to be weighed against the protection of the availability of effectors and actuators and the integrity of control information. Specific objective Designing appropriate security controls for UxVs requires capabilities to identify and evaluate complex trade-offs between data protection, cybersecurity and assured autonomy to best support a mission. Automating parts of the analysis process is necessary to handle the complexity of this task, including processing large amount of data, reducing costs and risks associated with testing physical systems, and producing structured and traceable documentation. Existing security and safety approaches may be tailored to suit UxVs so that they can be made both secure and robust against well-known deliberate and accidental threats, however new solutions are expected. An additional challenge is whether UxVs can be made resilient in the sense that they can still react in a way that minimises the consequences, and possibly allows for alternative ways to complete the mission autonomously, in the presence of a successful cyber-attack. This call topic contributes to the STEP objectives, as defined in STEP Regulation, in the target investment area of deep and digital technologies. Scope: The capability of UxVs to be resilient so that they can minimise the consequences of an cyber-attack, and allowing for alternative ways to complete the mission autonomously, is called in this context autonomous cyber defence , which is consisting of four main components: monitoring, detecting, reacting, and reconfiguring (or learn). A central part of this capability is the ability to monitor the system and detect potentially harmful anomalies, but also to understand the risk associated with both their impact and possible responses. For instance, if a malware was detected on a UxV trying to exfiltrate classified data, and the source was a malicious component critical for flight, the system might have to evaluate the risk and feasibility associated to either: preventing a breach of confidentiality by shutting down the malicious component and crash onto the ground, thus possibly damaging people or infrastructure; accepting the loss of data to prevent the UxV from crashing; or reconfiguring itself to perform an emergency landing while gradually shutting down the rotors in time to prevent significant data leakage. A “risk-evaluation engine” is central to this capability to generate risk-based courses of actions (CoA) that take into consideration the effect of each action on the various assets connected to the UxV that need to be protected. This includes the mission goals the UxV supports, the confidential information on the UxV and the safety of the UxV itself and its surroundings. This presupposes a sufficient understanding of the UxV’s systems, its interactions, the environment and the dependencies between the UxV’s capabilities and the mission. Additionally, the anomalies should be detected with a high degree of precision to estimate their potential effect before they compromise the UxV beyond repair. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (mandatory) (e) System prototyping of a defence product, tangible or intangible component or technology (prototype) No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No The following tasks must be performed as part of the mandatory activities of the proposals: Generating knowledge: Develop suitable military scenarios where autonomous vehicles are applied, including mission objectives and mission risks. Attack modelling and catalogue of threats/attacks suitable for both the vehicles and given scenarios. Catalogues of assets/functionality/capabilities required to perform the mission/scenario. Catalogue of security controls and measures; both to prevent attacks and to detect and respond. These are to be cyber-physical and may be both in the cyber and physical domain. Integrating knowledge: Develop and/or enhance simulation environments (digital twins) in order to simulate scenarios, including applying attacks and defensive measures (both in cyber and physical domain). Development, adaption and/or enhancement of suitable preventive security measures/controls for autonomous cyber defence. Development of monitoring and detection capabilities, possibly based on AI, for autonomous cyber defence. Development of capabilities to understand and contextualise detected incidents, events and produce suitable response based on risk and mission goal, which can be autonomously applied to environment. Studies Ethical and legal considerations for autonomous cyber defence in such cyber-physical domain. Understand effect and limitation of preventive security measures. Design Proof of concept implementation of autonomous cyber defence with both

preventive measures and abilities to detect and respond to cyber-attacks. Test of implementation in realistic military operational scenarios and/or military exercises. Functional requirements The proposals should meet the following functional requirements: Improve robustness and resilience of UxVs against threats and attacks in the cyber domain. Improve knowledge of the effects and limitations of both preventive security measures and capabilities to detect and respond autonomously to attacks in the cyber domain.

Conditions

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Budget Overview

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Privacy-preserving human-AI dialogue systems – Participation in a technological challenge

General Info

Topic ID : EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDP-STEP

Summary : Privacy-preserving human-AI dialogue systems – Participation in a technological challenge **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDP-STEP>

Description

Expected Impact: The outcome should contribute to: A strengthened EDTIB (European Defence Technological and Industrial Base) and enhanced technological autonomy for defence-oriented Human-AI dialogue systems. Broader, trusted usage of generative AI, large language models and chatbots in defence systems. Data sovereignty and security of information when using generative AI. Better and faster decision-making in complex operational scenarios. **Objective:** The fast progress of generative artificial intelligence (AI), large language models and dialogue systems (chatbots) paves the way towards high-impact defence applications in various domains such as intelligence, strategic planning, tactical operations, and life-cycle support. However, these technologies are still prone to errors, leading them in particular to present false or misleading information as fact (hallucinations). They should also be adapted to defence-specific needs. There is therefore a need for further research to develop high-performance human-AI dialogue systems for defence. In order to ensure trust and steer progress, these systems should be evaluated in an objective and comparative way. For that purpose, each consortium supported through this call topic will benefit from a common testing environment set up by a third-party consortium (selected under topic EDF-2025-LS-RA-CHALLENGE-DIGIT-HAIDO) in the framework of a technological challenge and will have to participate in the evaluation campaigns organised in this framework. To further ensure trust and usability by all EU Member States' and Associated Countries' forces in a wide range of military contexts, the following features should also be developed and evaluated: The systems should be able to justify their answers (explainable AI). The systems should be able to properly handle and protect sensitive or classified information. This requires a form of learning taking into account that different sets of information are restricted to different user groups, so that the systems can adapt their answers depending on the users they interact with. The systems should be able to continuously learn from user supervision without intervention from the developers and without regression. The systems should be able to interact both in writing and by voice. The systems should cover all EU official languages. Systems should be integrated into demonstrators that can be tested by defence users. This is important not only to validate results, but also to generate realistic data which can be used to further develop the systems. This call topic contributes to the STEP objectives, as defined in STEP Regulation[, in the target investment area of deep and digital technologies. **Scope:** The proposals must address multilingual written and spoken human-AI dialogue systems that can manage the need-to-know associated to classified information, learn from users, and explain their answers. These systems must be evaluated in the framework of the technological challenge organised under this call. They must be integrated into demonstrators with user-friendly interfaces. **Types of activities** The following types of activities are eligible for this topic: **Types of activities (art 10(3) EDF Regulation)** **Eligible?** (a) Activities that aim to create, underpin and improve knowledge, products and technologies, including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) **Yes (mandatory)** (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) **Yes (mandatory)** (c) Studies, such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions **Yes (optional)** (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment **Yes (optional)** (e) System prototyping of a defence product, tangible or intangible component or technology **No** (f) Testing of a defence product, tangible or intangible component or technology **No** (g) Qualification of a defence product, tangible or intangible component or technology **No** (h) Certification of a defence product, tangible or intangible component or technology **No** (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies **No** The proposals must cover at least the following tasks as part of mandatory activities: **Generating knowledge:** Research on dialogue systems. Participation to the evaluation campaigns organised in the framework of the technological challenge, including: exchanging with other stakeholders on the evaluation plans. submission of systems to experimental performance measurements during the test campaigns managed by the challenge organisers. participation to debriefing workshops. **Integrating knowledge:** Integration of technological modules into demonstrators that can be tested by representative defence users. The proposals should include descriptions of work packages, tasks and deliverables that enable a clear assessment of work package completion. These should include the participation to the test campaigns organised in the framework of the technological challenge, and the delivery of descriptions of the systems submitted to the tests. **Functional requirements** The proposed solutions should meet the following requirements: Systems should offer state-of-the-art performances. Applicants should describe in their proposals the systems they plan to build upon and provide quantitative information on their performances (including information on the data and metrics used for the measurements, and if applicable on the evaluation campaign in the framework of which the measurements were made), along with references to public information backing this information. Software components corresponding to tasks covered by the technological challenge should be submitted for evaluation therein. Applicants should describe in their proposals how the proposed approaches and systems will address the tasks outlined in the preliminary evaluation plan (cf. Annex 4). Software components should be integrated into demonstrators with user-friendly interfaces and run in near real-time with no perceived lag for the users. Any difference between the version of components evaluated through the technological challenge and a version integrated in the demonstrator should be documented. Demonstrators should be able to run locally, without a connection to a wide area network, except for specific functions for which this can be duly justified and is compatible with operational missions (e.g., to achieve higher performances when adapting under user supervision).

Conditions

Conditions

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Budget Overview

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Technologies for counter-battery capabilities

General Info

Topic ID : EDF-2025-RA-GROUND-CBC

Summary : Technologies for counter-battery capabilities **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-RA-GROUND-CBC>

Description

Expected Impact: The outcome should contribute to: Develop and increase maturity of innovative technologies specifically adapted to counter-battery systems for all armies of EU Member States and EDF Associated Countries . Develop low-cost and, if needed, expendable alternatives for high-risk missions. Opportunity to find commonalities for generic targeting in depth. Increase EU industry capability to produce counter-battery systems. Consolidate the offer of EU competitive solutions for the global market. Reduce dependencies on non-EU or non-EDF Associated countries suppliers by boosting the EDTIB and promoting the development of a EU solution. **Objective:** Given that artillery is still

responsible for the vast majority of losses suffered by armies facing each other on the battlefield, this call topic aims to explore and mature the technologies required to destroy or neutralise all enemies' artillery potential, thereby ensuring the survival of own forces and safeguarding their operational capacity. Specific objective In a changing geopolitical landscape, the armed forces of EU Member States and EDF Associated Countries face new and evolving threats. Artillery is responsible for 70% of combat losses. In this context, the ability to destroy or neutralise enemy artillery capabilities is vital to ensure the survival of land armies. With the development of mobile manoeuvre concepts for field artillery ("shoot-and-scoot") effective counter-battery fire has become increasingly more challenging as the required time from detection of enemy firing to own effect delivered in the target area might often exceed the time required for enemy formations to leave their firing positions. This is particularly a challenge at longer ranges, the tactical depth and farther, as the time of flight of our own munitions may pose a limitation on timely delivery of effect. It is therefore necessary to be able to detect and identify critical components of enemy artillery systems also in other postures than when firing. This research topic aims at research of counter-battery capabilities, including detecting, locating, identifying, and communicating of the made observations. Furthermore, capabilities to detect, locate and identify other enemy capabilities such as HQs, SHORAD, HIMAD, EW, FARP, logistics, etc. could be studied by opportunity through the R&T process. Scope: The proposal must address: Research on new and innovative technologies useful for counter-battery capability. Possibilities for adaptation of existing state of the art technologies useful for counter-battery capabilities (to detect, to locate, to identify, to communicate). Research on passive and active sensors portfolio: Acoustic and seismic. Optical/optronics. Radar/ESM. Research on possible carrier systems for sensors, e.g., UxVs, balloons, vehicles, or stationary platforms. Research on new and innovative deploying mechanisms. The proposed technological solutions should present an optimal compromise on cost/performance. Depending on the maturity of the technologies, it may also address other targets in tactical and operational depth. Types of activities The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible? (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes (mandatory) (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (mandatory) (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (mandatory) (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (optional) (e) System prototyping of a defence product, tangible or intangible component or technology No (f) Testing of a defence product, tangible or intangible component or technology No (g) Qualification of a defence product, tangible or intangible component or technology No (h) Certification of a defence product, tangible or intangible component or technology No (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No Accordingly, the proposals must cover at least the following tasks as part of mandatory activities: Generating knowledge: Creating an overview of current and outdated methods for detection, locating and identification of critical components in enemy artillery systems. Creating an overview of different scenarios for counter-battery capabilities based on current and historical scenarios. Integrating knowledge: Assess potential of current active and passive sensors. Studies: Integration of sensors into different platforms, e.g., UxV, etc. Feasibility studies on deployment mechanisms, e.g., airdrop, firing by weapon systems, autonomous deployment, etc. Feasibility studies on acoustic and seismic sensors to identify indirect fire and ways to design an acoustic-seismic signature database. Feasibility studies on optical and optronics sensors to identify indirect fire and ways to design an optical and optronics signature database. Feasibility studies on active and passive radio frequency sensors and ways to design a radio frequency database. Feasibility studies on exploitation of illuminators of opportunity (e.g., 5G, DAB, etc.). Feasibility studies on GNSS and alternative positioning technologies for sensors. In addition, the proposals should cover the following tasks, as part of the optional activities: Design: Preliminary design studies of an automated (e.g., AI-supported) system that integrates the information from the various sensors. Preliminary design of a (semi-)automated (e.g., AI-supported) target identification system using the signature databases. Preliminary design of a sensor that allows the exploitation of illuminators of opportunity (e.g., 5G, DAB, etc.). Functional requirements The proposed product and technologies should meet the following functional requirements: Ability to timely detect, locate and identify different typologies of indirect enemy effectors (e.g., artillery, mortars, rockets, loitering munitions, etc.). Minimum range of at least 200 km (tactical depth). Operational in climate zones that are of interest to the EU Member States and EDF Associated Countries with a "one applies to all" way of usage. Operational in GNSS denied areas. Determine own position with a SEP below 10 meters. Determine enemy firing positions with a SEP below 30 meters. Operational in a contested EW environment. Robust against jamming, spoofing and EMP. Low own energetic signature. Ability to identify various projectiles (e.g., missiles, rockets, shells, loitering munitions etc.). Compatible with relevant communication and information systems using relevant standards. The proposed product and technologies may meet the following functional requirements: Ability to track detected targets, both artillery and other high-value assets, for subsequent engagement. Ability to identify various UAVs by their acoustic signatures (e.g., sound of rotor blades). Desired range of up to 500 km (operational depth).

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document (available shortly) Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Erasmus+ Virtual Exchanges in Neighbourhood East

General Info

Topic ID : ERASMUS-EDU-2025-VIRT-EXCH-NE

Summary : Erasmus+ Virtual Exchanges in Neighbourhood East Status : Open

Deadline model : single-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-VIRT-EXCH-NE>

Description

Scope: ERASMUS+ VIRTUAL EXCHANGES Virtual exchanges projects consist of online people-to-people activities that promote intercultural dialogue and soft skills development. They make it possible for every young person to access high-quality international and cross-cultural education without physical mobility. While virtual debating or training does not fully replace the benefits of physical mobility, participants in virtual exchanges ought to reap some of the benefits of the international educational experience. Digital platforms represent a valuable tool in partially answering the global constraints on mobility caused by the COVID-19 pandemic. Virtual exchanges also help spreading European values. Moreover, in some cases, virtual exchanges can give ideas and prepare the ground for future physical exchanges not funded under this action. Virtual exchanges in higher education and youth take place in small groups and are always moderated by a trained facilitator. They should be easily integrated into youth (non-formal education) projects or higher education courses. Virtual exchanges can draw participants from both sectors, even if, depending on specific projects, they could involve participants from either only one of them or from both. All projects under this call will involve organisations and participants coming from both EU Member States and third countries associated to the Programme, and third countries not associated to the Programme in eligible regions. **OBJECTIVES OF THE ACTION** The action will aim to: encourage intercultural dialogue with third countries not associated to the Programme and increase tolerance through online people-to-people interactions, building on digital, youth-friendly technologies; promote various types of virtual exchanges as a complement to Erasmus+ physical mobility, allowing more young people to benefit from intercultural and international experience; enhance critical thinking and media literacy, particularly in the use of internet and social media, such as to counter discrimination, indoctrination, polarization and violent radicalisation; foster the digital and soft skills 1 development of students, young people and youth workers 2 , including the practice of foreign languages and teamwork, notably to enhance employability; promote citizenship and the common values of freedom, tolerance and non-discrimination through education; strengthen the youth dimension in the relations of the EU with third countries. **THEMATIC AREAS / SPECIFIC OBJECTIVES** The virtual exchanges should be organised in one or more of the following thematic areas, which correspond to the priorities of the Erasmus+ Programme: Inclusion and diversity; Digital transformation; Environment and fight against climate change; Participation in democratic life, common values and civic engagement. Within this broad framework, since virtual exchanges are a bottom-up initiative, participating organisations are free to choose the topics on which they will focus, but proposals must demonstrate their expected impact in relation to one or more of the objectives mentioned above (see also ‘Expected impact’ section below). Gender aspects should be taken into account as needed, depending on the projects’ scope and themes (e.g. by introducing gender sensitivity aspects in the trainings). Special attention needs to be given to the inclusion of socially and economically vulnerable people and persons unable to apply for physical mobility. Further information can be found on the dedicated page of the Programme Guide (erasmus-plus.ec.europa.eu/erasmus-programme-guide), please check the latest version for 2025. 1 Soft skills include the ability to think critically, be curious and creative, to take initiative, to solve problems and work collaboratively, to be able to communicate efficiently in a multicultural and interdisciplinary environment, to be able to adapt to context and to cope with stress and uncertainty. These skills are part of the key competences, as outlined in the Council Recommendation on Key Competences for Lifelong Learning (OJ C 189/1 of 4.6.2018). 2 Youth workers are professional or volunteers involved in non-formal learning who support young people in their personal socio-educational and professional development.

Conditions

Conditions

1. **Admissibility Conditions: Proposal page limit and layout** Described in the ERASMUS+ Programme Guide 2025 . Proposal page limits and layout: Page limit for the Part B of the Application Form (Technical Description) is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. **Eligible Countries** Described in the ERASMUS+ Programme Guide 2025 .
3. **Other Eligible Conditions** Described in the ERASMUS+ Programme Guide 2025 .
4. **Financial and operational capacity and exclusion** Described in the ERASMUS+ Programme Guide 2025 . 5a. **Evaluation and award: Submission and evaluation processes** Described in the ERASMUS+ Programme Guide 2025 . 5b. **Evaluation and award: Award criteria, scoring and thresholds** Evaluation criteria, scoring, threshold and process are described in the ERASMUS+ Programme Guide 2025 . 5c. **Evaluation and award: Indicative timeline for evaluation and grant agreement** Described in the ERASMUS+ Programme Guide 2025 . Publication of the

call: November 28, 2024. Deadline for submitting applications: April 29, 2025, 17:00 (Brussels time) Evaluation period: May-October 2025 Information to applicants: October 2025 Signature of grant agreement: January 2026

5. Legal and financial set-up of the grants n/a Call document and annexes: ERASMUS+ Programme Guide 2025 Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Additional documents: Call Document ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement How to manage your lump sum grants

Budget Overview

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Erasmus+ Virtual Exchanges in South Mediterranean Countries

General Info

Topic ID : ERASMUS-EDU-2025-VIRT-EXCH-SMC

Summary : Erasmus+ Virtual Exchanges in South Mediterranean Countries **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-VIRT-EXCH-SMC>

Description

Scope: ERASMUS+ VIRTUAL EXCHANGES Virtual exchanges projects consist of online people-to-people activities that promote intercultural dialogue and soft skills development. They make it possible for every young person to access high-quality international and cross-cultural education without physical mobility. While virtual debating or training does not fully replace the benefits of physical mobility, participants in virtual exchanges ought to reap some of the benefits of the international educational experience. Digital platforms represent a valuable tool in partially answering the global constraints on mobility caused by the COVID-19 pandemic. Virtual exchanges also help spreading European values. Moreover, in some cases, virtual exchanges can give ideas and prepare the ground for future physical exchanges not funded under this action. Virtual exchanges in higher education and youth take place in small groups and are always moderated by a trained facilitator. They should be easily integrated into youth (non-formal education) projects or higher education courses. Virtual exchanges can draw participants from both sectors, even if, depending on specific projects, they could involve participants from either only one of them or from both. All projects under this call will involve organisations and participants coming from both EU Member States and third countries associated to the Programme, and third countries not associated to the Programme in eligible regions. OBJECTIVES OF THE ACTION The action

will aim to: encourage intercultural dialogue with third countries not associated to the Programme and increase tolerance through online people-to-people interactions, building on digital, youth-friendly technologies; promote various types of virtual exchanges as a complement to Erasmus+ physical mobility, allowing more young people to benefit from intercultural and international experience; enhance critical thinking and media literacy, particularly in the use of internet and social media, such as to counter discrimination, indoctrination, polarization and violent radicalisation; foster the digital and soft skills 1 development of students, young people and youth workers 2 , including the practice of foreign languages and teamwork, notably to enhance employability; promote citizenship and the common values of freedom, tolerance and non-discrimination through education; strengthen the youth dimension in the relations of the EU with third countries.

THEMATIC AREAS / SPECIFIC OBJECTIVES The virtual exchanges should be organised in one or more of the following thematic areas, which correspond to the priorities of the Erasmus+ Programme: Inclusion and diversity; Digital transformation; Environment and fight against climate change; Participation in democratic life, common values and civic engagement. Within this broad framework, since virtual exchanges are a bottom-up initiative, participating organisations are free to choose the topics on which they will focus, but proposals must demonstrate their expected impact in relation to one or more of the objectives mentioned above (see also ‘Expected impact’ section below). Gender aspects should be taken into account as needed, depending on the projects’ scope and themes (e.g. by introducing gender sensitivity aspects in the trainings). Special attention needs to be given to the inclusion of socially and economically vulnerable people and persons unable to apply for physical mobility. Further information can be found on the dedicated page of the Programme Guide (erasmus-plus.ec.europa.eu/erasmus-programme-guide), please check the latest version for 2025.

1 Soft skills include the ability to think critically, be curious and creative, to take initiative, to solve problems and work collaboratively, to be able to communicate efficiently in a multicultural and interdisciplinary environment, to be able to adapt to context and to cope with stress and uncertainty. These skills are part of the key competences, as outlined in the Council Recommendation on Key Competences for Lifelong Learning (OJ C 189/1 of 4.6.2018).

2 Youth workers are professional or volunteers involved in non-formal learning who support young people in their personal socio-educational and professional development.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout Described in the ERASMUS+ Programme Guide 2025 . Proposal page limits and layout: Page limit for the Part B of the Application Form (Technical Description) is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
- 2. Eligible Countries Described in the ERASMUS+ Programme Guide 2025 .
- 3. Other Eligible Conditions Described in the ERASMUS+ Programme Guide 2025 .
- 4. Financial and operational capacity and exclusion Described in the ERASMUS+ Programme Guide 2025 . 5a. Evaluation and award: Submission and evaluation processes Described in the ERASMUS+ Programme Guide 2025 . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the ERASMUS+ Programme Guide 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in the ERASMUS+ Programme Guide 2025 . Publication of the call: November 28, 2024. Deadline for submitting applications: April 29, 2025, 17:00 (Brussels time) Evaluation period: May-October 2025 Information to applicants: October 2025 Signature of grant agreement: January 2026
- 5. Legal and financial set-up of the grants n/a Call document and annexes: ERASMUS+ Programme Guide 2025 Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Additional documents: Call Document ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement How to manage your lump sum grants

Budget Overview

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Erasmus+ Virtual Exchanges in Sub-Saharan Africa

General Info

Topic ID : ERASMUS-EDU-2025-VIRT-EXCH-SSA

Summary : Erasmus+ Virtual Exchanges in Sub-Saharan Africa **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-VIRT-EXCH-SSA>

Description

Scope: ERASMUS+ VIRTUAL EXCHANGES Virtual exchanges projects consist of online people-to-people activities that promote intercultural dialogue and soft skills development. They make it possible for every young person to access high-quality international and cross-cultural education without physical mobility. While virtual debating or training does not fully replace the benefits of physical mobility, participants in virtual exchanges ought to reap some of the benefits of the international educational experience. Digital platforms represent a valuable tool in partially answering the global constraints on mobility caused by the COVID-19 pandemic. Virtual exchanges also help spreading European values. Moreover, in some cases, virtual exchanges can give ideas and prepare the ground for future physical exchanges not funded under this action. Virtual exchanges in higher education and youth take place in small groups and are always moderated by a trained facilitator. They should be easily integrated into youth (non-formal education) projects or higher education courses. Virtual exchanges can draw participants from both sectors, even if, depending on specific projects, they could involve participants from either only one of them or from both. All projects under this call will involve organisations and participants coming from both EU Member States and third countries associated to the Programme, and third countries not associated to the Programme in eligible regions.

OBJECTIVES OF THE ACTION The action will aim to: encourage intercultural dialogue with third countries not associated to the Programme and increase tolerance through online people-to-people interactions, building on digital, youth-friendly technologies; promote various types of virtual exchanges as a complement to Erasmus+ physical mobility, allowing more young people to benefit from intercultural and international experience; enhance critical thinking and media literacy, particularly in the use of internet and social media, such as to counter discrimination, indoctrination, polarization and violent radicalisation; foster the digital and soft skills 1 development of students, young people and youth workers 2 , including the practice of foreign languages and teamwork, notably to enhance employability; promote citizenship and the common values of freedom, tolerance and non-discrimination through education; strengthen the youth dimension in the relations of the EU with third countries.

THEMATIC AREAS / SPECIFIC OBJECTIVES The virtual exchanges should be organised in one or more of the following thematic areas, which correspond to the priorities of the Erasmus+ Programme: Inclusion and diversity; Digital transformation; Environment and fight against climate change; Participation in democratic life, common values and civic engagement. Within this broad framework, since virtual exchanges are a bottom-up initiative, participating organisations are free to choose the topics on which they will focus, but proposals must demonstrate their expected impact in relation to one or more of the objectives mentioned above. Gender aspects should be taken into account as needed, depending on the projects' scope and themes (e.g. by introducing gender sensitivity aspects in the trainings). Special attention needs to be given to the inclusion of socially and economically vulnerable people and persons unable to apply for physical mobility. Further information can be found on the dedicated page of the Programme Guide (erasmus-plus.ec.europa.eu/erasmus-programme-guide), please check the latest version for 2025.

1 Soft skills include the ability to think critically, be curious and creative, to take initiative, to solve problems and work collaboratively, to be able to communicate efficiently in a multicultural and interdisciplinary environment, to be able to adapt to context and to cope with stress and uncertainty. These skills are part of the key competences, as outlined in the Council Recommendation on Key Competences for Lifelong Learning (OJ C 189/1 of 4.6.2018).

2 Youth workers are professional or volunteers involved in non-formal learning who support young people in their personal socio-educational and professional development.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in the ERASMUS+ Programme Guide 2025 . Proposal page limits and layout: Page limit for the Part B of the Application Form (Technical Description) is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. Eligible Countries Described in the ERASMUS+ Programme Guide 2025 .
3. Other Eligible Conditions Described in the ERASMUS+ Programme Guide 2025 .
4. Financial and operational capacity and exclusion Described in the ERASMUS+ Programme Guide 2025 . 5a. Evaluation and award: Submission and evaluation processes Described in the ERASMUS+ Programme Guide 2025 . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the ERASMUS+ Programme Guide 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in the ERASMUS+ Programme Guide 2025 . Publication of the call: November 28, 2024. Deadline for submitting applications: April 29, 2025, 17:00 (Brussels time) Evaluation period: May-October 2025 Information to applicants: October 2025 Signature of grant agreement: January 2026
5. Legal and financial set-up of the grants n/a Call document and annexes: ERASMUS+ Programme Guide 2025 Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Additional documents: Call Document ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement How to manage your lump sum grants

Budget Overview

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Erasmus+ Virtual Exchanges in Western Balkans

General Info

Topic ID : ERASMUS-EDU-2025-VIRT-EXCH-WB
Summary : Erasmus+ Virtual Exchanges in Western Balkans **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-VIRT-EXCH-WB>

Description

Scope: ERASMUS+ VIRTUAL EXCHANGES Virtual exchanges projects consist of online people-to-people activities that promote intercultural dialogue and soft skills development. They make it possible for every young person to access high-quality international and cross-cultural education without physical mobility. While virtual debating or training does not fully replace the benefits of physical mobility, participants in virtual exchanges ought to reap some of the benefits of the international educational experience. Digital platforms represent a valuable tool in partially answering the global constraints on mobility caused by the COVID-19 pandemic. Virtual exchanges also help spreading European values. Moreover, in some cases, virtual exchanges can give ideas and prepare the ground for future physical exchanges not funded under this action. Virtual exchanges in higher education and youth take place in small groups and are always moderated by a trained facilitator. They should be easily integrated into youth (non-formal education) projects or higher education courses. Virtual exchanges can draw participants from both sectors, even if, depending on specific projects, they could involve participants from either only one of them or from both. All projects under this call will involve organisations and participants coming from both EU Member States and third countries associated to the Programme, and third countries not associated to the Programme in eligible regions.

OBJECTIVES OF THE ACTION The action will aim to: encourage intercultural dialogue with third countries not associated to the Programme and increase tolerance through online people-to-people interactions, building on digital, youth-friendly technologies; promote various types of virtual exchanges as a complement to Erasmus+ physical mobility, allowing more young people to benefit from intercultural and international experience; enhance critical thinking and media literacy, particularly in the use of internet and social media, such as to counter discrimination, indoctrination, polarization and violent radicalisation; foster the digital and soft skills 1 development of students, young people and youth workers 2 , including the practice of foreign languages and teamwork, notably to enhance employability; promote citizenship and the common values of freedom, tolerance and non-discrimination through education; strengthen the youth dimension in the relations of the EU with third countries.

THEMATIC AREAS / SPECIFIC OBJECTIVES The virtual exchanges should be organised in one or more of the following thematic areas, which correspond to the priorities of the Erasmus+ Programme: Inclusion and diversity; Digital transformation; Environment and fight against climate change; Participation in democratic life, common values and civic engagement. Within this broad framework, since virtual exchanges are a bottom-up initiative, participating organisations are free to choose the topics on which they will focus, but proposals must demonstrate their expected impact in relation to one or more of the objectives mentioned above. Gender aspects should be taken into account as needed, depending on the projects' scope and themes (e.g. by introducing gender sensitivity aspects in the trainings). Special attention needs to be given to the inclusion of socially and economically vulnerable people and persons unable to apply for physical mobility. Further information can be found on the dedicated page of the Programme Guide (erasmus-plus.ec.europa.eu/erasmus-programme-guide), please check the latest version for 2025. 1 Soft skills include the ability to think critically, be curious and creative, to take initiative, to solve problems and work collaboratively, to be able to communicate efficiently in a multicultural and interdisciplinary environment, to be able to adapt to context and to cope with stress and uncertainty. These skills are part of the key competences, as outlined in the Council Recommendation on Key Competences for Lifelong Learning (OJ C 189/1 of 4.6.2018). 2 Youth workers are professional or volunteers involved in non-formal learning who support young people in their personal socio-educational and professional development.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in the ERASMUS+ Programme Guide 2025 . Proposal page limits and layout: Page limit for the Part B of the Application Form (Technical Description) is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. Eligible Countries Described in the ERASMUS+ Programme Guide 2025 .
3. Other Eligible Conditions Described in the ERASMUS+ Programme Guide 2025 .
4. Financial and operational capacity and exclusion Described in the ERASMUS+ Programme Guide 2025 . 5a. Evaluation and award: Submission and evaluation processes Described in the ERASMUS+ Programme Guide 2025 . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the ERASMUS+ Programme Guide 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in the ERASMUS+ Programme Guide 2025 . Publication of the call: November 28, 2024. Deadline for submitting applications: April 29, 2025, 17:00 (Brussels time) Evaluation period: May-October 2025 Information to applicants: October 2025 Signature of grant agreement: January 2026
5. Legal and financial set-up of the grants n/a Call document and annexes: ERASMUS+ Programme Guide 2025 Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Additional documents: Call Document ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual

Budget Overview

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RFCS-2025-CSP-Big Tickets for Steel

General Info

Topic ID : RFCS-2025-CSP

Summary : RFCS-2025-CSP-Big Tickets for Steel **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-06T00:00:00.000+0200 **Start Date :** 2025-02-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/RFCS-2025-CSP>

Description

Expected Impact: Project results are expected to contribute to the following impact: Contribute to the ambitious targets of the European Green Deal and the set of European Commission policy guidelines applicable to the steel industry for full decarbonisation of the steel sector. **Expected Outcome:** Project results are expected to contribute to all the following outcomes: Contribute and clearly quantify the CO2 reduction achieved in the steel sector or in the target group. Make it technically and economically feasible for novel technologies and processes to produce the same products as current industrial processes, as demonstrated and validated at suitable scale. Demonstrate overall positive environmental and, if relevant, health and safety effects of the technology and/or the approach pursued. Outline a plan for technology scalability and greater expansion, ultimately linked to a viable business case. Provide high visibility dissemination of lessons learnt and continue to contribute to the development of skills and creation/conversion of jobs. **Objective:** The RFCS Research Programme (Council Decision (EU) 2021/1094) has the following research objectives for the steel sector: new, sustainable and low-carbon steelmaking and finishing processes (Article 8). advanced steel grades and applications (Article 9). conservation of resources, protection of the environment and circular economy (Article 10). management of work force and working conditions (Article 10a). The call objectives are: Cross cutting issues: digitalisation, skills and social innovation in the steel sector. CO2 neutral iron ore reduction (Increasing the use of pre-reduced iron carriers). Technologies to improve energy efficiency, increase heat recovery and enhance process integration (PI) approaches in steel production. Advanced steel alloys for special applications. Circular economy and sector coupling solutions to meet the zero-waste goal for steelmaking. Carbon capture of steel CO/CO2 gases. **Scope:** Applicants may submit proposals for either Pilot or Demonstration projects (see Articles 15 and 16 of Council Decision (EU) 2008/376/EC). Proposals are expected to achieve technology readiness level 7-8 (TRL 7-8) by the end of the project. Research activities must take account of the requirements of the selected TRL levels. Proposals must be in line with the general and specific objectives listed in the Memorandum of Understanding for the European partnership on Clean Steel launched in Horizon Europe. Proposals need to show in the excellence and/or impact part of the application form how they contribute to the multiannual strategic R&I agenda of the Clean Steel Partnership. Proposals must address the application of innovative technologies related to one or two of the six call objectives listed above. If addressing two

call objectives, proposals should clearly identify which work packages address which area(s) of which call objective(s). Proposals must include an exploitation strategy outlining possible integration of the outcomes of the project (including the pilot/demonstrators) in an industrial environment and a preliminary assessment of their economic viability. When addressing the call objectives, proposals should pay particular attention, where relevant, to Article 10a of RFCS Council Decision (EU) 2021/1094 and, more precisely, include activities to address potential solutions that can improve the working conditions of employees at steelmaking facilities, in particular health, safety and ergonomics in and around the workplace. Targeted improvements (compared to the existing installation or, for new projects, to the relevant ETS benchmark) must be clearly quantified and demonstrated with energy system and materials balance assessments (including emissions) clearly defined by the applicants. This requirement applies to all the call objectives, with the exception of objective 1. Collaborations with start-ups and small and medium-sized enterprise are encouraged.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (RFCS) — the application form specific to this call is available in the Submission System Detailed budget table (RFCS) Model Grant Agreements (MGA) RFCS MGA Additional documents: RFCS Decision 2008/376 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Prevention and Preparedness Projects

General Info

Topic ID : UCPM-2025-KAPP-PVPP

Summary : Prevention and Preparedness Projects **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-02-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/UCPM-2025-KAPP-PVPP>

Description

Objective: Themes & priorities: Applicants are invited to select one or several of the following topic priorities Priority 1: Improving risk assessment, anticipation, and disaster risk management planning DRM strategies will only entirely address the risks a country faces with an assessment that takes into account climate change, cross-border risks emerging

risks, cascading effects, high impact low probability risks, and exposed or vulnerable areas and groups, including persons with disabilities. This priority aims at enhancing the eligible entities' capability to identify and assess relevant disaster risks with potential transboundary/trans-European and cross-sectoral impacts and use that information to reinforce disaster prevention and preparedness activities. This priority correlates with the Union disaster resilience goal No. 1: 'Anticipate - Improving risk assessment, anticipation and DRM planning'. Priority 2: Increasing risk awareness and preparedness of the population Population plays an important role in disaster prevention and preparedness and citizens are usually the first responders to disasters. National, sub-national and local authorities should cooperate, together with the private sector and civil society organisations, to i) increase disaster risk awareness and understanding of the population, ii) fostering a culture of risk prevention and preparedness to risks, iii) create favourable conditions for individuals to actively engage in DRR/DRM activities. Evidence-based risk information and communication, as well as education activities, targeted to the public –including vulnerable groups and persons with disabilities– are effective tools to raise risk awareness, preparedness and contribute to response measures. This priority correlates with the Union disaster resilience goal No. 2: 'Prepare - Increasing risk awareness and preparedness of the population' Priority 3: Enhancing early warning Early warning systems are key elements for disaster risk reduction and climate change adaptation. In the wake of the Covid-19 crisis and with the recent extreme weather events and cascading impacts across sectors, the importance of advanced multi-hazard and risk warnings has never been more widely acknowledged. Although in Europe there is considerable experience with early warning systems, especially for weather and climate-related hazards, recent disasters have shown that more effort and collaboration is necessary. This would include the use of new technologies, such as Artificial Intelligence, in order to be able to process large volumes of data in a timely fashion, appropriate for emergency management. This priority correlates with the Union disaster resilience goal No. 3: 'Alert - Enhancing early warning'. Priority 4: Ensuring a robust civil protection system by strengthening institutional preparedness and individual capacity Ensuring a robust civil protection system plays a crucial part in efficiently meeting the demands placed on civil protection and DRM authorities, in particular during and after a disaster, when society needs them most. Increasing complexities during disasters, changing parameters as a result of climate change and the ever-growing risk of concurrent disasters or prolonged emergencies, require institutions with a role in DRM to adapt and prepare themselves accordingly. Proposals addressing this priority of the call will be able to place their focus on activities aimed at advancing preparedness, both within and between organisations, sectors and borders, especially in the context of applying lessons learnt to existing structures and processes. Activities can aim to encourage or even institutionalise cooperation between different stakeholders, including the general public, improve communication, information management and facilitate the transfer of knowledge or integrate new approaches and innovative research in the interest of increasing preparedness at an institutional level. In addition, this priority will focus on developing skills, expanding relevant knowledge, and improving capacity and performance of individual experts or functional groups. As a result, the gained knowledge and experience should be applied nationally, bilaterally or internationally in a way that benefits the UCPM in the disaster risk prevention, preparedness or response activities. This priority correlates with the Union disaster resilience goal No. 5: 'Secure – Ensuring a robust civil protection system'. Activities that can be funded: Under Priority 1 (Improving risk assessment, anticipation, and disaster risk management planning), this call for proposals will co-finance activities that aim to assess and quantify risks and/or prepare management plans for risks with a multi-country or cross-border impact. Proposals could either build on and/or expand existing risk assessments and risk management plans, or they could develop new risk assessment or plans. In addition, proposals aiming to enhance the availability of tools and guidelines on risk assessment, disaster loss data analysis, and risk management planning are also encouraged. Projects under this priority should follow a multi-hazard approach. Under Priority 2 (Increasing risk awareness and preparedness of the population), this call for proposals co-finances activities that aim to enhance risk awareness, understanding and preparedness of the population, including through increasing the overall level of risk awareness, prevention and preparedness of individuals and communities, improving public access to disaster risk information, and enhancing the culture of risk prevention, self-protection, readiness and pro-active engagement of citizens. Proposals aiming to increase the availability of tools and guidelines on raising citizens' awareness on disaster risks are also eligible. Under Priority 3 (Enhancing Early Warning), this call for proposals will co-finance activities that aim to build and improve forecasting, detection and monitoring capabilities, as well as public warning and alert systems. Proposals should demonstrate that they build on previous efforts or that there is an identified gap for the action. Proposals which promote the use of new technologies, such as Artificial Intelligence or Machine Learning, are also encouraged. Under Priority 4 (Ensuring a robust civil protection system by strengthening institutional preparedness and individual capacity), this call for proposals will co-finance integrated projects that aim to strengthen the ability of institutions tasked with civil protection or DRM to effectively prepare for future disasters. The activities can focus on any or all of the following aspects: identifying institutional preparedness gaps, developing strategies to overcome identified gaps, as well as investigating the efficiency of new or existing tools, methodologies and approaches. In addition, it will co-finance projects seeking to support civil protection and DRM actors by funding activities that improve the capacity of individual experts or functional groups to react during disasters. The focus of the activities should lie on expanding knowledge, skills and performance in order to strengthen capacity at an individual scale. Projects can focus on any or all of the following elements: gathering of knowledge and good practices from different DRM stakeholders, integrating input from science and research institutions into knowledge sharing activities relevant for DRM, elaboration of methodologies for skill and knowledge transfer as well as the development and implementation of specific activities. Activities may also focus on integrating lessons learnt from recent emergencies into capacity strengthening initiatives.

Scope: The general objective of the projects within the Prevention and Preparedness topic is to enhance collaboration and cooperation among Member States and between the UCPM and third countries. These projects should seek to strengthen efforts in preventing natural and human-induced disasters while improving the overall preparedness of the UCPM, its stakeholders, and the wider population. Through initiatives that address both ongoing challenges and emerging systemic issues, these projects should aim to build resilience and foster a more coordinated response framework. While cross-border cooperation is relatively well-established in the area of emergency response, cross-border and multi-country cooperation during the prevention and preparedness phases can be further enhanced. Notwithstanding, the response phase could also benefit from streamlined communication protocols and interoperable systems that overcome language barriers in emergency situations. Disasters know no borders. The ongoing and emerging risks posed by natural and human-induced hazards are cross-border due to their spatial dimension (e.g., earthquakes, fires, severe weather, floods and space weather), as well as the volatility and scale of their impacts (e.g., pandemics, impact of climate change on zoonotic diseases, nuclear/industrial accidents, marine pollution). The human, economic and environmental impacts triggered by these disasters, as well as their likelihood of occurrence exist irrespective of national borders. Various EU legislative acts already call for a collaborative approach to disaster risk assessment and awareness raising: for example, for flood risks or cross-border threats in the health sector. The UCPM legislation also aims at stepping up the collaboration at cross-border level and between Member States prone to the same types of disasters.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (UCPM Prevention and Preparedness) — the application form specific to this call is available in the Submission System Detailed budget table (UCPM) Letter of support (UCPM) Model Grant Agreements (MGA) UCPM MGA Additional documents: UCPM Work Programmes UCPM Decision 1313/2013 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Protection of the euro against counterfeiting

General Info

Topic ID : PERI-2025-ANTI-COUNTERFEIT

Summary : Protection of the euro against counterfeiting **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-02-20T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/PERI-2025-ANTI-COUNTERFEIT>

Description

Objective: The Pericles IV programme has the following general objective : To prevent and combat counterfeiting and related fraud, preserve the integrity of the euro banknotes and coins, thus strengthening the trust of citizens and business in the genuineness of these banknotes and coins and therefore enhancing the trust in the Union's economy, while securing the sustainability of public finances. The Pericles IV programme has the following specific objective : To protect euro banknotes and coins against counterfeiting and related fraud, by supporting and supplementing the measures undertaken by the Member States and assisting the competent national and Union authorities in their efforts to develop among themselves and with the Commission a close and regular cooperation and an exchange of best practice, where appropriate including third countries and international organisations.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout As described in sections 5 and 6 of the call document . Proposal layout: described in Part B of the Application Form available in the Submission System.
- 2. Entities eligible for funding As described in section 6 of the call document . Entities eligible for funding shall be the competent national authorities as defined in point (b) of Article 2 of Regulation (EC) No 1338/2001 .
- 3. Other Eligible Conditions n/a
- 4. Financial and operational capacity and exclusion n/a
- 5. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in sections 8-10 of the call document .
- 6. Legal and financial set-up of the grants As described in section 10 in the call document . Call document and annexes: Call document Application form templates Standard application form (PERI) — the application form specific to this call is available in the Submission System Detailed budget table (PERI) Draft agenda/outline (PERI) Model Grant Agreements (MGA) PERI MGA Additional documents: PERICLES IV Annual Work Programmes PERI Regulation 2021/840 PERI Non-Euro Area Regulation 2021/1696: Pericles IV Regulation extending to the non-participating Member States EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Conferences, workshops and seminars

General Info

Topic ID : EUAF-2025-TRAI-02

Summary : Conferences, workshops and seminars Status : Open

Deadline model : single-stage Deadline : 2025-05-15T00:00:00.000+0200 Start Date : 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TRAI-02>

Description

Expected Outcome: Professionals, in particular staff from customs authorities and other law enforcement bodies, are better able to protect the financial interests of the EU through: (i) the acquisition of new skills; (ii) acquisition of knowledge of specialised methodologies and techniques; (iii) an increased awareness of fraud-risk indicators at EU level and (iv) more opportunities to develop and implement anti-fraud strategies at EU level. Scope: Organising conferences, workshops and seminars and creating networks and structural platforms between Member States, candidate countries and potential candidates, other third countries, EU institutions and international organisations in order to: (1) facilitate the exchange of information, experience and best practice, including in anti-fraud and anti-corruption systems and data analysis; (2) create networks and improve coordination between Member States, candidate countries and potential candidates, other third countries, EU institutions and international organisations; (3) facilitate multidisciplinary cooperation and awareness-raising between anti-fraud and anti-corruption practitioners (in particular customs authorities and other law enforcement bodies) and academics on protecting the financial interests of the EU, including support for the Associations for European Criminal Law and for the Protection of EU Financial Interests; (4) raise awareness of this matter among the judiciary and other legal professionals.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TRAI) Draft Agenda-Outline (EUAF TRAI) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Comparative law studies and periodical publications

General Info

Topic ID : EUAF-2025-TRAI-04

Summary : Comparative law studies and periodical publications **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-15T00:00:00.000+0200 **Start Date** : 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TRAI-04>

Description

Expected Outcome: Expected results: (i) conduct of high-profile research, including in the area of comparative law; (ii) original high-quality articles published in academic and scientific publications and (iii) raised awareness among stakeholders, including the judiciary and other branches of the legal profession, of the continued need to protect the financial interests of the EU. Scope: Conduct of relevant, high-profile research on topics related to the protection of the financial interests of the EU against fraud, corruption or any other irregularities, including in the area of comparative law. Dissemination of relevant information through periodical publications.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TRAI) Draft Agenda-Outline (EUAF TRAI) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Specialised training sessions

General Info

Topic ID : EUAF-2025-TRAI-01

Summary : Specialised training sessions **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TRAI-01>

Description

Expected Outcome: Professionals, in particular staff from customs authorities and other law enforcement bodies, are better able to protect the financial interests of the EU through: (i) the acquisition of new skills; (ii) acquisition of knowledge of specialised methodologies and techniques; (iii) an increased awareness of fraud-risk indicators at EU level and (iv) more opportunities to develop and implement anti-fraud strategies at EU level. Scope: Developing specialised training sessions to improve knowledge and use of IT tools and to increase anti-fraud data analysis by acquiring new skills and knowledge of specialised methodologies and techniques.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TRAI) Draft Agenda-Outline (EUAF TRAI) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Staff exchanges

General Info

Topic ID : EUAF-2025-TRAI-03

Summary : Staff exchanges **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-15T00:00:00.000+0200 **Start Date** : 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TRAI-03>

Description

Expected Outcome: Professionals, in particular staff from customs authorities and other law enforcement bodies, are better able to protect the financial interests of the EU through: (i) the acquisition of new skills; (ii) acquisition of knowledge of specialised methodologies and techniques; (iii) an increased awareness of fraud-risk indicators at EU level and (iv) more opportunities to develop and implement anti-fraud strategies at EU level. Scope: Organising staff exchanges between national and regional administrations (including those in candidate countries and potential candidate countries), aiming to help further develop, improve and update staff skills for protecting the financial interests of the EU.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TRAI) Draft Agenda-Outline (EUAF TRAI) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European Film Distribution

General Info

Topic ID : CREA-MEDIA-2025-FILMDIST

Summary : European Film Distribution **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-24T00:00:00.000+0200 **Start Date** : 2024-12-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-FILMDIST>

Description

Objective: Expected results:

- Improvement in the trans-national distribution of recent non-national European films.
- Increase in the investment in the production, acquisition, promotion, theatrical and online distribution of non-national European films.
- Develop links between the production and distribution sector thus improving the competitive position of non-national European films. There are two phases for the funded activities:
 1. The generation of a potential fund which will be attributed according to the performance of the company on the European market.
 2. The implementation of the action - the potential fund thus generated by each company must be reinvested in:
 - the co-production of eligible non-national European films;
 - the acquisition of distribution rights, for example by means of minimum guarantees, of eligible non-national European films;
 - promotion, marketing and advertising on the market of eligible non-national European films both for theatrical and online releases.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 3 December 2024. Deadline for submitting applications: 24 April 2025 17:00 (Brussels time). Evaluation period: May - September 2025. Information to applicants: October 2025. Signature of grant agreement: January 2026.
5. Legal and financial set-up of the grants described in the call document . Call document and annexes: call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Certified admissions (CREA MEDIA FILMDIST) Information on independence and ownership (CREA MEDIA) Other mandatory annex to be attached to the proposal: PDF with information about film(s)/work(s) generated from the Creative Europe MEDIA Database Model Grant Agreements (MGA) CREA MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU

Budget Overview

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Towards exploration and evaluation of European natural hydrogen potential

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-07

Summary : Towards exploration and evaluation of European natural hydrogen potential **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-07>

Description

Expected Outcome: Although natural hydrogen is produced via various physical phenomena taking place in the Earth's subsurface, notably fluid-rock interactions, the discoveries have all been accidental, limited in investigation, and only harnessed in Mali. As such, natural hydrogen is a potential new source of clean hydrogen which can play a significant role in Europe to meet the objectives set out in the Fit-for-55 Package and REPowerEU plan. In the future, the potential of natural hydrogen accumulations in the subsurface should be determined and exploited in Europe in a safe and sustainable way to complement other routes of hydrogen production. Indeed, natural hydrogen may contribute to limiting greenhouse gas emissions, raw materials, water resources, and land use as compared to other types of hydrogen production, hereby strengthening the EU energy independency while accelerating the implementation of the hydrogen energy economy and thus the net-zero energy transition. Nevertheless, current needs are to develop methods and workflows to efficiently explore this resource, increase public support, and evaluate economically viable industrial solutions. Project results are expected to contribute to the following outcomes: Strengthened European leadership in the exploration of natural hydrogen to identify and evaluate reserves and seek industrial production; Improved understanding of the occurrence and the resource potential of natural hydrogen in Europe, to define prospective areas for exploration and production (E&P); Identification of enablers and barriers in terms of regulation, social acceptability, market, and financial incentives to stimulate the E&P of natural hydrogen for European countries. Scope: Natural hydrogen is a resource that has recently come under the spotlight for its potential to accelerate the shift to a net-zero economy within the next decades. However, its production is critically challenged by the relatively limited understanding of the processes and geological conditions of its generation, the lack of well-proven workflows and the development of standard methods for its exploration. Efficient detection methods are required to identify promising areas prone to regional exploration, while analytical and numerical workflows are needed to quantify the potential of a geological formation to hold adequate volumes of natural hydrogen for production at an industrial scale. This requires knowledge improvement of the subsurface processes controlling the generation, migration and trapping of hydrogen in economically relevant quantities. This topic aims to support both the development of new methods, technologies, and workflows that will enable the development of E&P of natural hydrogen in Europe. It will bridge the gap between Research and Innovation (R&I), regulatory framework, and economic investments to boost the energy transition. Proposals in this call should aim at better understanding the mechanisms related to natural hydrogen generation and accumulation in the subsurface, developing specific tools and methods to assess the resource potential, demonstrating its environmentally and economically viable exploitation, and informing adequate regulation and policies in Europe for large-scale deployment. Proposals should address most of the following elements: Development of techniques, tools, and methods to better characterise and understand processes controlling the formation, migration, and accumulation of hydrogen in the

subsurface as well as natural emissions to the surface, and to establish a set of criteria to confidently identify prospective areas. Proposals should include at least one case study area (two if the budget allows it) to test remote sensing and hydrogen sensors, gather geophysical data from active or passive seismic, gather geochemical data, possibly logging tool (tools which are run into the well after drilling and which, with specific development would help to characterize hydrogen in the well) in order to calibrate methods with minimal environmental impact; Guidelines for systematically identifying potential natural hydrogen sources in Europe by determining the combination of key parameters and conditions necessary to its generation; Analogue experiments to simulate in situ conditions (temperatures, pressures, rock mineralogy and chemistry, geofluid compositions) controlling the generation of natural hydrogen and its kinetic (in mol/kg/s); Numerical models to predict the dynamics of large hydrogen systems, from the source (generation, migration, and alteration), trapping in reservoirs if appropriate, to emission/leakage at the surface. It should allow the determination of a “Hydrogen Window” i.e. both chemical and physical subsurface conditions to generate natural hydrogen, applicable on specific or general conditions. Ultimately, the numerical models should allow quantifying the possible volume (in tonnes) and production rate (in tonnes/year) of selected sites of natural hydrogen in Europe in the coming years and characterizing its potential renewable aspect; Characterisation of purification requirements of selected expected gas compositions, identification of possible technologies, and test of their performances at laboratory scale. Life Cycle Assessment to determine the environmental performance of exploring, extracting, and producing natural hydrogen at this early stage of knowledge and at relevant specifications (i.e. including purification and other post-production treatments) notably in terms of (i) Greenhouse gas emissions range (in kg CO₂ eq. per kg H₂ produced) including possible associated gases and fugitive leakages, (ii) critical raw materials use, (iii) water resources consumption, and (iv) land use; A check (based on the LCA results) whether natural hydrogen can be classified as Renewable Fuels of Non-Biological Origin (RFNBO) established under the Renewable Energy Directive (RED II). This would allow framing natural hydrogen into EU certifications which will ensure a commercialisation of the natural hydrogen to clients willing to decarbonise their activities. Elements to establish the right taxonomy of natural hydrogen to be certified under EU certification schemes should be provided; A conceptual study to assess the levelized cost range of hydrogen production (in € per kg H₂ produced) taking into account, key parameters such as drilling design, operational costs, periodic work-over, abandonment costs, purification requirement, expected volume and well deliverability. A parametric model integrating the outputs of the conceptual study will allow the economic assessment of prospects on a case-by-case basis. At the same time, a bottleneck is to access these reserves in a safe and cost-efficient manner. Thus, research on identifying challenges related to well construction, drilling dynamics, and how to address them, will provide tools and methods to advance exploration and production of natural hydrogen, and mitigate leakages from prospection to exploitation; In addition, proposals may address the following: Identification, description, and evaluation of the specific geological formations, processes, and settings that can potentially produce natural hydrogen in economically viable quantities in Europe; The social acceptability of these projects is also key to operate. Protocols are needed to improve public perception and acceptance including communication strategies dedicated to specific stakeholders with emphasis on the local benefits provided by the resources, and on the activities and their related safety risk mitigation; Mitigate the risks related to the safety of handling hydrogen in such quantities and opposition by the public, to accelerate the transition towards low-carbon energy solutions. As relevant, proposals are encouraged to involve European and national geological research institutes. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 2 and achieve TRL 4 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 2.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply *mutatis mutandis*.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown

through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_en.pdf]]. described in Annex G of the Work Programme General Annexes.

In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year's call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: 'Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards'. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Knowledge transfer and training of civil servants, safety officials, and permitting staff to improve safety assessment and licensing procedures across Europe

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-05-03

Summary : Knowledge transfer and training of civil servants, safety officials, and permitting staff to improve safety assessment and licensing procedures across Europe **Status :** Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-05-03>

Description

Expected Outcome: Public entities responsible for licensing and safety analysis of hydrogen projects play a crucial role in the practical implementation of hydrogen as an energy vector. However, there is still widespread uncertainty with public bodies at a local level, as to how to classify projects and which specific protocols and methodologies to apply in assessing projects. Moreover, there remains a fragmentation across the EU, with evaluation and permitting procedures and processes governed by local, regional, and Member State regulations that are not harmonised. This creates hurdles, friction, and uncertainty for project developers across Europe in that they have to adjust to a variety of different permitting regulations and requirements when working internationally within the EU. The project targets the training of public officials, staff of certification bodies, and engineers who are tasked with preparing permitting applications, evaluating such applications, and issuing permits for hydrogen projects. It will supply them with the necessary background knowledge to securely and confidently navigate the processes involved. The audience will consist of any staff involved in permitting processes on both sides of the table, as listed above, but could also include fire brigades and other institutions involved in permitting processes in a consulting role. By raising awareness of the differences in these processes between Member States, the project will be able to contribute towards a harmonisation of procedures throughout the EU. The primary addressees of the project will be the regions and countries of the current and future Hydrogen Valley projects funded through the Clean Hydrogen JU. Project results are expected to contribute to all of the following outcomes: Collecting information on differences in Member States regulations in permitting and licensing processes of hydrogen projects across the EU; Giving public officials of the Hydrogen Valley regions and in the EU access to specific training plans and materials in order to spread knowledge on hydrogen technologies, their safety analysis and permitting processes; Supporting the move towards the use of digital tools to improve the efficiency in evaluation and licensing processes; Contributing to retain the EU leadership in efficiency and systematised licensing procedures, thus leveraging green hydrogen projects. Project results are expected to contribute to the following objectives and Key Performance Indicators (KPI) of the Clean Hydrogen JU SRIA: Develop educational and training material and build training programmes for civil servants/safety officials in different languages on licensing procedures for the hydrogen value chain. Trained professionals (qualified workers, technicians, and engineers) in 2030: 120,000 in Tier 1 countries (Germany, Denmark, United Kingdom and France); 40,000 in Tier 2 countries (Belgium, Netherlands, Austria, Sweden, Norway, Finland, Latvia, Spain and Italy); 20,000 in Tier 3 countries (rest of EU27 and rest of associated countries to Horizon Europe). These Tiers consider different awareness levels in the EU based on the HyLaw [1] project analysis. Scope: The project will compile the existing evaluation, permitting, and licensing procedures for hydrogen projects across Europe in order to establish the training material. From this base, the project will compile present best practices for permitting Fuel Cells and Hydrogen (FCH) technologies across the EU into a handbook. The project will provide training to public officials and all other types of staff engaged in permit applications, project assessment and certification, and permit granting. This will allow streamlining project implementation and ensure effective permitting and licensing procedures. Projects should further address the knowledge transfer between Hydrogen Valleys and between Member States on permitting and certification of hydrogen projects, for example, based on the best practice handbook. Assessment, permitting, and licensing processes to be covered include all those referring to the built environment, the energy system infrastructure and industrial infrastructures. This, for instance, includes hydrogen refuelling stations and hydrogen technology installations in residential, administrative, or commercial buildings, as well as the application of hydrogen in industry, and the implementation of energy distribution infrastructure, which all might require a permit or license to be built and/or to operate, depending on European, Member State or Associated Country regulations. Trainings are to be provided in at least 10 EU languages in order to assure application to the existing Hydrogen Valleys funded by the JU and further widespread uptake in a significant number of EU and Associated Countries. Training material is to be provided in blended learning mode, mixing online asynchronous elements with on-site, in-person, or synchronous online training measures. This will allow trainees to follow courses alongside their day-to-day work, managing their own educational effort and the time spent on the courses. The success of training will be assessed, and participants issued with a meaningful and recognised certificate of accomplishment. Train-the-trainer activities should also be foreseen to multiply the impact. Suitable material should be made available to the public free of charge. Proposals should address all of the following: Analysis of evaluation, permitting, and licensing procedures across the EU, covering at least all countries with Hydrogen Valleys. In addition proposals should cover all remaining Tier1 and Tier2 countries, and a selection of Tier3 countries as deemed suitable by the applicants, ensuring an effective implementation of training programmes that can understand and explain the differences in procedures in the different target countries; Development and implementation of comprehensive training programmes in the target countries and/or regions (at least, as a minimum, in all countries with Hydrogen Valleys supported by the JU [2]) for public officials and

staff involved in permit applications, assessment, evaluation, permitting, and licensing of hydrogen projects, covering relevant areas to ensure a deep understanding of principles and practices related to hydrogen projects. This should: Focus on specific evaluation, licensing protocols and procedures in permitting of hydrogen projects; Create educational materials in at least 10 official languages of the EU, ensuring inclusive access to training in the target countries, adding further countries, depending on the languages offered by the project; Align training material with the format and delivery type of the European Hydrogen Academy (HyAcademy.EU [3]); Supply of hands-on, practical hydrogen safety training in all countries covered by the above; Supply of train-the-trainer courses to training service providers and institutions with internal training programmes in all countries covered by the above; Assessment of educational progress, issuing a certificate recognised by the EU hydrogen industry; Introduction of the use of new digital tools to enhance efficiency and effectiveness in local evaluation and licensing processes, encouraging trainees to use such tools in their day-to-day practice. Activities should consider synergies with ongoing and past projects developed in Horizon Europe, such as HyLaw [1] , HyFacts [5] , HYPOP [6] , HyAcademy.EU [3] and, as applicable, HyResponder [8] , as well as collaboration with ongoing other similar activities in Member States and internationally. Activities should consider cooperation, synergies, and alignment with the future Net-Zero Industry Academies in general. In addition, synergies with projects supported by other programmes and instruments should be explored, e.g the Hy2Market [9] . Finally, collaboration with the Hydrogen Valleys supported by the JU [10] as well as with other related activities such as those supported in the public contract for the “Hydrogen Valleys Facility” can be expected. The licensing and certification of transport vehicles (e.g. automobiles, ships, aeroplanes) or of movable goods (e.g. heating boilers, CE certification, etc.) is out of scope. For additional elements applicable to all topics please refer to section 2.2.3.2. The JU estimates that an EU contribution of maximum EUR 1.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://cordis.europa.eu/project/id/735977> [2] https://www.clean-hydrogen.europa.eu/get-involved/hydrogen-valleys_en [3] <https://cordis.europa.eu/project/id/101137988> [4] <https://cordis.europa.eu/project/id/735977> [5] <https://cordis.europa.eu/project/id/256823> [6] <https://cordis.europa.eu/project/id/101111933> [7] <https://cordis.europa.eu/project/id/101137988> [8] <https://cordis.europa.eu/project/id/875089> [9] Project supported by the Interregional Innovation Investments (I3) instrument which is a funding instrument under the ERDF regulation <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/44416173/101083592/I3> [10] https://www.clean-hydrogen.europa.eu/get-involved/hydrogen-valleys_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million

- HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
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 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03

- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA):
Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Development of mined, lined rock cavern for gaseous hydrogen storage

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-02-01

Summary : Development of mined, lined rock cavern for gaseous hydrogen storage **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-02-01>

Description

Expected Outcome: Clean hydrogen is recognised as an energy carrier that will play a major role in the decarbonisation of European energy systems, as it can substitute fossil fuels in hard-to-abate sectors. Several governments and institutions have announced ambitious plans for developing a hydrogen economy. The European Union has notably set a 2030 target of 40 GW of electrolyzers producing 10 million tonnes of renewable hydrogen to be added to 10 million tonnes of imported clean hydrogen. These substantial quantities of hydrogen will require aboveground and underground storage capacities. Notably, underground hydrogen storage will provide a means for fulfilling these large-scale storage

needs as it presents advantages in terms of environmental protection, energy security, safety, and economically, in terms of CAPEX (for high storage capacity) and OPEX. Underground storage CAPEX is highly dependent on targeted capacities, operating envelopes (namely required flowrates), available geology, needs for purification, and on storage technologies. However, an estimation of the orders of magnitude for costs is as follows: According to the Clean Hydrogen Partnership project HYSTORIES [1] (2022), storage solutions based on porous reservoirs have an estimated cost of about 20€/kg (+/- 50%) and are only valid for very large quantities, whilst SRIA KPIs (2022) present a target value of 5€/kg in 2030 for porous reservoirs (storage capacity not provided; 120 bar compression); Salt caverns technology costs are estimated at approximately 35€/kg (+/- 50%) and are applicable for moderate to large quantities, whilst SRIA KPIs (2022) present a target value of 30€/kg in 2030 for salt caverns (storage capacity > 3000 tons); Storing hydrogen in mined, lined rock caverns is more difficult to assess as the methodology is not fully understood yet. Initial assessments estimate costs between 250€/kg (large quantities, in very good rock conditions) and 500€/kg (large quantities, in good rock conditions). However, costs could be both higher or lower, depending on conditions. Nonetheless, these costs remain attractive when compared to costs for surface storage techniques while also addressing concerns that are present for such techniques (e.g. safety, security, etc.). Whether these storage capacities will be scattered or centralised remains an open question, but many analysts consider that a variety of storage unit sizes will be required including large and centralised storage. Salt caverns or porous geological traps offer possibilities for massive hydrogen storage needs as a more cost-effective large-scale hydrogen storage solution. However, applications are limited to locations with suitable geology. In the EU, the number of such locations is limited. Thus, for regions without suitable geology, mined, lined rock caverns may be considered as a suitable technological solution for gas and liquid storage. The design and safe operation of European hydrogen storage in mined, lined rock caverns requires the development of shared, dedicated standards and guidelines. Amongst the challenges are the choice of a hydrogen-compatible liner material (e.g. steel), the behavior of this material in cycle fatigue [2] situations, the selection of optimised concrete or other materials to cushion the liner against the rock mass and protect it from the effects of the environmental degradation (e.g. corrosion), and other potential impacts, and an understanding of how varying geological lithologies will interact with the cyclical pressure differences. Steel is likely to be chosen for the liner based on lessons learned from manufacturing, installation, and operation processes. However, other materials may also be explored and compared to steel. Understanding the impact of constructing new caverns as opposed to utilising previously constructed caverns on environment, safety, energy security, and economics is also a topic of interest. Project results are expected to contribute to all the following expected outcomes: Generate knowledge on the mechanical behaviour of a complex liner (concrete, steel, etc.) in combination with the geomechanical behaviour of the surrounding rock for a mined, lined rock cavern subject to cycling conditions and natural hazards (e.g., earthquakes); Provide design principles and operation envelopes to be used by decision makers when assessing CAPEX and OPEX of mined, lined rock caverns in various conditions (rock mass quality, commercial needs, accessibility, security considerations, etc.); Make hydrogen storage systems that are fit for purpose and that can reduce the cost and improve the efficiency of hydrogen supply across Europe available to industry; Facilitate international collaborations to generate and apply knowledge that can improve underground hydrogen storage operations that contribute to hydrogen sustainability and reduce associated costs; Contribute to maintaining European leadership for large-scale hydrogen storage solutions, with particular focus on assessing the opportunities to understand what makes a previously built cavern best suited for purpose, as well as to understand the dynamics of building mined, lined rock caverns in a diverse set of potential geological lithologies (e.g. gneiss, granite, carbonates, sandstones, basalts). Furthermore, identify and define which geological, geotechnical, and hydrological parameters are best suited for large-scale underground hydrogen storage; Provide replication tools of the methodologies developed and demonstrated in the project in sites in other European regions with different subsurface (and operational) characteristics, ensuring an exhaustive coverage of the different European sites' specifics; Motivate technical and economic revitalisation of areas with abandoned and/or underutilised cavern infrastructure (e.g. tunnels, natural gas caverns, mines, etc.) in Europe. Project results are expected to contribute to the following objectives (KPIs of the Clean Hydrogen JU SRIA are not applicable as such): Undertake research activities on underground storage to validate the performance in different geologies, to identify better and more cost-effective materials and to encourage improved designs; Support the development of Regulations Codes and Standards (RCS) for hydrogen technologies and applications, focusing on standards for assessing the life span of a mined, lined rock cavern for hydrogen storage; Organise safety, Pre-Normative Research (PNR) and RCS workshops. Scope: The primary challenge to the integrity of a mined, lined rock cavern used for hydrogen storage is the cyclical fatigue, within which hydrogen embrittlement can play a role. Cyclic strains are induced by the loading/unloading of gas in combination with the confining pressure exerted by the surrounding geological and hydrological environment. These strains can be significant enough to cause plastic deformation of the liner. Additionally, the operational cycling conditions leads to liner (e.g. steel, concrete, etc.) fatigue in addition to having an impact on the surrounding rock mass itself. This fatigue is known as "low-cycle fatigue" (large strain, limited number of cycles). Proposals should address the technical challenges stemming from combining large strains, fatigue conditions, and hydrogen service on the liner, the surrounding concrete, and the encompassing rock masses. Therefore, industrial development of this concept for hydrogen storage requires studies, tests and a combination of laboratory and field demonstrations. This topic focuses exclusively on gaseous hydrogen – liquid hydrogen is not considered because of its extremely low temperature requirements. To overcome the gaps mentioned above, proposals should address the following: Generate knowledge of steel behaviour when subject to cycling conditions in hydrogen environment under a range of operational demands. This may include simulations based on rupture mechanics, fracture propagation, plasticity

theory, etc. This should also include validation by testing; Generate knowledge on the corrosion of steel over time including the potential for crevice corrosion and pitting that could result in failure. Damage resulting from H₂ embrittlement, or impurities within the H₂ of the steel liner may also be considered. This includes knowledge generation on hydrogen quality after storage and withdrawal from the mined, lined rock cavern. This may include hydrogen analysis under simulated cavern conditions in the laboratory using material from the lined rock cavern in the test reactor or by testing gas samples from a field demonstration; Generate knowledge on appropriate concrete compositions for cycle fatigue under a range of operational demands, as well as to best protect the integrity of both the steel liner and the surrounding rock mass. Alternative binders to Ordinary Portland Cement should be considered, to improve the environmental footprint while creating a concrete with higher durability. This may include simulations on fracture propagation, porosity/permeability analyses, as well as laboratory and/or field testing; Design the concrete buffer slurry ensuring that it is designed to be space filling in such a way that it does not introduce stress/strain concentrations. It will likely require high pumpability, alongside good self-compacting properties with high gravitational stability. The use of expanding agents in the concrete mix may be considered through testing, to improve space filling properties and potentially pre-stress the steel liner; Generate knowledge on how variations in geological conditions (e.g. lithology, depth, stress, temperature, etc.) impact both the short- and long-term performance of the storage site. This may include complex numerical simulations of the full storage system, taking into account fracture generation and propagation, fatigue, etc., as well as analogue modeling in the laboratory and/or field testing in a variety of representative geological conditions; Provide guidelines for the selection of steel grades (including welds) for hydrogen services in mined, lined rock caverns. This may include simulations and testing. Challenges associated with welds including potential damage due to the presence of residual stresses and heterogeneous microstructures may be considered; Develop recommendations for a standardised design for new mined, lined rock caverns, and best practices for converting existing caverns for hydrogen storage. This design should include underground and aboveground installations dedicated to the storage activity (hydrogen treatment, compression, piping, metering). Connecting lines between the cavern and the aboveground installations should also be covered. Additionally, it is important to consider the impact of natural hazards (e.g. earthquakes) on the entire system (e.g. steel liner, concrete, rock mass, etc.); Understanding potential monitoring methods, including the storage site and surrounding rock mass, should be considered. Ideally, any field testing carried out would include various potential monitoring methods to understand advantages and disadvantages of each approach. Monitoring methods should be able to indicate potential failure, as well as other changes within the mined, lined rock cavern storage system (i.e. steel liner, concrete, rock mass, etc.); Ascertain the design through a comprehensive set of simulations. A physical proof of concept (POC) should also be proposed. The parameters for the POC should be ascertained through a combination of numerical modelling, and laboratory testing. The proposal for a POC may be either or a combination of 1) an above ground test that could be utilised to explore the impact of cycling hydrogen within a storage container on the various non-subsurface components (e.g., steel, concrete) and/or 2) a series of tests designed to understand the impact of different geological conditions. Other POC approaches can be proposed provided they significantly improve the level of confidence in the concept; Define construction methods for a mined, lined rock cavern; Define cavern acceptance test procedure of the mined, lined rock cavern with a focus on how geological uncertainty may impact this; Provide a comprehensive risk analysis covering construction, operation, and geomechanical risks taking into account an understanding of the economic, environmental, energy security, and safety considerations; Define guidelines/protocols to support Storage System Operators (SSOs) in the identification and management of risk associated to the storage of hydrogen in mined, lined rock caverns. The guidelines should also propose a fast-track procedure which will allow the SSOs to have a preliminary qualitative assessment of the hydrogen storage feasibility, considering the main relevant factors, as well as assist SSOs in the identification of the optimum storage sites including preferential geological/hydrological conditions; These guidelines should be seen as replication tools of the methodologies developed and demonstrated in the project in sites in other European regions with different subsurface (and operational) characteristics, ensuring an exhaustive coverage of the different European sites' specifics; Develop techno-economic analyses considering the application of this large-scale solution in a number of different use-case studies including dynamic simulations. Possibilities include, but are not limited to: 1) on-grid applications where mined, lined rock caverns support the EU hydrogen grids in transporting and managing the daily intermittent (e.g., solar, wind) hydrogen production, 2) off-grid applications, where the storage solution is directly connected to an end-user (e.g., industrial use cases, maritime transportation, etc.) and its hydrogen demand, 3) hybrid solutions wherein temporary hydrogen storage may be beneficial, but that use by the grid may also be beneficial (e.g., integrated renewable energy systems). Building on the results of previous activities, proposals should, as relevant, provide recommendations and dissemination for updated and/or developing new standards at EU and international levels. Projects are encouraged to involve the relevant standardization bodies, for example through liaison organisations [3]. In addition, the outcomes of, but not only, project MefHySto [4], supported by the under the EURAMET research programme, maybe of relevance. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to start at TRL 3 and achieve TRL 5 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 5.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://cordis.europa.eu/project/id/101007176> [2] Understood as material fatigue under a range of operational demands [3] [https://www.cenclguide25.pdf](https://www.cencenelec.eu/media/Guides/CEN-CLC/cenclguide25.pdf) [4] Metrology for Advanced Hydrogen Storage Solutions, <https://www.euramet.org/european->

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work

Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:
- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)
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- AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)
- SRIA Clean Hydrogen JU Lump Sums Guidance
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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Understanding emissions of PFAS from electrolyzers and/or fuel cells under product use

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-05-02

Summary : Understanding emissions of PFAS from electrolyzers and/or fuel cells under product use **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-05-02>

Description

Expected Outcome: Per- and polyfluoroalkyl substances (PFAS) are a class of thousands of chemicals, with different properties, safety profiles and uses [[OECD, "oecd.org," 2021. [Online]. Available: <https://www.oecd.org/chemicalsafety/portal-perfluorinated-chemicals/terminology-per-and-polyfluoroalkyl-substances.pdf>. [Accessed April 2024]]]. In January 2023, the authorities of Denmark, Germany, the Netherlands, Norway, and Sweden submitted a proposal to the European Chemicals Agency (ECHA) that calls for a near complete phase-out of the manufacture, import, sale, and use of per- and polyfluorinated substances (commonly known as PFAS) [[ECHA, 2022. [Online]. Available: <https://echa.europa.eu/hot-topics/perfluoroalkyl-chemicals-pfas>. [Accessed April 2024]]. Transitional periods are foreseen for uses that currently have no alternatives. Within the class of PFAS chemicals included in the proposal are fluoropolymers, a subgroup of PFAS that is used in various industrial and professional applications. Water electrolyzers and fuel cells use fluorinated membranes for their unique physical and chemical properties such as elevated proton conductivity and excellent durability. However, these systems are known to emit levels of inorganic fluoride during operation of the product. In fact, the degree of fluoride release may be used as a measure of the rate of degradation of the membrane in a fuel cell or an electrolyser [1]. Hence, component and stack manufacturers aim to minimise any inorganic fluoride release rate in order to ensure commercially viable lifetimes to their products by reducing degradation. However, until now, corresponding degradation mechanisms, the quantification of organic fluorine compounds, and their potential impact on the environment have not been understood or even investigated [2]. There are therefore no testing protocols ready for electrolyser/fuel cell degradation with focus on PFAS release and considering the use of adequate analytics (e.g. sum parameters). In particular, there is no defined, agreed analytical technique available to reliably identify individual organic fluorine containing compounds due to their low concentrations and heterogeneity [3] (explicitly excluding existing, regulated substances like PFOS,... and the corresponding analytical methods as described therein). Moreover, electrolyzers and fuel cells will have to rely on commonly available fluorinated membranes for the upcoming years as the few alternatives to fluorinated membranes are at low TRL (e.g. HORIZON-JTI-CLEANH2-2024-05-02), and any alternatives may not become viable and scale in time. It is therefore relevant to enhance the understanding of PFAS emission based on currently used fluorinated membranes, developing pre-normative testing protocols and methods, and investigate the emission of the degradation products in applications under product use. Project results are expected to contribute to all the following expected outcomes: Allow science-based decision making for policy makers and industry players; Enable industry, policy makers and the public to deepen their understanding of potential PFAS emissions of electrolyser and/or fuel cell systems under product use, and their impact on the environment; Identify the emission pathway (vapour, aerosol, liquid phase); Allow for targeted solutions to prevent potential PFAS emissions in these systems from new or existing players in the hydrogen field; Allow

industry to use a standardised method for PFAS emissions measurement under product use; Provide mature sampling and testing methods, analytical tools to assess PFAS release to the environment, and to ensure sustainability of fuel cells and/or water electrolysis; Pave the way to make fuel cells and/or water electrolysis more sustainable; Provide context with the potential emissions and their potential impact, educating the public on balancing the risks of those emissions. Scope: This proposal is expected to focus on the fundamental understanding of the potential PFAS emissions in water electrolyzers and fuel cells under product use. It aims to identify the root cause of PFAS compounds in water electrolyzers and fuel cells, and to quantify the potential release of these substances into the environment during operation. Additionally, this project should propose solutions to manage and minimise emissions from current products corresponding to their amount and relevance of emission. It should include recommendations on a reduced release into the environment and propose possible mitigation options for avoidance of emissions. Considering the application-based, industrial scope of the project, subsequent non-industrial processes like subsequent biodegradation in the environment, the individual properties of persistency and incorporation into the food chain should not be contained within the scope and future possible applicants of this proposal. However, the project should support a preliminary liaison of the industrial community with these complementary aspects. Applicants are therefore expected to propose activities to build a significant state of the art collection and review of recent studies related to PFAS biodegradation. Besides, projects are expected to build further on the findings and targets of previous projects and find synergies with running projects, as well as with the novel Innovative Materials for EU co-Programmed Partnership. Specific attention should be given to Horizon Europe, Cluster 4 [4]. An integral step of the project is the development of a uniform testing (operation, sampling and analysis) protocol for PFAS emissions under product use. The results should further be additionally validated by means of statistics, and repetitive sample taking and evaluation. As a guideline, project proposals should define the process of test sample taking, considering e.g.: Transport conditions, sampling devices, sample probing, and sample taking conditions (beginning of life, run-in units) at different sites in a system (fuel cell or electrolyser) under product use conditions (e.g. temperature, hydrodynamic conditions, product water emission or air taken, ...); Establish comparable and robust results for the samples, and a measure of proper data representation (statistics, relevance, database, reference, administration...); Define harmonised test protocols for fuel cells and electrolyzers during which samples are taken for analysis, providing a procedure how, when, and where the samples are taken (gas, liquid and aerosols). Establish a comprehensive analytical methodology: Establishing a list of relevant substances for targeted analysis of the corresponding samples [5]; Defining method(s) for analysis based on selected samples; Investigating the limits and restrictions of the applied analytical method(s): limits of detection (LOD), limits of quantification (LOQ), mass determination and selectivity, etc.; Evaluating possible impurities and misinterpretations of generated analytical results. As a recommendation for upcoming analytical methods, it should be highlighted that while analysing PFAS at parts per trillion (ppt) concentrations, superior sampling, hygiene and laboratory handling procedures, and repetition of measurements are essential to ensure statistically validated results. Proposals should thus additionally establish a standard sampling process with appropriate sample hygiene instructions for fuel cell and/or electrolyser effluents. As indicated, an understanding of the sources of emissions should be tackled within the scope of the project. It is further suggested that an analysis should answer the question of the proper combination of targeted residuals analyses, balancing non-targeted residuals analyses of both fluorinated and non-fluorinated compounds, and methods for quantification as Total Organic Fluorine (TOF) or Total Organic Carbon (TOC). The project scope should not exclude certain chemistries from the scanning exercise, as results might be misrepresented if the protocol is biased. Projects should explore at least the following innovations: Representative sample taking from Low Temperature Proton Exchange Membrane Fuel Cells (LT- PEMFC) and Low Temperature - Proton Exchange Membrane Water Electrolyzers (LT- PEMWE) in application, providing an adequate statistical approach including e.g. blind samples, reference samples, multiple-sample taking, and sample redundancy; Development of sampling methods and hygiene protocols for emission analyses from hydrogen systems under product use; Development of a combination of targeted, non-targeted, and TOF, TOC or other total parameter analysis techniques for system manufacturers to understand the sources of potential PFAS emissions under product use; Development of a combination of targeted and non-targeted analysis techniques for policy makers to understand the amount of potential PFAS emissions of electrochemical hydrogen systems. Proposals are encouraged to contribute to the activities of EURAMET - European Metrology Networks for Pollution Monitoring [6] which addresses the challenges of measuring chemical pollutants including PFAs. For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [7] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [8] to benchmark performance and quantify progress at programme level. Proposals are expected to contribute towards the activities of Mission Innovation 2.0 - Clean Hydrogen Mission. Cooperation with entities from Clean Hydrogen Mission member countries, which are neither EU Member States nor Horizon Europe Associated countries, is encouraged (see section 2.2.6.7 International Cooperation). For additional elements applicable to all topics please refer to section 2.2.3.2. The JU estimates that an EU contribution of maximum EUR 2.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply *mutatis mutandis*. [1] M. C. a. A. Z. W. Ahmet Kusoglu, "Effect of Mechanical Compression on Chemical Degradation," ECS Electrochemistry Letters, vol. 3, no. 5, pp. F33-F35, 2014 [2] J. W. R. K. J. M. F. B. a. V. V. Dharmjeet Madhav, "A Review of Proton Exchange Membrane Degradation Pathways, Mechanisms, and Mitigation Strategies in a Fuel Cell,"

Energies, vol. 17, no. 5, p. 998, 2024 [3] M. Bodner et al. "Determining the Total Fluorine Emission Rate in Polymer Electrolyte Fuel Cell Effluent Water", ECS Trans. 80 559, 2017
<https://iopscience.iop.org/article/10.1149/08008.0559ecst> [4] Including results of 2025 calls (e.g. HORIZON-CL4-2025-INDUSTRY-01-51: Development of safe and sustainable by design alternatives to PFAS (IA)) [5] S. H. K. e. al., "A critical review of the application of polymer of low concern regulatory criteria to fluoropolymers II: fluoroplastics and fluoro-elastomers," Integrated Environmental Assessment and Management, vol. 2, no. 19, p. 326–354, 2023. [6] <https://www.euramet.org/european-metrology-networks/pollution-monitoring/pollutants/chemical-pollutants> [7] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [8] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03

- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01

5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.

8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.

4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Reliable, efficient, scalable and lower cost 1 MW-scale PEMFC system for maritime applications

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-03-03

Summary : Reliable, efficient, scalable and lower cost 1 MW-scale PEMFC system for maritime applications **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-03-03>

Description

Expected Outcome: Shipping represents over 90% of world trade and about 3% of global Green House Gases (GHG) emissions. For this reason, shipping companies are under increasing pressure to reduce their carbon footprint and comply with stringent environmental regulations. This demand for sustainable solutions is driven by the EU's FuelEU Maritime Regulation, the International Maritime Organization (IMO), and the Emissions Trading System (ETS). The EU ETS for maritime transport has become operational on January 1, 2024, and is going to be progressively implemented up to 2026. Currently, it applies to all large ships (5,000 gross tonnage and above) that enter EU ports, regardless of their flag. It covers 50% of emissions from voyages that start or end outside the EU and 100% of emissions from voyages between EU ports and within EU ports. Initially, covering CO₂ emissions, ETS plans to include methane (CH₄) and nitrous oxide (N₂O) emissions from 2026. Shipping companies will then need to purchase and surrender allowances for their emissions. Therefore the sector is looking for a fast technological route to decarbonise the existing fleet, and, in recent years, ammonia and hydrogen have been acknowledged as promising green fuels to do so. In this context, fuel cells represent a conversion technology that provides a clean, efficient, and reliable power for ships, and for this reason, over the past twenty years, there has been a significant increase in maritime fuel cell projects, exploring various fuel cell solutions. These projects span a power range from 25 kW to 3 MW and incorporate different technologies, including Proton Exchange Membrane Fuel Cells (PEMFC), Solid Oxide Fuel Cells (SOFC), and Molten Carbonate Fuel Cells (MCFC). [1] Notably, running projects like HyShip (<https://cordis.europa.eu/project/id/101007205>) (funded by the FCH2JU) and HyEkoTank (<https://cordis.europa.eu/project/id/101096981>) (funded by ZEWT) are integrating larger scale fuel cell systems. The former focuses on design and validation of a 2 MW fuel cell liquid hydrogen powered ship, while the latter on the development, approval and demonstration of a 2.4 MW hydrogen fuel cell system. While these initiatives are focusing on higher Technology Readiness Level (TRL) for system integration and retrofitting, the current technological and economic landscape, particularly for scalable multi-stack fuel cell systems (FCS), still faces critical hurdles in cost, reliability, efficiency and durability. Further advancements in terms of lower TRL research and innovation efforts are hence still required to meet the ambitious targets set by regulatory bodies and to gain a competitive edge in an increasingly eco-conscious industry. While new multi-MW size propulsion systems are needed to decarbonise maritime transport, 1 MW sized FCS could already support decarbonising ca. 30% of the global fleet and providing

auxiliary power for half of it [2]. Topic HORIZON-JTI-CLEANH2-2023-03-02: Development of a large fuel cell stack for maritime applications stipulated “Following the validation of “marine ready” and reliable FC stacks (able to operate in multi-modal-modular systems) the proposed project should lay the foundations for future developments of fuel cell system for maritime applications”, therefore this topic represents the next logical step supporting development from stack to fuel cell system for maritime applications. Project results are therefore expected to contribute to all of the following outcomes: Development of low-cost, efficient, and flexible multi-stack FCS architectures suitable for multi-MW deployments, aiming for full-scale demonstrators compatible with end-user requirements by 2030; Further strengthening and consolidating the European fuel cell system supply chain, thereby securing European industry’s competitiveness and strategic independence in critical technologies in a global market for large (MW) scale fuel cell systems; Providing more robust, durable and lower cost MW scale fuel cell systems suitable for future integration in the 10s of MW scale in maritime applications; Encouraging demonstrations that lead to broader local, regional, and Union-wide deployment in various transport sectors; Facilitating the development of and feeding into European and international regulations, codes, and standards for wide spread use of hydrogen and large scale fuel cell systems; Facilitating cross-sector collaboration and knowledge transfer, supporting industry-related skills, and enhancing Small and medium EnterpriseEs’ (SME) involvement in the hydrogen economy; Improvements in design, diagnostics and monitoring procedures of FCS (also looking at innovative measuring / sensor devices at this purpose); Improvements of testing protocols for the quantification of FCS performance and lifetime in maritime environments, including accelerated stress tests; Improvement of overall system performance of FCS in order to increase the availability and durability and meet the needs of naval and maritime end users. Project results are expected to contribute to the following KPIs of the Clean Hydrogen Joint Undertaking (JU) Strategic Research and Innovation Agenda (SRIA) by 2030 for maritime use of PEMFC systems: Fuel cell power rating: 10 MW. Lifetime: 80,000 hours. CAPEX 1000 €/kW. Scope: The scope of this topic is to develop, validate and demonstrate a reliable, efficient, and low-cost PEM based fuel cell system (FCS) with a minimum power output of 1 MW, suitable for further scaling to at least 10 MW for use in maritime applications. Fuel cell stack development and integration of the FCS in a vessel are outside the scope of the project. Proposals should address the following: Develop, build and validate a new hydrogen fuelled FCS with a net power output of at least 1 MW showing actual improvements with respect to SoA regarding reliability, efficiency and cost. The system may contain multiple stacks and multiple modules. The full 1 MW FCS should be demonstrated in relevant environment for at least 1000 hours, enabling to test in moist and salty conditions and considering different air inlet temperature (to simulate different installation areas on board of vessels). A part of the system, providing at least 200 kW and operating against an emulation of the rest of the FCS, should be demonstrated for 40,000 hours by means of Accelerated Stress Test procedures. The FCS should be validated to provide power according to sailing profile/load request of a real vessel in a simulation approach; The FCS architecture should follow a flexible and scalable methodology, encompassing both stacks and balance-of-plant (BoP) components. The methodology should allow extension to at least 10 MW of net power output, minimise the required workload of system integrators and original equipment manufacturers (OEM) (e.g., by exploiting pre-existing standards such as StasHH), and adapt to the requirements of different operating conditions and vessel classes. The project should evaluate the impact of the developed architecture on the Total Cost of Ownership (TCO) of the FCS, as well as the cost characteristics for systems up to 10 MW building on the 1 MW FCS architecture compared to currently available propulsion solutions. Alternative architectural choices may be evaluated to identifying the best solutions for different market segments. The architecture should satisfy the high reliability requirements of maritime applications, and the system should be able to operate robustly in case of failure of single or multiple components, identifying and emulating relevant incident and accident scenarios (e.g., human error, on-board fire, collisions, bad weather conditions) that require specific procedures. Safety aspects should hence be thoroughly analysed for the architectures developed, for all relevant operations (propulsion, hotelling when docked, maintenance, etc.), producing adequate procedures, recommendations and best practices for end users. Develop or adapt open-source simulation tools for multi-MW Fuel Cell Systems (available e.g., from the VirtualFCS project), making them available to system integrators and OEMs to help their design activities. The tools should be demonstrated by performing dynamic simulations of the FCS and all its subsystem in its realised configuration and relevant alternative ones, scaling up to at least 10 MW. Develop and publish open-source control software amenable to be deployed with no or minimal adaptations on real-world vessels, using appropriate communication interfaces. The control algorithms should satisfy relevant operational requirements, such as dynamics, efficiency, reliability and safety. The software should be able to gather, process and communicate relevant data for FCS diagnostics and prognostics. Diagnostics and prognostics for the demonstrator may be developed or adapted from previous projects. Liaise with regulatory bodies and identify the requirements that such a FCS needs to satisfy for type approval, and what implications it has on the design methodology. Looking at future development and on-board integration, the following activities should be envisaged: Scale up activities (targeting specific multi-stack FC systems sizes and cost functions), the setup of a roadmap to TRL9 and the development of potential studies for MW-scale integration on board (and FC stack/system design) are also required. At least one use case, supported by an industrial ship-owner/manager (expected to be part of the consortium or of the Advisory Board) should be developed during the project; Engagement of end-users is crucial to collect their feedback about the proposed FC technology, also at regulatory and non-technical level. Cooperation with FC application in other maritime or similar projects is expected (such as StaSHH [3], HyShip [4], FLAGSHIPS [5], MARANDA, ShipFC [6], etc.) in order to start from their results on system design. The proposals should build upon project H2MARINE [7] (HORIZON-JTI-CLEANH2-2023-03-02: Development of a large fuel cell stack for maritime applications) which is

highly complementary; liaison between successful proposals and H2MARINE is expected to ensure complementarity, leverage synergies and avoid duplication of efforts. Applicants should demonstrate how this will be achieved (e.g. by sharing members of the respective advisory boards, by organizing regular exchanges). Proposals are expected to explore synergies with the activities of Zero Emission Waterborne Transport (ZEWTP) partnership. While designing the FCS system, applicants should apply a ‘circularity by design’ approach and assess the sustainability of the proposed solutions from a life cycle perspective (also benchmarking it with batteries and other FCs not investigated in design/demonstration). e.g., should estimate the carbon footprint expressed in gr CO₂-eq/kWhel. Consortia should involve at least one system integrator, Original Equipment Manufacturers (OEM) and end user, and consider to involve an adequate panel of stakeholders to enable identifying the best solutions for various market segments. In addition, proposals may investigate the spillover potential of the developed FCS architectures in other sectors where MW-class FCS may be employed, such as rail, aviation or stationary gensets, and how the methodology may need to be modified to address these. For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [8] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [9] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to start at TRL 4 and achieve TRL 6 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 7.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] Elkafas, A. G., Rivarolo, M., Gadducci, E., Magistri, L., & Massardo, A. F. (2023). Fuel Cell Systems for Maritime: A Review of Research Development, Commercial Products, Applications, and Perspectives. Processes , 11(1), 97. <https://doi.org/10.3390/pr11010097> [2] The 2020 World Merchant Fleet Statistics from Equasis (link) [3] <https://cordis.europa.eu/project/id/101005934> [4] <https://cordis.europa.eu/project/id/101007205> [5] <https://cordis.europa.eu/project/id/826215> [6] <https://cordis.europa.eu/project/id/875156> [7] <https://cordis.europa.eu/project/id/101137965> [8] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [9] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research

For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research. This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual. STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01

- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: 'Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards'. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Improvements in lifetime and cost of low temperature electrolysers by introducing advanced materials and components in stacks and balance of plant

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-01

Summary : Improvements in lifetime and cost of low temperature electrolysers by introducing advanced materials and components in stacks and balance of plant **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-01>

Description

Expected Outcome: According to IEA's Global Hydrogen Review 2023 [1], the global hydrogen production in 2022 was dominated by the use of fossil fuels while low-emission hydrogen production was less than 0.7% of the global production. A large number of low-emission hydrogen production projects are under development with projected annual production of up to 38 Mt by 2030. Among these, electrolysers projects dominate and aim at reaching 70% of low-emission hydrogen production. Particularly, Europe announced to account almost 30% of such electrolytic hydrogen

projects by 2030 and is focused on projects boosting the supply of low-carbon and renewable hydrogen. Given hydrogen's potential as a clean energy vector and chemical feedstock, and its applicability across various sectors including transportation, industry, and integration of renewables in the power grid, optimising the efficiency and longevity of electrolyzers is of paramount importance. This necessity gives rise to the significance of this topic, aimed at developing advanced materials and/or components for the stack and BoP (Balance of Plant), by understanding and mitigating the degradation mechanisms of low temperature electrolyser components, while at the same time further improving their performance and reducing their reliance on critical raw materials (CRM). By focusing on the development and integration of advanced materials in stack, and BoP components that don't induce degradation or reliability issues or even mitigate degradation, proposals are expected to make a substantial contribution to prolong the lifetime of low temperature electrolyzers and demonstrate cost reduction. Project results are expected to contribute to the following outcomes: Development of advanced cell, stack, and BoP components, including functional and structural materials exhibiting an improved performance and engineered to counteract degradation mechanisms; Increasing the lifetime of electrolyzers; Innovations that reduce the need for CRM and/or Platinum Group Metals (PGM); Improved circularity of materials and components; Increase understanding of relevant degradation mechanisms of materials and/or components and demonstrating effective mitigation using developed materials and/or components. The topic is expected to contribute to the following objectives of the Clean Hydrogen Joint Undertaking Strategic Research and Innovation Agenda (SRIA): Reduce the OPEX (operational expenditures) of low-temperature electrolyzers by prolonging the lifetime, reducing the efficiency loss over time, and/or reduce the maintenance costs. Reduce the CAPEX (capital expenditures) of low-temperature electrolyzers, for example, by using less CRM and/or PGM for materials and components. Improving dynamic operation and efficiency, with high durability and reliability, especially when operating dynamically and integrated with renewables. The project results are expected to contribute to the 2030 Key Performance Indicators (KPI) of the SRIA: Alkaline Electrolysis (AEL) Degradation: 0.10 %/1000 h Performance: 1.0 A/cm² at 48 kWh/kg efficiency (system level) CAPEX: 800 €/kg/d OPEX: 35 €/kg/d/y Critical raw materials as catalyst: 0 mg/W Proton Exchange Membrane Electrolysis (PEMEL) Degradation: 0.12 %/1000 h Performance: 3.0 A/cm² at 48 kWh/kg efficiency (system level) CAPEX: 1000 €/kg/d OPEX: 21 €/kg/d/y Critical raw materials as catalyst :0.25 mg/W Anion Exchange Membrane Electrolysis (AEMEL) Degradation: 0.5 %/1000 h Performance: 1.5 A/cm² at 48 kWh/kg efficiency (system level) CAPEX: 600 €/kg/d OPEX: 21 €/kg/d/y Critical raw materials as catalyst :0 mg/W In addition: at system level the following SRIA KPIs are relevant: Hot idle ramp time: AEL: 10 seconds PEMEL: 1 second AEMEL: 5 seconds Cold start ramp time: AEL: 300 seconds PEMEL: 10 seconds AEMEL: 150 seconds Scope: The scope of the topic is to address the lifetime, performance and cost of low temperature electrolyzers at system level by developing, designing and testing advanced functional and structural materials and/or components for the cell, stack, and BoP. The topic seeks to enhance the performance and durability of low temperature electrolyzers by addressing not only the inherent degradation of the cell/stack itself but also the degradation that might occur on the stack due to interactions with BoP components. For instance, issues such as corrosion and leaching out of ions from piping that can contaminate the feed water, or ripple effects and electrical failures from power converters that can significantly shorten the stack's operational life. The main objective is to develop advanced cell and stack materials and BoP components that don't induce degradation or reliability issues or even mitigate degradation and improve overall system durability. The proposals should address the following elements: Investigate and further develop advanced materials for cell, stack, and BoP components to further increase performance and extend the lifetime of low temperature electrolyzers; Optimise BoP components and architectures to minimise their impact on stack degradation and improve overall system performances and lifetime; also taking care of footprint of those elements in the view of designing future GW size plants; Validate novel solutions in relevant testing conditions to demonstrate their effectiveness in improving the lifetime compared to the baseline. The baseline should match state-of-the-art at the start of the project and be substantiated in the proposal. Additionally, modelling activities may be employed to support these validations; Demonstrate the improved lifetime at system level using an industrially relevant stack of > 20 kW by testing under relevant conditions for a minimum of 2000 hours. Validation should be compatible with system level. It is expected that proposals explain their approach towards this. An example could be the use of a hardware-in-the-loop approach to simulate the operation of system components that are not part of the targeted development; In line with the TRL level aimed at the end of the project, the targeted level of hydrogen purity and outlet pressure should be indicated and taken into account when performing cost-calculations; Describe how the dynamic conditions arising from connection to the renewable grid will be addressed and justify the chosen approach (for example simulation of fluctuating power input from renewable energy); Sustainability, circularity and recycling aspects for the chosen materials and their manufacturing processes and perform techno-economic and life cycle assessments for the chosen developments. The expected TRL step at the end of the project should increase from TRL 3 to 5 or from TRL 4 to 6 depending on the chosen technology. Proposals should be aware of the current maturity level of the different technologies and should define their initial and final TRLs accordingly. In general, the technologies have a different maturity level and thus it may be expected that for PEMEL and AEL materials and component innovation would correspond with a TRL 4 to 6 step, whereas for AEMEL this could correspond to a TRL 3 to 5 step. Proposals are also expected to reach the 2030 SRIA targets as mentioned above. The following activities are within the scope of this project and the proposal should meet at least three of the following points and should include the two first points: Investigate and further develop advanced cell components such as, but not limited to, electrodes (with minimised loading of CRM/PGM), membranes/electrolyte separators, functional additives (e.g. radical scavengers), joints and sealings, coatings, stack components such as bipolar plates and associated manufacturing processes that can realise

CAPEX reduction and lifetime improvements at stack level under realistic operating conditions; Investigate and further develop advanced BoP components that prolong the lifetime of electrolyzers, for example but not limited to: innovative H₂ compressors, power electronics that reduce (the effect of) ripples, minimise corrosion and leaching out of ions from the BoP parts such as piping and pumps by using alternative materials and/or coatings, and/or minimise the effect of impurities in the water feed for example by ion exchange; Understand through experiments the different mechanisms affecting the performance of cell components such as the examples mentioned above during stack operation, and how the proposed development minimises the degradation along extended operation under realistic conditions. Modelling activities can be used to support these findings; Develop protocols for accelerated ageing and degradation monitoring that specifically target ageing mechanisms complementing the existing EU-harmonised testing protocols for low temperature electrolysis; Understand and minimise the impact of dynamic operation and grid integration, such as start/stop events and load fluctuations, under realistic operating conditions; Develop a lifetime model with a predictive value based on data acquired by testing at lab scale and stack scale. Proposals are expected to build further on the findings and targets of previous projects and find synergies with running projects in which the improvement of the lifetime at stack level of low-temperature electrolyzers was within the scope. It is encouraged to find synergies with the ELECTROLIFE [2] project, supported by the JU, that focuses on comprehensive understanding of electrolyser degradation mechanisms through testing and modelling. It is also encouraged to have an electrolyser (stack) manufacturer in the consortium for this topic. Proposals are also expected to build on previous projects (ANIONE [3], CHANNEL [4], ELECTROHYPER [5], NEPTUNE [6], NEWELY [7], NEXPEL [8], NOVEL [9], PRETZEL [10]) and find synergy with existing projects (HyScale [11], HERAQCLES [12], AEMELIA [13], ENDURE [14], EXSOTHyC [15], SEAL-HYDROGEN [16]) in which the development of novel materials is/was in scope. In addition, synergy and learnings can be found with previous projects on the coupling of low temperature electrolysis with renewables such as DEMO4GRID [17], ELY4OFF [18], ELYGRID [19], ELYntegration [20]. Proposals should address the manufacturability of the components and materials to be developed. It is expected to provide a well-documented assessment of the scalability of manufacturing processes and procedures, as well as the sustainability and circularity of the selected materials and their production methods. For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [21] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [22] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 3-4 and achieve TRL 5-6 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 4.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis [1] IEA (2023), Global Hydrogen Review 2023, IEA, Paris <https://www.iea.org/reports/global-hydrogen-review-2023>, Licence: CC BY 4.0 [2] <https://cordis.europa.eu/project/id/101137802> [3] <https://cordis.europa.eu/project/id/875024> [4] <https://cordis.europa.eu/project/id/875088> [5] <https://cordis.europa.eu/project/id/300081> [6] <https://cordis.europa.eu/project/id/779540> [7] <https://cordis.europa.eu/project/id/875118> [8] <https://cordis.europa.eu/project/id/245262> [9] <https://cordis.europa.eu/project/id/303484> [10] <https://cordis.europa.eu/project/id/779478> [11] <https://cordis.europa.eu/project/id/101112055> [12] <https://cordis.europa.eu/project/id/101111784> [13] <https://cordis.europa.eu/project/id/101137912> [14] <https://cordis.europa.eu/project/id/101137925> [15] <https://cordis.europa.eu/project/id/101137604> [16] <https://cordis.europa.eu/project/id/101137915> [17] <https://cordis.europa.eu/project/id/736351> [18] <https://cordis.europa.eu/project/id/700359/es> [19] <https://cordis.europa.eu/project/id/278824> [20] <https://cordis.europa.eu/project/id/671458> [21] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [22] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an

additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million
- Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research
- For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and

- Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
 8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109176":[{"action":"HORIZON-JU-CLEANH2-2025-05-03 - HORIZON-JU-CSA HORIZON JU Coordination and Support Actions","expectedGrants":1,"minContribution":1000000,"maxContribution":1000000,"budgetYearMap":{"2025":"184500000"},"plannedOpeningDate":"2025-01-30","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"HORIZON-JU-CLEANH2-2025-05-02 - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions","expectedGrants":1,"minContribution":2000000,"maxContribution":2000000,"budgetYearMap":{"2025":"184500000"},"plannedOpeningDate":"2025-01-30","deadlineModel":"single-stage","deadlineDates":["2025-04-23"]}],{"action":"HORIZON-JU-CLEANH2-2025-02-01 - HORIZON-JU-RIA HORIZON JU Research and
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Summary : Simultaneous ionomer and iridium recycling **Status :** Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-05-01>

Description

Expected Outcome: Low-carbon hydrogen, produced via methods such as proton exchange membrane water electrolysis (PEMWE), offers a promising alternative to fossil fuel consumption in various energy sectors. However, the practical implementation of the clean energy transition requires: (i) sustainable supplies of critical raw materials such as platinum group metals (PGMs) and (ii) strategic processed materials such as fluoropolymers. Increasing material recycling rates can: (i) reduce environmental impact, (ii) enhance production efficiency, and (iii) create new jobs. These outcomes are aligned with the European Commission's goal to strengthen European value chains. Additionally, the European Commission and industry stakeholders aim to increase electrolyser manufacturing capacities tenfold by 2025 to support the EU's target of 10 million tons of renewable hydrogen production by 2030 (REPowerEU) [1]. The core and key component of Proton Exchange Membrane Water Electrolysers (PEMWEs) is the catalyst-coated membrane (CCM). To facilitate water splitting into its constituent elements (i.e., hydrogen and oxygen), iridium (Ir)-based catalysts at the anode, platinum-based electrocatalysts at the cathode, and a proton exchange membrane (PEM) are utilised. Furthermore, state-of-the-art membranes are based on perfluorosulfonic acid (PFSA) polymers. Currently, no viable alternatives to Ir as an electrocatalyst provide the same efficiency and durability under the high-voltage and acidic conditions prevalent in PEMWE. The implications for Ir demand can be significant if PEMWE anodes with a low loading of Ir and improved collection systems for end-of-life Ir-containing materials from other industries are not developed [2]. Another crucial component of PEMWEs is the proton exchange membrane, which is used as a barrier between anode and cathode and selectively allows the migration of protons. Currently, no technologically mature alternatives to replace PFSA-based membranes in PEM technologies can meet the required industrial targets (e.g., performance, durability, lifetime, and industrial scaling). PFSA is also used in the formulation of the electrocatalytic layers. Currently, the end-of-life (EoL) path for PFSA materials is incineration in dedicated ovens, which destroys the valuable ionomer in the process and requires scrubbers to handle the highly corrosive fluor acids in the exhaust fumes. Recycling the polymer at EoL is crucial to minimise environmental impacts of per- and polyfluoroalkyl substances, and reduce the CO₂ footprint of end of life (EoL) stacks by providing a second life for the ionomer. Therefore, this topic aims to contribute to the industrial solutions for addressing emerging environmental concerns and regulations related to fluorinated materials in the long term. Project results are expected to contribute to the following outcomes: Contributing to the EU's net-zero strategy by providing technological guidelines for recycling Ir and the PFSA ionomer; Demonstrating the ability to alleviate potential Critical Raw Material (CRM) shortages and increased supply chain resilience for PEMWE manufacturing in the EU; Developing standardised test method(s) for evaluating EoL PFSA ionomer and Ir. Project results are expected to contribute to the following objectives and Key Performance Indicators (KPI) of the Clean Hydrogen Joint Undertaking (JU) Strategic Research and Innovation Agenda (SRIA) [3]: Minimum CRMs/PGMs (other than Pt) recycled from scraps and wastes (30% by 2024, 50% by 2030); Minimum ionomer recycled from scraps and wastes (70% by 2024, 80% by 2030). Project results are expected to contribute to the following objectives: Analyse the effectiveness and efficiency of Ir recycling technologies with respect to costs and environment; Minimum purity thresholds for recycled ionomer that will be used in electrochemical, hydrogen-related applications: >99.5%. Bivalent Metal Ions (Fenton-metals) impurities < 15 ppm and other impurities < 500 ppm; Performance and durability of a membrane produced from mixed sources to be comparable to a state-of-the-art reference assessed within PEMWE applications; Delivery of viable test methods to assess the degradation state of end-of-life materials; Life Cycle Assessment (LCA) and Techno-Economic Analysis (TEA) of both (Ir, ionomer) recycling routes. Scope: This topic aims at simultaneously recycling Ir and ionomers after catalyst-coated membrane (CCM) separation from the PEMWE stack at the EoL and/or from scraps and waste. The novelty and contribution of this topic is to understand the impact of the separation process of the waste stream on the ionomer and PGMs (possible impurities, degradation of the polymer's molecular structure, change in physical/chemical properties, performance, etc.). This fundamental understanding of material degradation is crucial for optimising their quality before their re-use in PEMWE cells to ensure sustainable circularity. Recycling efforts are also being pursued in projects, such as SUSTAINCELL [4] and BEST4Hy [5]. The critical difference is that the BEST4Hy project targets fuel cell technologies and platinum only, while this topic focuses on PEMWE technology, specifically addressing the recycling of Ir and the ionomer. Further, the project funded by this call can contribute to and be complemented by EU-funded projects on sustainable hydrogen production, such as CLEANHYPRO [6] and H2SHIFT [7]. CLEANHYPRO could facilitate (partial) testing within the scope of the open innovation test bed whereas H2SHIFT could complement in the need of a techno-economic analysis. The scope of the project should include: Development of new measurement technologies for characterising the degradation state of ionomer in both the PEM and the electrocatalytic layers; Assessment of physical-chemical properties of membranes from recycled ionomer and mesoscale morphology; Development of new methods to separate the

ionomer; Manufacturing of CCMs with Ir and recycled ionomer from production waste, and assessment of their beginning-of-life performance and durability via accelerated stress tests (ASTs) in PEM water electrolysis single cell or short stacks (>1000 hrs cell test and comparison to a short stack comprising of a virgin ionomer membrane) [8] ; Evaluation and demonstration of the feasibility of the developed recycling processes through techno-economic analysis and life cycle assessment; Evaluation of the possibility of mixing different ionomers (e.g. , recycled ionomer with virgin ionomer, different chemistries, etc.) for their application in catalyst layers, membranes, and alternative applications; Manufacturing and testing of membranes from a blend of fluoropolymers from different sources in PEMWE cells, focusing on hydrogen gas crossover, performance and tolerance to accelerated ageing; Evaluation of the performance of recycled ionomer in a laboratory scale environment (e.g., 0.5-10 grams of ionomer); in-situ cell testing and ex-situ testing (scanning electron microscopy, thermogravimetric analysis, tensile testing, swelling behaviour in water, equivalent weight (EW), study of the electrical response) compared to virgin ionomer; Evaluation of the quality of production waste and EoL ionomer batches (e.g., 50-500 g) by: Using the recycled ionomer in the catalyst layer and membrane of PEMWE cells; Analysing of ionomer performance both ex-situ and in cells with accelerated stress testing; Developing new measuring methods for determining ionomer degradation state; Enable short stack testing for at least 1000 h comprising of the recycled ionomer. Verifying the purity of the recycled Ir in collaboration with industrial partners. A purity for Ir of $\geq 99.9\%$ should be achieved; Verifying the quality and performance of recycled iridium from new recycling methods Assessing alternative applications of the recycled ionomer; Development of pre-processing guidelines for the input materials (granulation, extraction, homogenisation etc.) to reduce the recycling time and enhance efficiency; Providing advice on stack design considerations to improve the recyclability of ionomer by allowing better separation of CCMs from the stack and ionomer from the CCM; Industrial methods for making membranes and CCMs of the EoL ionomer with the ability to run short stack testing. For the success of the project funded by this call, the project consortium should have access to end-of-life PEMWE components (e.g. , cells, MEAs, CCMs) to evaluate real industrial waste and ensure the practical applicability of the developed solutions. Proposals are expected to build further on the findings and targets of previous projects and find synergies with running projects (namely the projects mentioned above), as well as with the recently established Innovative Materials for EU Partnership. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 3 and achieve TRL 5 by the end of the project - see General Annex B The JU estimates that an EU contribution of maximum EUR 3.50 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/repowereu-affordable-secure-and-sustainable-energy-europe_en [2] A study by the German Mineral Resources Agency (DERA) found that by 2040 the global annual Ir demand for PEMWE can reach 10 tons/year and up to a total of 34 tons/year under the shared socioeconomic pathway (SSP) 1 (Sustainability – Taking the green road). [3] Clean Hydrogen Partnership, Strategic Research and Innovation Agenda 2021-2027, 2022. [4] SUSTAINCELL's primary goal is to recycle ionomer and precious group metals (PGM) sourced from end-of-life cells, membrane electrode assemblies (MEAs), scraps, and waste. They are also focused on implementing eco-design principles and environmentally-friendly manufacturing methods to develop new materials and architectures. Additional information at <https://cordis.europa.eu/project/id/101101479> [5] Best4Hy aimed at achieving a platinum recovery rate of $\geq 80\%$ via a hydrometallurgical process and an ionomer recovery of $\geq 80\%$ via an alcohol dissolution process. Additional information at <https://cordis.europa.eu/project/id/101007216> [6] The primary objective of the project is to develop and organise a sustainable Open Innovation Test Bed (OITB) for electrolysis materials and components, providing a network of facilities and services through a Single Entry Point (SEP). Additional information at <https://cordis.europa.eu/project/id/101091777> [7] H2SHIFT's primary focus is to create an innovation and excellence center for innovative hydrogen production technologies open to start-ups and small to medium-sized enterprises from Europe and around the world. Additional information at <https://cordis.europa.eu/project/id/101137953> [8] EU harmonised accelerated stress testing protocols for low-temperature water electrolyser, <https://publications.jrc.ec.europa.eu/repository/handle/JRC133726>

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .

3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
- HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
- HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
- HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:
 - HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109176":[{"action":"HORIZON-JU-CLEANH2-2025-05-03 - HORIZON-JU-CSA HORIZON JU Coordination and Support
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General Info

Topic ID : HORIZON-JU-CLEANH2-2025-06-02

Summary : Small-scale Hydrogen Valley **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-06-02>

Description

Expected Outcome: Hydrogen Valleys are hydrogen ecosystems that cover a specific geography ranging from local or regional focus (e.g. industrial cluster, ports, airports, etc.) to specific national or international regions (e.g. cross border hydrogen corridors) [1] Hydrogen Valleys showcase the versatility of hydrogen by supplying several sectors in their geography such as mobility, industry and energy end uses. They are ecosystems or clusters where various final applications share a common hydrogen supply infrastructure. Across their geographic scope, Hydrogen Valleys cover multiple steps in the hydrogen value chain, ranging from hydrogen production (and often even dedicated renewables production) to the subsequent storage of hydrogen and distribution to off-takers via various modes of transport. Whilst most of the projects are in the EU, over the past years, Hydrogen Valleys have gone global, with new projects emerging worldwide. Mission Innovation has set a target of deploying 100 large-scale Hydrogen Valleys worldwide by 2030 [2] . Hydrogen Valleys are starting to form the first regional "hydrogen economies". Already under the previous programme, the Clean Hydrogen Partnership provided support to several Hydrogen Valleys across different locations in EU and of different sizes. It is however necessary to continue the accelerated deployment of Hydrogen Valleys as required by RePowerEU (with a target to double the number of hydrogen valleys by 2025) and to contribute to the objectives of the European Hydrogen Strategy, the EU Green Deal, and Fit for 55, and finally overcome common challenges linked to storage and distribution that may be territory specific. To do this it is necessary to have ‘testbed’ projects to act as first real-life cases for piloting global hydrogen markets. These projects need to be expanded in scale to demonstrate the full range of benefits from the use of hydrogen. Project results are expected to contribute to all the following expected outcomes: Anchorage of new demand for renewable hydrogen; Interaction and synergies among initial test beds; Full integration into the broader cross-sectoral energy ecosystem; Improvement of the perception of public towards hydrogen technologies, by ensuring a high visibility of the project and associated technologies to the local public and EU citizens, to connect initial demonstrations and to create synergies with existing energy infrastructure; Emergence of new hydrogen valleys, through dissemination of learnings. Scope: The scope of this flagship topic is to develop and demonstrate a small-scale Hydrogen Valley. It could demonstrate a combination of technologies either in existing and/or new markets for clean hydrogen, especially when applications are used in symbiose with each other. Proposals should demonstrate innovative approaches at system level: systemic and synergetic integration of hydrogen production (not restricted to electrolysis), distribution and end-use technologies. Proposals may also investigate interoperability, cause-effect stability of the overall system. Technologies demonstrated should be state-of the-art following technological developments previously funded by (but not limited to) the Clean Hydrogen Partnership. Proposals should respond to the following requirements: Production of at least 500 tonnes of clean hydrogen [3] , [4] per year using new hydrogen production capacity (at least for the last 2-years of project demonstration). Due to the large volumes of hydrogen involved, production plants may be distributed across the territories involved but should share common hydrogen supply infrastructure; Use of the hydrogen produced to supply one or more end sector or application in the energy, industry, and transport sectors; Monitoring and assessment activities including at least two years of operations; Provision of a clear, professional, and ambitious communication plan to ensure high visibility to the public including clear, measurable, and ambitious Key Performance Indicators (KPI); Demonstration of how hydrogen enables sector coupling, allows for example H2 storage and/or large integration of renewable energy [5] and provides an optimum techno economic solution for the decarbonisation of the activities in the geographical area being addressed; Reduction of the carbon emissions and impact on air quality related to the end-uses compared to incumbent technologies; Demonstration of how financial viability is expected to be reached after two years of operation. Proposals should also: Provide concrete project implementation plans with a clear calendar, defining the key phases of the implementation of the action (i.e., preparation of the specifications of equipment, manufacturing, permitting, deployment, and operation) and their duration; Provide a funding plan to ensure implementation of the project in synergies with other sources of funding. If no other sources of funding will be required, this should be stated clearly in the proposal, with a commitment from the partners to provide own funding. If additional sources of funding will be required, proposals should present a clear plan on which funding programmes at EU and/or national levels will be targeted [6] . In these cases, applicants should present a credible planning that includes forecasted funding programmes and their expected time of commitment; Clearly and coherently present the Hydrogen Valley (across the whole value chain including hydrogen production, distribution and storage and end uses) including the investments/actions supported directly by this topic as well as other investments/actions

supported by other funding /financing sources [7] which are part of the hydrogen valley to be deployed and demonstrated in line with the topic requirements; Provide evidence of the commitment and role of public authorities (Member States, Regions, and Cities) and of any other necessary stakeholders (e.g. hydrogen off-takers) at least in the form of Letters of Intent (LOI). The practical implementation of these LOI will be followed during the Grant Agreement implementation; Provide a preliminary ‘hydrogen safety planning and management plan’ [8] at the project level, which will be further updated during project implementation; Ensure coverage of aspects such as replicability and (cross-border) cooperation between regions to facilitate transfer of knowledge across the EU with a focus on fostering replication of Hydrogen Valleys elsewhere; Demonstrate how synergies with existing hydrogen demonstration projects or hydrogen valleys will be ensured especially when it comes to skills and know-how exchange; Provide a scalability analysis that includes the broader energy system showing how the valley is expected to grow, where applicable; Highlight sustainability aspects in their description. Proposals are expected to collaborate with the successful applicants under topic “HORIZON-JU-CLEANH2-2025-05-03 on ‘Knowledge transfer and training of civil servants, safety officials, and permitting staff to improve safety assessment and licensing procedures across Europe’ The costs for the construction and commissioning phase of the hydrogen production technologies including connection (e.g connection to the electricity grid, electricity costs) and other hydrogen infrastructure (e.g HRS, storage, pipelines, etc) may be funded while costs of renewable energy plants (e.g., PV or wind plant) or related costs for operation of the Hydrogen Valley (e.g., electricity for electrolyzers) will not be funded. The costs for the development, construction and commissioning phase of the hydrogen infrastructure (e.g. electrolyzers, HRS, etc.) including connection costs (e.g. connection to the electricity grid). Costs of renewable energy plants (e.g., PV or wind plant) or related costs for operation of the Hydrogen Valley (e.g., electricity for electrolyzers) are not eligible for funding. Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. It is expected that Guarantees of origin (GOs) will be used to prove the renewable character of the hydrogen that is produced/used. In this respect consortium may seek out the issuance/purchase and subsequent cancellation of GOs from the relevant Member State issuing body and if that is not yet available the consortium may proceed with the issuance and cancellation of non-governmental certificates (e.g CertifHy [9]). Proposals are expected to contribute towards the activities of the EU Mission on Climate- Neutral and Smart Cities, Mission Innovation 2.0 - Clean Hydrogen Mission and the H2V platform. Cooperation with entities from Clean Hydrogen Mission member countries, which are neither EU Member States nor Horizon Europe Associated countries, is encouraged (see section 2.2.6.7 International Cooperation). Proposals should provide a preliminary draft on ‘hydrogen safety planning and management’ at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2. The TRL of the applications in the project should be at least 6 at the beginning of the project while the overall concept should target a TRL 8 at the end of the project - see General Annex B. The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://h2v.eu/media/7/download> [2] https://ec.europa.eu/info/news/mission-innovation-launches-new-global-coalition-support-clean-hydrogen-economy-2021-jun-02_en [3] As defined in the SRIA of the Clean Hydrogen JU, clean hydrogen refers to renewable hydrogen. To the demonstration addressed in the proposal it can be foreseen that in the early stages low carbon hydrogen could be used. However, the objective is to move to renewable or clean hydrogen as an ultimate objective in the project. Please refer to the paragraph Rationale for support of the section 3.7 of the SRIA of the Clean Hydrogen JU. [4] Renewable hydrogen is hydrogen produced using renewable energy (Renewable Energy Directive 2018/2001/EU). [5] In line with the definitions provided in the Renewable Energy Directive 2018/2001/EU [6] Including applications for funding planned, applications for funding submitted and funding awarded. [7] In the context of the topic other investments/actions refer to parts of the hydrogen valley which are necessary to respond to the topic requirements and to deliver a fully functional hydrogen valley but that are not supported with the funding of the Clean Hydrogen JU (e.g. hydrogen production plant supported with national funding or HRS supported with funding from the Connecting Europe Facility – Transport (CEF-T)) [8] https://www.clean-hydrogen.europa.eu/get-involved/european-hydrogen-safety-panel-0/reference-documents_en [9] <https://www.certifhy.eu>

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.

2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .

STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06

- HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): hydrogen production plant, distribution and storage infrastructure and hydrogen end-uses, costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:
- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)
-
- AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)
- SRIA Clean Hydrogen JU Lump Sums Guidance
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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA

Budget Overview

Innovation Actions", "expectedGrants": 2, "minContribution": 4000000, "maxContribution": 8000000, "budgetYearMap": {"2025": "184500000"}, "plannedOpeningDate": "2025-01-30", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-23"]}]}}

Development of cost effective and high-capacity compression solutions for hydrogen

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-02-02

Summary : Development of cost effective and high-capacity compression solutions for hydrogen **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-02-02>

Description

Expected Outcome: Cost-effective and high-capacity hydrogen compression in a wide pressure range is an important component for enabling fossil-price parity of green hydrogen for Power-to-X (PtX) and transport fuel onwards 2030. This calls for substantially reduced CAPEX and OPEX costs and improved efficiency and reliability for hydrogen compression compared to state-of-the-art, through pursuing new innovations and designs. This requires pioneering new design solutions to address the unique challenges of hydrogen compression, such as material degradation and leak tightness under high-pressure conditions and ensuring structural integrity to prevent component failures. Innovations might include exploring novel design for currently used materials or the development of new materials resistant to hydrogen embrittlement and high-temperature hydrogen attack, and advanced leak detection and mitigation systems. Furthermore, innovations could include disruptive and breakthrough enhancements with a strong emphasis on solutions that can withstand varied operational stresses. Previous EU-funded projects [1] e.g electrochemical compression (PHAEDRUS [2]), thermochemical compression (COSMHYC [3] , COSMHYC XL [4] & COSMHYC DEMO [5]), hydraulic boosters (H2Ref [6] & H2Ref Demo [7]), are helping to progress hydrogen compression towards achieving the Clean Hydrogen JU SRIA 2024 targets. However, for hydrogen compression to contribute to enabling fossil-price parity a further stretch towards the SRIA 2030 targets is required. Market segments such as Power-to-X (PtX) and transport fuel at the same time requires much higher compression capacities in a wide pressure range as a mean to reduce costs, compared to what is currently cost-feasible for state-of-the-art. Project results are expected to contribute to all of the following expected outcomes: Development of innovative scalable hydrogen compression solutions; Enhancing European leadership on hydrogen infrastructure solution based on compression technologies; Accelerating the deployment, uptake and diffusion of European innovative compression technologies, through wide and early engagement with end-users, SMEs, start-ups, and regulatory & standardisation bodies; Lowering the costs of production of green hydrogen, thus accelerating the expansion of a hydrogen-based infrastructure (for which hydrogen compression is a key element). Project results are expected to contribute to the following objectives and KPIs of the Clean Hydrogen JU SRIA: Inlet pressure: 30 bar or lower; Outlet pressure: up to 900 bar or higher; Minimum capacity: 150kg/hour or higher (30 bar inlet and 900 bar outlet); Electrical energy consumption including auxiliaries (steady inlet 30bar to steady outlet 900 bar): 3 kWh/kg; Mean Time Between Maintenance (MTBM) at 95% confidence level: 8,000 hours; If relevant consider the SRIA 2030 Mean Time Between Failure (MTBF) of 60,000 hours OPEX (maintenance): 0,2 €/kg with a roadmap to the SRIA 2030 target of 0,03 €/kg; CAPEX (30-900 bar 150kg/hour): 3,500€/kW (438 €/kg/day at 3kWh/kg and 150kg/hour). Scope: This topic aims at addressing the two-folded challenge of reducing hydrogen compression costs whilst at the same time leaping a substantial capacity increase and in a wide pressure range. Proposals should develop highly disruptive compression technologies or achieve breakthrough on conventional compression technologies – or a combination of both novel and conventional technologies. Proposals should develop a flexible hydrogen compression solution that is adaptable across a wide range of applications in order to capture aggregated market volume and resultant reduced costs. This should at least cover PtX applications in the range of 30-200bar (off-take from electrolyzers/pipelines and supply for industrial gas applications) and 200-900bar for supply to Medium and Heavy-Duty (MHD) vehicle Hydrogen Refuelling Stations (HRS), compressors for pipeline feeding of H2 in the range of 30-200bar, as well as high pressure trailer filling facilities (500+bar). To effectively integrate compression technologies into the required pressure range, it is also crucial to develop the required materials technology to address the unique challenges posed by the intake

of hydrogen by the system components, potentially leading to degradation through mechanisms such as hydrogen embrittlement and high-temperature hydrogen attack. These challenges are exacerbated at high pressures. Developing a comprehensive understanding of how compressors deteriorate under real-world operating conditions is essential for achieving reliability and economic targets. Proposals should cover the following elements: Development and operation of a full-scale hydrogen compressor prototype, in a relevant environment, for achieving TRL5 (e.g. test centre with simulated or real supply and off-take that resembles relevant PtX and MHD HRS applications being targeted); The compressor solution should feature a design that allows for flexible adaption to accommodate different pressure and capacity ranges in order to maximise potential following commercial market volume; Compatibility of the hydrogen compression solution with liquid hydrogen supply in the case of MHD HRS applications should be considered – e.g. capturing gaseous hydrogen outlet from conventional liquid supply setups. The compression solution should prove the ability to achieve the capacity and targets relevant for the market applications being targeted by the proposal. Targets outlined for this topic use the HRS application as baseline, where at least 150 kg/h (3,6 tons/day) capacity in the pressure range of 30-900 bar, and 5000 kg/h for pipelines transport. This will be required to enable use in HRSs with sufficient capacities for fast fueling of MHD vehicles. The pressure range and capacity would also support various PtX market segments such as electrolyser/pipeline off-take, industrial gas use and high-pressure trailer filling facilities. Proposals may also choose to target achieving of compressor direct filling. Proposals should include development activities targeting compressor designs with high capacity (2.5 tons/day) e.g. through higher compression ratios, increased operation speed or other relevant means. Proposals may however choose to target an outlet pressure lower than 900 bar e.g. if focusing on specific market applications where solutions are missing or too costly. Despite increasing of capacity likely will stretch the physical design parameters, energy efficiency and reliability is to be improved at the same time. This may be done by e.g. exploring use of new or novel materials and/or coatings with reduced friction and longer lifetime and/or reducing wear and increasing efficiency by means of cooling, or by developing non-mechanical hydrogen compression solutions. Proposals should include thorough testing of a full-scale (or reduced-scale for early-stage technologies) compression prototype in an operational environment that is adequate for achieving TRL5 (or higher) and validate reaching of targets. Operation in a test center should resemble real conditions for supply/off-take in PtX market segments and MHD HRSs including relevant start/stop conditions and fluctuating inlet/outlet pressures, potentially using new monitoring and sensor techniques. Whereas 8,000 hours of MTBM may not realistically be achieved during the test period of a project, the potential for achieving the target should be substantiated as part of the test efforts. Proposals may also consider the SRIA 2030 Mean Time Between Failure (MTBF) target of 60,000 hours if this can be quantified as part of the project at the targeted TRL level. Proposals should substantiate that an OPEX level of 0,2 €/kg can be achieved for the compression solution and should develop a roadmap towards reaching of the SRIA 2030 target of 0,03 €/kg beyond the project. Requirements or guidelines from European and International hydrogen standardisation bodies relevant for hydrogen compression should be considered for the activities to be undertaken. In addition, proposals may include a technical simulation-based analysis of the integration of the developed flexible hydrogen compression into the future hydrogen infrastructure (e.g. gas grid and caverns) if relevant for the market applications being addressed. Whereas proposals are to achieve minimum TRL5 only, efforts should also be included on planning and preparing following activities that can further advance the compression solution eventually to a market ready product. Consortium behind a proposal should include stakeholders capable of and with plans for a further advancement and market introduction. Proposals are encouraged to explore synergies with projects within the metrology research programme run under the EURAMET research programme, in particular projects DECARB [8] and Met4H2 [9]. These projects are working on development of leak detection measurement standards and method, what may be required to evaluate any hydrogen impurities the compression step may introduce. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to achieve TRL 5 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 5.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] Alternative technologies have already been investigated in the frame of previous of all these EU funded projects [2] <https://cordis.europa.eu/project/id/303418> [3] <https://cordis.europa.eu/project/id/736122> [4] <https://cordis.europa.eu/project/id/826182> [5] <https://cordis.europa.eu/project/id/101007173> [6] <https://cordis.europa.eu/project/id/671463> [7] <https://cordis.europa.eu/project/id/101101517> [8] Metrology for decarbonising the gas grid (Decarb) <https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-for-decarbonising-the-gas-grid> [9] Metrology for the hydrogen supply chain (Met4H2) <https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-for-the-hydrogen-supply-chain>

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application

Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.

2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03

- HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:
- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

• AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

[illegible]

Improved lifetime and cost of high-temperature electrolyzers by introducing innovative materials and components in stacks and BoP

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-02

Summary : Improved lifetime and cost of high-temperature electrolyzers by introducing innovative materials and components in stacks and BoP **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-02>

Description

Expected Outcome: Water/steam electrolysis, when coupled with renewables bears the potential of enabling the decarbonisation of hard-to-abate industrial sectors via the introduction of renewable hydrogen. Steam electrolysis technologies such as solid oxide electrolyzers (SOELs) and proton conducting ceramic electrolyzers (PCCEL) operate at high temperatures and therefore yield high efficiencies. However, the cost of hydrogen production via electrolysis remains higher than those of other routes, such as steam methane reforming. Therefore, it is paramount that the lifetime and energy densities are maximised and the system integration with BoP components is improved to bring both the CAPEX and the OPEX down, thus resulting in more affordable renewable hydrogen costs for the end-users. The degradation mechanisms, from which high temperature electrolyzers suffer, are mainly tied to the material in their stack such as the electrolyte, electrodes, interconnects, and seals, depending on operation temperature, pressure and thermal cycling; but they can also be related to their surroundings including balance of plant (BoP) components, for instance, and load variation and fluctuation upon connection with the external grid. Therefore, project results are expected to contribute to the following expected outcomes: Improvements to already conceptualised novel materials including electrocatalysts, electrodes, metallic interconnects, coatings, and seals enabling increased lifetime to the ensemble of both single cells and stacks; Use of advanced manufacturing techniques to tackle issues with interfaces within the cell structure to minimise polarisation; Promote circularity of materials and components, by working on upstream (during manufacturing) and downstream (end of life) recycling, to integrate recycled materials, such as Ni, Co, Ce, La, and others, into the components, addressing the concerns with critical raw materials utilisation and hence strengthening the European hydrogen value chain on high-temperature electrolyzers; Improvements to eventual multi-stack configuration to minimise the degradation mechanisms through optimising the control of the different stacks and the interactions between them, as well as BoP architecture; Introduction of accelerated stress test protocols on both single cell and stack levels to assure quality and lifetime of cells, stacks, and ultimately systems, including BoP; Balance of plant configuration that demonstrates satisfying performances at the system level. This includes new stack insulation strategies and materials, hot box systems, improved power electronics, innovative valorisation strategy of waste heat (e.g., for efficient compression or gas purification), and innovative design for multi-stack configuration. This innovative balance of plant configuration will enable to optimise the efficiency of the system's lifetime and reliability; Paving the way towards European leadership for renewable hydrogen production from high-temperature electrolysis, with enhanced heat integration. Within this scenario, project results are expected to contribute to the following objectives and 2030 KPIs of the Clean Hydrogen JU SRIA for SOEL and PCCEL, as follows: SOEL: To reach current densities over 1.2 A/cm² at thermoneutral voltage; To demonstrate average degradation rates lower than 0.5%/1,000 h or equivalent to 6.4 mV/1,000 h per cell, on thermoneutral voltage; To operate steadily with an electrical demand of < 37 kWh/kg of H₂ and a heat demand of < 8 kWh/kg of H₂ at nominal capacity at a system level. PCCEL: To reach current densities over 1.0 A/cm² at thermoneutral voltage; To demonstrate average degradation [1] rates lower than 0.8%/1,000 h or equivalent to 10.3 mV/1,000 h per cell, on thermoneutral voltage; To operate steadily with an electrical demand of < 40 kWh/kg of H₂ and a heat demand of < 10 kWh/kg of H₂ at nominal capacity at a system level. Scope: The scope of this topic is centred around minimising the effects of degradation to consequently extend the lifetime of high temperature steam electrolyzers (HTSE) such as solid oxide electrolyzers (SOEL) and proton-conducting ceramic electrolyzers (PCCEL). HTSE technology has the potential to achieve a low cost of hydrogen production because of its higher energy efficiency due to

the operation at high temperature. However, because of the latter, degradation mechanisms such as electrocatalyst agglomeration and migration, delamination of electrodes from electrolyte layers, interconnects oxidation, thermal cycling failure and structure cracking for instance of sealings are common sources of lifetime degradation and further reasons for the replacement of components or even full stacks. In addition to that, instability in load due to renewables intermittency or grid fluctuations are also sources of degradation and need to be addressed accordingly. Moreover, the link between materials improvements and design (of cells, stacks, modules, systems, and balance of plant) should be demonstrated. Electrolysers are supposed to target lifetimes of over 40,000 hours, albeit undergoing long-term calendar tests (> 10,000 hours) is rather impractical, and thereby this sets the scene for accelerated-stress tests (AS-T) and modelling techniques that can predict the lifetime achieved by potential new technologies. Considering the above-given background, the project should address the following issues: Materials and advanced manufacturing techniques improvements aiming to address the deactivation of electrocatalysts within the fuel electrode, microstructure sintering and interdiffusion between species within the oxygen electrode, degradation of sealing due to long-term high temperature operation, chromium oxidation in interconnect stainless steels and growth of poorly conducting oxide layers between the metallic interconnect plates and the electrodes; Development of circularity by working on upstream and downstream recycling processes, targeting to minimise the utilisation of raw critical materials. In particular, design strategies that allow for facile re-utilisation of half-cell materials, utilisation of manufacturing scrap in the process, as well as the development of materials originating from downstream recycling within the stack; Optimisation of load variation and fluctuation including the electrolysers' integration with renewable energy sources; Optimisation of BoP components and architectures to minimise their impact on stack degradation and improve overall system performances (e.g. steam generator, power quality from the power electronics components towards the electrolyser plant under Renewable Energy conditions, valorisation of stack heat for hydrogen compression, optimisation of gas purification concept, efficient multi-stack design etc.); Introduction of techniques to understand long-term degradation, such as accelerated-stress tests, and modelling; Those developments should be validated at the scale of stacks steadily producing a minimum of 20 kW nominal power, within a long-term operation of above 2,000 h. Validation should be compatible with system levels. In this context, innovative BoP components (e.g. power electronics, compressor, gas purification system) may be tested together with the stacks if relevant to validate the innovative system integration. The use of a hardware-in-the-loop approach to simulate the operation of system components that are not part of the targeted development may also be considered. It is encouraged to find synergies with the ELECTROLIFE [2] project that focuses on a comprehensive understanding of electrolyser degradation mechanisms through testing and modelling. Furthermore, the project proposals should be able to demonstrate how they would go beyond the intentions of the EU-funded projects ELECTRA [3], GAMER [4], Hy-SPIRE [5], and WINNER [6] when it comes to PCCEL materials and stacks, SElySOs [7] regarding the understanding of degradation mechanisms, NOAH2 [8] as a benchmark for stacks, LOWCOST-IC [9] when it comes to lowering costs of components, NewSOC [10] on advanced manufacturing, AD ASTRA [11] for accelerated stress tests, REACTT [12] for monitoring and diagnostics of solid oxide electrolysers and PROMETEO [13] that focused on the coupling of solid oxide electrolysers with intermittent renewable sources. To have an electrolyser stack manufacturer involved in the consortium for this topic is encouraged. Proposals are expected to be able to demonstrate that there is at least an experimental proof-of-concept validated in the laboratory (Technology Readiness Level (TRL) 3) to be addressed, and detail how the project will achieve the maturity of TRL5 for SOEL technologies and TRL4 for PCCEL by the end of its execution and validate the technology in a relevant environment. For activities developing test protocols and procedures for the performance and durability assessment of electrolysers and fuel cell components proposals should foresee a collaboration mechanism with the Joint Research Center (JRC) [14] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [15] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 3 and achieve TRL 5 (SOEL) and TRL 4 (PCCEL) by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 4.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis [1] Degradation under thermo-neutral conditions (@UTN) in per cent loss of production rate (hydrogen power output) at constant efficiency. Note this is a different definition from that of low temperature electrolysis, reflecting the difference in technology. Testing time should be a minimum of 2,000 hours. [2] <https://cordis.europa.eu/project/id/101137802> [3] <https://cordis.europa.eu/project/id/621244> [4] <https://cordis.europa.eu/project/id/779486> [5] <https://cordis.europa.eu/project/id/101137866> [6] <https://cordis.europa.eu/project/id/101007165> [7] <https://cordis.europa.eu/project/id/671481> [8] <https://cordis.europa.eu/project/id/101137600> [9] <https://cordis.europa.eu/project/id/826323> [10] <https://cordis.europa.eu/project/id/874577> [11] <https://cordis.europa.eu/project/id/825027> [12] <https://cordis.europa.eu/project/id/101007175> [13] <https://cordis.europa.eu/project/id/101007194> [14] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [15] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and

national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA

Budget Overview

Innovation Actions", "expectedGrants": 2, "minContribution": 4000000, "maxContribution": 8000000, "budgetYearMap": {"2025": "184500000"}, "plannedOpeningDate": "2025-01-30", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-23"]}]}}

Configurable Fuel Cell Powertrain for Non-Road Mobile Machinery

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-03-01

Summary : Configurable Fuel Cell Powertrain for Non-Road Mobile Machinery **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-03-01>

Description

Expected Outcome: To achieve the ambitious goals of the Fit-for-55 and REPowerEU Plans, reducing greenhouse gas (GHG) emissions attributed to all segments of transport is key. In this endeavour, Non-Road Mobile Machinery (NRMM) vehicles also require alternative designs and technologies, as current internal combustion engines (ICE) powered NRMMs remain significant contributors to European GHG emissions. Particularly, hydrogen powered fuel cells (FC) are an attractive option when longer operability or fast fuelling are desired. NRMMs have various specific requirements depending on their end-use (agriculture, ports, mining, logistic centres, construction, etc.), thereby constraining the dimensions, operation and architecture of their powertrain. More specifically, NRMMs widely vary in size and power level requirements, including power use for non-propulsion purposes. Additionally, a wide range of power levels and autonomy requirements make it difficult for NRMM manufacturers to adopt an appropriate FC solution without significant investments of time and money. An adequate degree of hybridisation (including battery packs), the selection of optimal fuel tank sizes and an efficient refuelling alternative are key challenges for deployment of FCs and hydrogen for NRMM applications. Moreover, NRMM applications are characterised by temporary use in areas with limited infrastructure and weak or no grid connection. Finally, both NRMM power train building blocks and refuelling infrastructure need to work in harsh environments, including extreme temperature, salt, fog, vibration, dust etc. To support the decarbonisation of NRMMs, configurable FC/battery hybrid powertrains specifically suited for these vehicles, addressing different power levels, hybridisation strategies and autonomy requirements (including reliable, fast and safe refuelling), will be required in the future. As such, individual building blocks which can be assembled into a functioning powertrain by the NRMM manufacturer without in-house FC expertise should be developed. Project results are expected to contribute to all the following expected outcomes: Extend the deployment of hydrogen and FC based powertrains to NRMM applications, thus establishing and consolidating a European supply chain for FC powertrains and components; Validation of safe hydrogen FC solutions and systems in demanding NRMM applications, contributing to building a European supply chain for FC powertrains and components; Proving efficiency and applicability of hydrogen FC solutions in NRMM applications via necessary improvements gained at system level; Provide a complete calculation of total cost of ownership (TCO) and comparison with incumbent ICE and battery-based technologies; Building confidence in FC technology and hydrogen refuelling for all of the off-road industry sectors and thus accelerating the market uptake; Identification of suitable solutions to any legal or standards barriers likely to prevent the successful introduction of hydrogen FC technology in the various NRMM fields of application; Support the development of next generation, cost competitive commercial/industrial scale Proton Exchange Membrane Fuel Cell (PEMFC) systems from EU suppliers for NRMM and potentially other applications. Project results are expected to contribute to the following 2030 KPIs of the Clean Hydrogen Joint Undertaking (JU) Strategic Research and Innovation Agenda (SRIA) for heavy duty vehicles: FC module CAPEX < 100 €/kW (annual production rate greater or equal 25,000 units); Hydrogen tank (CG H₂) CAPEX < 300 €/kg H₂; FC stack durability (no harsh environment) > 30,000 hrs; FC module availability > 98%. 2030 KPIs for NRMM are reported below (ports and agriculture applications: dusty and with high salinity environment): NRMM FC stack durability: At least 80% of heavy duty on road; NRMM FC module CAPEX: no more than double the target for heavy duty on road; NRMM FC module availability: at least 80% of heavy duty on road; FC module is defined as FC stack plus air supply system, cooling system, internal (electronic control unit (ECU), media manifold and other BOP (recirculation, humidifier, sensors, DC/DC, etc). Scope: The topic aims to demonstrate a

configurable fuel cell powertrain capable of being integrated in at least two NRMM applications preferably related to ports or agriculture where one application has a minimum fuel cell power of 200 kW and the other a minimum fuel cell power of 100 kW. A performance comparison of the fuel cell powertrain with existing technology (i.e. internal combustion engine) should be part of the demonstration and should clearly show fuel cell powertrain advantages. Furthermore, in the development of the configurable powertrain, the same building blocks should be used but configured in different powertrains with a different form factor or a different power level or a combination of both. The applications where this NRMM powertrain should be demonstrated include those which are complementary to already funded projects (H2Ports [1] and H2Mac [2]), but excluding the same type of mobile machinery which has already been funded. A complementary application may be one that belongs to the same environment (e.g. port) but is not funded by previous projects (e.g. straddle carrier, Rubber Tyred Gantry cranes , etc), and is expected to go beyond the already demonstrated activities. Consortia should choose the application segment(s) based on an impact analysis (cradle to grave approach) showing the sustainability improvement, like the potential for CO₂ emission reduction, upon the full segment coverage in Europe compared with the already used technology. In particular, a complete analysis of the market potential for the selected application/s and the corresponding CO₂ emission reduction has to be a deliverable of the project. Following validation in a relevant environment, the demonstration in a relevant environment should be carried out for at least 2,000 hours of operation of an NRMM specific load profile to show the necessary stack lifetime and powertrain reliability. The demonstration hours may include the idles and stops which are naturally included in the typical NRMM application load profile. The 2,000 hrs demonstration should be done on the powertrain with the largest power output. The other powertrain/s demonstration testing should last at least 1,000 hrs. Proposals should cover all the following elements: Develop and/or adapt a kit of building blocks which can be assembled into an easily configurable powertrain, including: Fuel cell module/s (compliant with StasHH interface and size standards); Energy management system; Power electronics; Cooling system; Air and fuel management (including appropriate filtration means); Optional components for mitigating the effects of harsh environment; On-board hydrogen storage and equipment for fast refuelling. Develop an overarching software and control structure to effectively combine different building blocks into a fully functioning powertrain including batteries for hybrid operation; Mapping, identifying and disseminating key requirements (operating envelopes, environmental aspects etc.) of different NRMM platforms highlighting those which are in common between them and those which can have an impact on powertrain design and the selection of various building block elements; Analyse operation data and disseminate specific learnings from the FC and hydrogen based NRMM solution compared to incumbent technologies (fossil fueled internal combustion engines and battery-based technologies); Developing solutions, including diagnostics and prognostication methods, to mitigate the impact of harsh environments on fuel cell lifetime and powertrain reliability; Developing strategies and incorporate measures to optimise powertrain efficiency, reliability, and lifetime while considering cleaning and maintenance procedures for all powertrain components; Select and validate a suitable and flexible refuelling solution compatible with the selected NRMM application and compatible with a wide range of end-users' requirements; This may be done with a comprehensive study that includes simulation and modelling, techno-economic assessments and even RCS considerations. The technical assessment should consider the special conditions as well in which temporary/mobile solutions would have to operate. Perform a Sustainable Life Cycle Assessment (SLCA) of the NRMM powertrain solution for at least one relevant case study; Performing a techno-economic assessment to demonstrate the progress toward reducing the powertrain capital cost and identify scale factors which could accelerate this progress. Adequately address regulatory aspects and contribute to prevailing regulations, codes and standards (RCS) activities. It is expected that the fuel cell powertrain for NRMM is capable of handling: Fast transients from idle to full load in repetition; Dust on the nozzle that could impact the refilling; Continuous high power for long periods of time. Consortia for this project should involve at least one NRMM manufacturer, a research institution and a Fuel Cell System integrator. In addition, proposals should indicate how learnings from the project will be disseminated, in terms of potential spillover effects to segments other than NRMMs, such as HD transport, marine, rail, stationary, etc. The development of single components such as the fuel cell stack, battery (cells & packs) and hydrogen tanks are not in the scope of this topic. For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [3] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [4] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 4 and achieve TRL 6 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 5.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] H2Ports funds a yard tractor and a reach stacker, <https://cordis.europa.eu/project/id/826339> [2] H2MAC funds an excavator and a crusher, <https://cordis.europa.eu/project/id/101137786> [3] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [4] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

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 2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
 3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
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 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
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 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
 4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
- STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and

national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA

Budget Overview

[illegible]

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Innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-06

Summary : Innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-06>

Description

Expected Outcome: There is an increasing interest in implementing a circular economy in the context of decarbonisation as a path to achieving a sustainable, productive system. Such a goal requires developing and implementing a great variety of new processes and innovation into subprocesses, including gas separation, purification, new reactors and catalyst, when needed. The transformation of renewable gases (such as biogas and biomethane), or solid biogenic wastes (as per Directive 2008/98/EC), as well as advanced feedstocks (as per Annex IX of Renewable Energy Directive 2018/2001) into hydrogen and carbon, is one of those processes aiming at the utilisation of renewable resources to produce valuable products and decarbonise hard-to-abate industrial processes. The process to convert bio-feedstocks into hydrogen is also compatible with the regulatory targets into Fit-to-55 packages, within the Red transport, RefuelEU Aviation, and FuelEU Maritime GHG reduction targets. Decarbonisation costs (replacement of fossil-based hydrogen) by (Bio)Methane splitting and Biowaste-to-energy have been estimated below 180 €/tonCO₂ [1]. Biogenic or waste C-feedstock input material in the process ending into carbon production implies a net carbon removal (negative GHG emissions). Developing processes to convert these renewable sources into hydrogen and carbon will contribute to the evolution of the hydrogen economy, complementing other hydrogen production methods, complying with strategic lines of the European Commission, as is the case of the European Innovation Council (EIC) [2]. Hydrogen and solid carbon from renewable gases/biogenic wastes are embedded into a circular and life cycle thinking approach for the co-production of green carbon, chemicals, fertilisers and/or decarbonised materials, and avoiding or minimising the use of toxic and critical raw materials. It contributes to the capture cross sectorial coupling and system integration opportunities (i.e. energy systems, industrial symbiosis contributing to net-zero industrial districts, bio-wastes supply chains), complementing the advanced thermochemical processes for biomass upgrade to biocrude and green hydrogen. The energy to decompose hydrocarbons is thermodynamically much lower than the one needed to split water, showing a potential to reduce energy requirements for the production of hydrogen. A process with a high rate of complete decomposition into solid carbon reduces the need for conventional CO₂ capture, which is required for fossil/biomass steam reforming/gasification technologies for low-emission, and it can provide a reliable source of carbon as raw material for other industrial sectors, improving circularity of the whole chain. The transformation of bio-based gases into hydrogen will provide a decarbonised fuel, avoiding implementing CO₂ capture stages in industrial or energy processes. In addition, stress on current CO₂ sequestration sites will be reduced, potentially producing harmful greenhouse gas (GHG) emissions. Renewable gases (bio-methane or any hydrocarbon produced by renewable sources such as bio-liquefied petroleum gas (bio-LPG), synthetic natural gas and others) in Europe can play an important role in achieving the REPowerEU objectives as an endogenic resource with the potential to significantly reduce imports of natural gas or other hydrocarbons, both for the power sector and as a raw material for other industrial processes. Developing technologies to transform biogenic wastes/biogas/biomethane/renewable gases into hydrogen and high-value solid carbon will advance such resources' circularity and sector coupling potential. Depending on its properties, solid carbon may have various economic uses. For example, graphitic carbon is a critical raw material in the EU [3], with an expected demand in Europe of 3.7 Mton/y in 2050 for the development of a clean economy, including graphite electrodes, and fuel cells, with a strong dependence on non-EU countries. Other applications of solid carbon could target agriculture, energy production, animal farming, the building sector, decontamination, water treatment and many other

industrial uses. This topic is expected to contribute to the following outcomes: Development of advanced breakthrough technologies for the low-emission transformation of renewable sources, e.g., biogas, biomethane, solid wastes, biochars, and advanced feedstocks into hydrogen and solid carbon; Strengthening the European technological capacity regarding the production of hydrogen and carbon, key pillars of a sustainable future, in the context of contributing to the CO₂ emission reduction targets, and advancing to even potential negative emissions; Increasing applications of e.g. biogas/biomethane, solid wastes, and advanced feedstocks applications, promoting its circular approach, and facilitating its sector coupling with the chemical, steel or material industries, among others; Enhancing energy security by promoting European renewable/clean hydrogen production and reducing the dependency on foreign energy, as well as raw material, carbon imports; Reducing geopolitical risks relating to the development of clean technologies, including hydrogen technologies, in the EU. The expected long-term outcomes of the technology in the proposals should include energy consumption lower than water electrolysis considering both heat and electricity, and energy consumption lower than 15 kWh/kgH₂. The capital cost per nominal daily production should be 1 k€/kg/day with a system operational cost close to 1.3 €/kgH₂ [4], leading to a levelized cost of hydrogen close to 3 €/kgH₂ by 2030. Greenhouse gases emissions from technologies to convert renewable gases/biogas/waste to hydrogen and carbon is potentially negative, as in practice constitutes a carbon removal. (https://hydrogeneurope.eu/wp-content/uploads/2024/06/2024_H2E_CleanH2ProductionPathwaysReport.pdf) As an outcome of the project, a clear confirmation of this feature should be quantified and confirmed. Moreover, the role of waste/advanced feedstocks/biogas/biomethane in hydrogen and carbon production as raw material input for the chemical, steel, or other industries would be of paramount importance for the substitution/reduction of fossil hydrocarbons use in the industrial sector, as well as a supply chain for solid biogenic carbon, as a critical raw material for the development of a Net-Zero economy, as well as a complementary path for hydrogen production. There are significant initiatives worldwide (USA, Canada, Europe,...) to advance in the technology of renewable gases/waste splitting into solid carbon and hydrogen announcing plants with capacities up to tons of H₂ per day by high temperature electric heating plasma, plasmalysis, thermal pulsed methane pyrolysis, or microwaves, showing that the technology is within the parameters of an innovation action, as a previous step to be available for hydrogen valleys or full scale demonstration. Scope: Methods to achieve such transformation are very diverse. They may be included in a family of processes of different nature comprising alternative energy transfer methods based on renewables (e.g., microwave, thermal and non-thermal plasma, induction, shockwave, radiation heating, direct thermal heating by several methods as Concentrated Solar Platform or molecular oxidation), and reactor designs (e.g., bubble column, plug, fluidised-bed, packed-bed, pulse tube, tubular, fluid wall, honeycomb monolith, moving carbon-bed, rotary kiln and others). These also involve combining these methods and the use or absence of catalysts, including innovative separation devices for enhanced purification and efficiency. Proposals are expected to show feasible significant advances (up to TRL 7) respect to previous Horizon Europe projects ColdPSark [5] and Storming [6] with a significant amount of carbon material production (for instance, > 50% of the initial carbon in the material input). Current running projects are in the right track and show the potential of the technology by the announced development up to TRL5 of non-thermal plasma, thermal catalytic, and microwave heated biomethane splitting into hydrogen and solid carbon. Such carbon material may be characterised to evaluate valuable applications, such as carbon black for the tyre industry, active carbon materials for batteries, electrodes and supercapacitors, metallurgic coke, agricultural application of carbonaceous materials, soil recovery, input material for high quality carbon products, as graphene or graphite, or any other of interest; that should be included into the evaluation of the technical, economic and societal impact of the proposal outcome. The presence of impurities in the inlet gas stream, for instance, in the biomethane or biogas input to the process, should play a role and thus are expected to be addressed in the proposal, discussing the need for upgrading through advanced techniques for separation, methanation or any other subprocess. Furthermore, a project should address the processing of suitable gas products, including separating and purifying hydrogen from undesirable by-products. Other technological issues, such as coke deposition, carbon-hydrogen separation, hydrogen-selectivity, catalyst deactivation and lifetime, catalyst regeneration, or quality of the products and their applications, are expected to be investigated and the practical solutions implemented at a large scale. The project should demonstrate a functional process producing 30 kgH₂ /h (approx. 1 MWH₂ based on Low Heating Value (LHV)) with a purity acceptable for a direct application (99.97 % according to ISO 14687), or acceptable to H₂ network and industries (a purity above 98% for ISO/FDIS 14687 – Grade A) and report significant testing time as to show operational availability and stability for industrial implementation (for instance, 3,000 h). If needed to derisk technology scale up, proposals are allowed to build intermediate steps (for instance, a facility around 100 kWh₂ under industrial relevant conditions) within the program to reach the TRL7 target. Proposals should consider different feedstocks and routes to identify the most relevant ones from a technical and economical point of view as well as a techno-economic analysis of the technology at scale. Furthermore, proposals should also address sustainability and circularity aspects through a life cycle assessment (compatible with current efforts on carbon footprint analysis, for instance well-to-wheels as defined by Renewable Energy Directive (REDII)) of the proposed technology, which should demonstrate a significant reduction of CO₂ emissions (and negative in certain circumstances) for both hydrogen and carbon products (kgCO₂ /kgH₂, kgCO₂ /kgC) at large scale, including a cost analysis to see the impact of higher hydrogen purity requirements. Different feedstocks and methods may be included in the sustainability analysis. In addition, a critical raw material assessment should be considered if relevant. The integration with other processes should be showcased, particularly for hard-to-abate sectors. are outside the scope of this topic Proposals are encouraged to explore synergies with projects within the metrology research programme run under the EURAMET research programme, in particular projects

DECARB [7] and MetCCUS [8]. These projects support(ed) the development of a new infrastructure for purity assessment and for measurement of “low” emissions levels for hydrogen and carbon dioxide. As relevant, synergies should also be explored with the activities and projects supported by the Circular Bio-based Europe Joint Undertaking. Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. It is expected that Guarantees of origin (GOs) will be used to prove the renewable character of the hydrogen that is produced. In this respect consortium may seek out the issuance and subsequent cancellation of GOs from the relevant Member State issuing body and if that is not yet available the consortium may proceed with the issuance and cancellation of non-governmental certificates (e.g CertifHy [9]). Proposals should provide a preliminary draft on ‘hydrogen safety planning and management’ at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to achieve TRL 7 by the end of the project - see General Annex B. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1]

https://hydrogeneurope.eu/wp-content/uploads/2024/06/2024_H2E_CleanH2ProductionPathwaysReport.pdf [2]

https://eic.ec.europa.eu/calls-proposals/eic-pathfinder-challenge-novel-routesgreen-hydrogen-production_en [3]

"European Commission, Critical materials for strategic technologies and sectors in the EU - a foresight study, 2020" [4]

Annex to GB decision no. CleanHydrogen-GB-2022-02, Table 7 [5] <https://cordis.europa.eu/project/id/101069931> [6]

<https://cordis.europa.eu/project/id/101069690> [7] Metrology for decarbonising the gas grid (Decarb)

<https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-for-decarbonising-the-gas-grid> [8] Metrology for CCUS (MetCCUS)

<https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-support-for-carbon-capture-utilisation-and-storage> [9] <https://www.certifhy.eu>

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. **Other Eligibility Conditions** The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million

- HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): reactor and all units and subunits to allow a proper and independent functioning of the hydrogen production plant, costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship

projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.

4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Efficient electrolysis coupling with variable renewable electricity and/or heat integration

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-04

Summary : Efficient electrolysis coupling with variable renewable electricity and/or heat integration **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-04>

Description

Expected Outcome: Renewable hydrogen production via electrolysis offers a clean alternative for various industrial and mobility applications. To reach the REPowerEU domestic hydrogen production target of 10 million tonnes of renewable hydrogen by 2030, many large-scale electrolysis production projects will be commissioned between 2025 and 2027 with the massive support of subsidies at EU (e.g. through IPCEI [1] and Innovation Fund) or national level. Additional large-scale renewable hydrogen projects will be supported by the European Hydrogen Bank. However, considerable effort is needed to achieve these targets due to the many technical, regulatory and economical challenges to be tackled. These challenges include the integration of electrolysis plants into energy systems (concerning electricity, heating and gas networks, both on- and off-power grid, on- and offshore) fed with variable renewable energy (VRE), and the integrated management of heat (both inside the electrolysis plant and in relation to external infrastructures and uses). When operated flexibly, electrolyzers can support grid stability. Increasing levels of renewable electricity penetration to the target defined in the REPowerEU plan brings a range of challenges, some of which could be addressed by hydrogen produced via electrolysis: To reduce the need for grid improvements and grid management operations (variable renewable energy curtailment) through dynamic electrolyser operation and cross-sectoral flexibility (connecting power, gas and heat networks), especially in regions with strong current (or planned) variable renewable energy surplus; To boost off-grid renewable electricity generation in offshore installations and areas adjacent to underground storage, islands, and remote areas; To provide a range of energy storage (including seasonal) and grid services to help match supply and demand, while reducing curtailment, dependencies on fossil fuels and electricity prices; To increase the penetration of renewable energy into the energy system (in on- and/or off-grid systems); To reduce the need for curtailment of renewable electricity generation at times of excess production. The EU regulations (Renewable Energy Directive III, Delegated Acts) have laid the foundations of defining renewable hydrogen (Renewable Fuels of Non-Biological Origin – RFNBO) for different hydrogen production contexts (e.g. direct or indirect interconnection of hydrogen production via electrolysis to (additional) sources of variable renewable energy). Enhanced thermal management can improve overall energy efficiency and offers another optimisation pathway for the economically viable production of renewable hydrogen. This can appear through the valorisation of heat from the electrolysis plant itself, through the integration of heat from renewable sources or heat from industrial processes. Such heat can be valorised in the electrolysis plant itself, or through external stakeholders. In all cases, enhanced and integrated thermal management can contribute to lower the levelised cost of green hydrogen. Projects should address efficient electrolysis coupling with variable renewable electricity or heat integration or both. Project results should contribute to all the following expected outcomes: For all projects: Enhanced electrolysis capacity to produce renewable hydrogen (in line with EU regulations); Reduction of the levelised cost of hydrogen, including business models for generating additional income; Improved overall integration of electrolysis with the energy system. For projects on coupling with variable renewable electricity: Fostering the use of electrolysis plants to balance the electrical network; Coupling of multi-MW electrolysis plants to variable renewable energy generation (both on- and off-grid, directly or indirectly coupled); Improved and diversified business models for electrolysis plants thanks to the provision of remunerated electrical grid services (at transmission and distribution system level). For projects addressing heat integration: Fostering synergies between electrolysis plants and external heat stakeholders (producers and consumers); Improving thermal management within electrolysis plants; Improved and diversified business models for electrolysis plants through integrated thermal management and/or integration into heating supply networks. Project results are expected to contribute to the following objectives of the Clean Hydrogen JU SRIA: Improve dynamic operation and efficiency of systems, with high durability and reliability, especially when operating dynamically, with the following KPIs of the Clean Hydrogen JU SRIA by 2030: Hot idle ramp time at electrolyser system level: Alkaline Electrolysis: 10s; Proton Exchange Membrane Electrolysis: 1s; Solid Oxide Electrolysis: 180s; Anion Exchange Membrane Electrolysis: 5s; Stability in constant power sections: 2.5%; Demonstrate the value of electrolyzers for the power system through their ability to provide flexibility and allow higher integration of renewables; Operate efficiently (at system level including balance of plant) and safely (including with reduced gas crossover when relevant) under variable load with adequate flexibility to be coupled with variable renewable energy; MW scale direct coupling to renewable generation (both on- and off-grid) including offshore hydrogen production, aiming at identifying the best system configuration to reach competitiveness; Consider innovative system designs and improved balance of plant components to reduce parasitic losses and reduce cost (e.g. purpose-built rectifiers, integrated cooling systems, electrical heaters and heat-exchangers), when relevant in optimised electrical integration with renewables; Explore the options for utilising by-product oxygen and waste heat. Scope: Several previous and current projects supported by the Clean Hydrogen Partnership such as REMOTE [2], HYBALANCE [3], HAEOLUS [4], ELY4OFF [5], DEMO4GRID [6], H2FUTURE [7], HOPE [8] and EPHYRA [9] as well as supported by national funded projects such as Energiewerk Mainz [10], have explored different coupling configurations and system optimisations for the integration of hydrogen production with renewable electricity generation and the provision of grid services. Yet further progresses are needed to demonstrate the full potential of this integration. These should increase the capacity of electrolysis plant operators to produce RFNBO respecting the EU Delegated Acts on Renewable Hydrogen requirements on time correlation, while enhancing their business model through the provision of higher levels of remunerated flexibility services to the electrical grid and potentially through heat integration. These progresses should also address improving electrolysis whole system efficiency and robustness towards load variation and power fluctuation. Improvements in the economics of electrolytic hydrogen production may be achieved by valorisation of dissipated heat from electrolysis and/or by integration of renewable or process heat when coupling the electrolyser to a

RES or in an industrial plant, as explored in several European projects (such as as GrinHy [11] , GrInHy2.0 [12] , MULTIPLHY [13] , SOPHIA [14] , REFLEX [15] , GAMER [16]). This topic is open for all technologies of water and steam electrolysis and for synergies with projects funded under topics supported by the Clean Hydrogen JU: HORIZON-JTI-CLEANH2-2024-01-04 [17] , HORIZON-JTI-CLEANH2-2025-01-01 and HORIZON-JTI-CLEANH2-2025-01-02. The following activities are within the scope of this topic: Improve storage (hydrogen, demineralised water, heat, power) and plant control strategies to increase overall plant response reactivity while smoothening ramp-up and -down. This may be supported by a connection to a gas network (incl. salt cavern), or other energy storage (gaseous or electrochemical); Demonstrate innovative power electronics (e.g. transformer and rectifier, direct DC/DC coupling) and control strategies to maximise flexibility of operation; Develop ad-hoc Balance of Plant components for heat integration; Optimise heat re-use within the electrolysis plant and/or the integration of the plant with its environment (e.g. heat networks, industry); Improve interaction with the electricity grid to perform grid services on command from the grid (e.g., utilising unexpected power production peaks from renewables, thanks to planning and optimisation tools that could benefit of utilising advanced methodologies such as predictive approach and real-time optimisation). Such tools should optimise the renewable coupling and/or heat integration, including on the basis of economic aspects; Utilise emerging digital technologies to integrate electrolyzers into a highly flexible and resilient energy system, in synergy with calls from Horizon Europe Cluster 5 and Clean Energy Transition partnership; Minimise power consumption in stand-by operation and ensure safe operation at high turn-down operation of the electrolyser; Provide improved plant designs of >50MW sites with design-inherent increased operating flexibility, providing higher levels of services to the electrical grid (e.g. capacity to absorb black outs from other sites) while better valorising heat, with concrete business cases on at least one plant with a commissioning date before 2030. Projects should demonstrate developments for at least 6 months on plants in operation at least at the MW scale. Applicants may work on existing electrolyser installations where only the BoP would need to be adapted/modified or on electrolyser installations under development. It is expected to have an electrolyser manufacturer in the consortium for this topic. In addition, it is encouraged to include a balance of plant manufacturer. Cooperation with renewable hydrogen production plant operators is also encouraged. The costs for the construction and commissioning phase of the hydrogen production technology/ies maybe funded while costs related to the operation of the hydrogen production plant (e.g., electricity for electrolyzers) will not be funded. Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. It is expected that Guarantees of origin (GOs) will be used to prove the renewable character of the hydrogen that is produced. In this respect consortium may seek out the issuance and subsequent cancellation of GOs from the relevant Member State issuing body and if that is not yet available the consortium may proceed with the issuance and cancellation of non-governmental certificates (e.g CertifHy [18]). For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [19] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [20] to benchmark performance and quantify progress at programme level. Proposals should provide a preliminary draft on 'hydrogen safety planning and management' at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to achieve TRL 7 by the end of the project - see General Annex B. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] Important Projects of Common European Interest [2] <https://cordis.europa.eu/project/id/779541> [3] <https://cordis.europa.eu/project/id/671384> [4] <https://cordis.europa.eu/project/id/779469> [5] <https://cordis.europa.eu/project/id/700359> [6] <https://cordis.europa.eu/project/id/736351> [7] <https://cordis.europa.eu/project/id/735503> [8] <https://cordis.europa.eu/project/id/101111899> [9] <https://cordis.europa.eu/project/id/101112220> [10] <https://www.energiepark-mainz.de/en/> [11] <https://cordis.europa.eu/project/id/700300> [12] <https://cordis.europa.eu/project/id/826350> [13] <https://cordis.europa.eu/project/id/875123> [14] <https://cordis.europa.eu/project/id/621173> [15] <https://cordis.europa.eu/project/id/779577> [16] <https://cordis.europa.eu/project/id/779486> [17] <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/horizon-jti-cleanh2-2024-01-04?keywords=HORIZON-JTI-CLEANH2-2024-01> [18] <https://www.certifhy.eu> [19] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [20] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. **Other Eligibility Conditions** The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. **Financial and operational capacity and exclusion** described in Annex C of the Work Programme General Annexes.
 - 5a. **Evaluation and award:** Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. **Evaluation and award:** Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .**STEP (Sovereignty) Seal** For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a

label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): hydrogen production plant (e.g electrolyser), its Balance of Plant (BoP), and any other hydrogen related equipment essential for the implementation of the project (e.g. hydrogen storage), costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance
-

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Demonstration of stationary fuel cells in renewable energy communities

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-04-01

Summary : Demonstration of stationary fuel cells in renewable energy communities **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-04-01>

Description

Expected Outcome: Energy communities enable collective and citizen-driven energy actions to support the clean energy transition. They can contribute to increasing public acceptance of renewable energy projects and make it easier to attract private investments in the clean energy transition. Energy communities can be an effective means of re-structuring our energy systems, by empowering citizens to drive the energy transition locally and directly benefit from better energy efficiency, lower bills, reduced energy poverty and more local green job opportunities. Through the ‘Clean energy for all Europeans’ package, adopted in 2019, the EU differentiated between citizen energy communities and renewable energy communities. Since then, legislation on energy communities has been further strengthened by new or revised EU rules. Renewable energy communities, as defined in Article 2(16) of Recast Renewable Energy Directive (Directive (EU) 2018/2001) can introduce positive environmental impacts by increasing the use of renewable energy, thereby enhancing local energy security and reducing energy import from the main power grid, lowering energy bills. This aggregation therefore increases collective advantages and furthermore benefits the local distribution grid thanks to sharing resources and to a more efficient energy distribution, respectively. Energy communities are also key in bearing the adoption of new energy technologies and practices, thus paving the way toward innovation in the energy landscape. Project results are expected to contribute to the following expected outcomes: Support the industrialisation of European Fuel Cell technology; Showcase combined heat and power generation based on hydrogen technologies in real life applications; Decentralised control of microgrids supported by real-time optimisation, which increases grid reliability and resilience, and allows for autonomous operation during disturbances; Contribute to demand-side strategies, which can reduce energy bills and provide overall benefits to the energy system such as stability and less emissions; Provide ancillary services to the overall energy system such as frequency control and power reliability; Empower citizens and put them at the centre of the clean energy transition, which improves lives and supports energy and climate policies. Project results are expected to contribute to the following objectives and Key Performance Indicators (KPI) of the Clean Hydrogen Joint Undertaking (JU) Strategic Research and Innovation Agenda (SRIA): Prepare and demonstrate the next generation of fuel cells for stationary applications able to run under 100% hydrogen and other hydrogen-rich fuels whilst keeping high performances; Demonstrate the deployment of the next generation of commercial/industrial scale fuel cell Combined Heat and Power (CHP) units from European suppliers (from 50 kWe to several MWe); Contribute to the achievement of relevant KPIs, depending on the technology that will be applied, as defined in the relevant Clean Hydrogen Joint Undertaking (JU) Strategic Research and Innovation Agenda (SRIA) Annexes for 2030, namely: CAPEX below 2,000 €/kW for Solid Oxide stationary fuel cells and below 900 €/kW for PEM stationary fuel cells; O&M cost below 1.5 €/kWh for SO stationary fuel cells and below 2 €/kWh for PEM stationary fuel cells; Availability of the system above 99% for systems applying Solid Oxide stationary fuel cells and above 98% for systems applying PEM

stationary fuel cells; Warm start time below 2 min for solid oxide stationary fuel cells and below 10 seconds for PEM stationary fuel cells. Scope: In the context of the scope of renewable energy communities provided above, proposals are expected to demonstrate an integrated renewable energy system applying stationary fuel cells, possibly in combination with other hydrogen technologies, to supply reliable and efficient energy in at least one renewable energy community. In the context of this topic a renewable energy community is expected to have the characteristics defined in Article 2(16) of the Recast Renewable Energy Directive 2018/2001 “Renewable Energy Community” even if not legally established as a legal entity. Advantages that stationary fuel cells can bring to renewable energy communities are manifold. Besides presenting high electrical efficiencies, stationary fuel cells can provide additional heat that can be valorised for utilisation by local industries and small businesses. They can moreover play a role in providing ancillary services to the grid, thus constituting a source of economic benefits for energy communities. They can in fact provide demand response and dispatchable power generation, and be furthermore reliably employed for backup, standby, and peak shaving applications. Last but not least, they can boost the utilisation of local resources (e.g. biomass, waste streams, etc.) and can furthermore reduce the curtailment of renewable energy. The integrated system should address multiple energy vectors such as hydrogen, electricity, and heat and/or cooling. To this end, installations may include technologies for hydrogen handling and storage, while they should involve a fuel cell-based power supply unit, which should have a nominal capacity of 50 to 200 kWe, and whose development should stand at least at Technology Readiness Level (TRL) 5 at the beginning of the project. The final nominal capacity of the fuel cell should be appropriate for the specific renewable energy community and application. The overall system should moreover include all balance of plant components, e.g., fuel processing, compressors, valves, as well as power electronics, auxiliary power supply for the fuel cell, monitoring systems, etc., needed for continuous and efficient operation. The demonstration of the prototype system should be performed in an operational environment (TRL 7). The prototype system should be fully (i.e. electrically, thermally, etc.) integrated within the local energy system and enhance the reliability of energy supply. Utilisation of exhaust streams like biogenic CO₂ and water may also be addressed. The renewable fuel to be used in the power supply unit (renewable hydrogen and/or other renewable hydrogen-rich fuels) may either be produced on-site or be delivered at the site. As a fuel, renewable hydrogen or other types of renewable fuels such as hydrogen-rich fuels, synthetic fuels or bio-fuels may be used. The demonstration campaign should include the transportation of all system components at the site, their installation, and their subsequent testing for at least 3000 hours of cumulative operation in a renewable energy community (covering at least 2 different seasons, ideally summer and winter, thus, depending on the number of daily operating hours of the system, it could be split into two non-subsequent periods of 1500 hours each, yet other partitions may be possible if well justified), at a real end-user site (e.g. to supply power and heating to the residential sector, such as multi-family or individual buildings, the secondary sector, such as local industries, and/or the tertiary sector, such as administration offices, schools, university/research centre campuses, hotels, etc.). The focus and innovation of this topic resides in the demonstration of the added value of fuel cell technologies when integrated in a local energy system, which can be either grid connected or off-grid. Proposals should build and complement projects funded by the Clean Hydrogen JU such as REMOTE [1], DEMOSOFC [2] and CRAVE-H2 [3]. In addition, proposals should benefit from the learnings of already funded projects in order to push fuel cell technologies to market readiness. Proposals should also: Choose a fuel cell system which is appropriate for the final application optimising the sizing of the system according to the heat and electricity demand of the application within the renewable energy community; Integrate instrumentation for all relevant units for addressing the implementation of optimal operation; Address the implementation of real-time optimisation and control smart tools (for both heat and power), as part of the renewable energy community engagement strategy; Assess and quantify the environmental, economic and social community benefits of the demonstration (in terms of reduction on greenhouse gases emissions during demonstration) including a comparison to other technological options where relevant for the renewable energy community; Assess CAPEX, OPEX and operation and maintenance (O&M) requirements; Assess the environmental, technical and economic feasibility for scale up and replication in other renewable energy communities and include activities aimed at promoting replication within the project; Actively engage and seek commitment from the renewable energy community in which the demonstration campaign will take place, at least in the form of a Letter of Intent (LOI), to be included in Part B of the Proposal; Analyse non-technological barriers related to the integration of the fuel cell system in the (existing) renewable energy community (e.g. administrative, legislative, public acceptance) and recommend an adapted legal framework for the roll out of the technology; Contribute to meet the overall community demand (i.e. heat, electricity and cooling) with renewable energy based on renewable hydrogen. The topic provides a chance for significantly rising the maturity level of hydrogen-based energy generating systems and for allowing for their further deployment in other areas of the hydrogen economy. Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. It is expected that Guarantees of origin (GOs) will be used to prove the renewable character of the hydrogen that is used. In this respect consortium may seek out the purchase and subsequent cancellation of GOs from the relevant Member State issuing body and if that is not yet available the consortium may proceed with the issuance and cancellation of non-governmental certificates (e.g. CertifHy [4]). For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with Joint Research Center (JRC) [5] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [6] to benchmark performance and quantify

progress at programme level. Proposals should provide a preliminary draft on ‘hydrogen safety planning and management’ at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to start at TRL 5 and achieve TRL 7 by the end of the project – see General Annex B. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://cordis.europa.eu/project/id/779541> [2] <https://cordis.europa.eu/project/id/671470> [3] <https://cordis.europa.eu/project/id/101112169> [4] <https://www.certifhy.eu> [5] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [6] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. **Other Eligibility Conditions** The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in

renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): fuel cell system, hydrogen storage and other hydrogen related infrastructure needed for the fuel cell application, costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.

4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: 'Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards'. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

• AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Scale-up and Optimisation of manufacturing processes for electrolyser materials, cells, or stacks

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-03

Summary : Scale-up and Optimisation of manufacturing processes for electrolyser materials, cells, or stacks **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-03>

Description

Expected Outcome: Clean hydrogen is expected to play a critical role in Europe's decarbonisation objectives and electrolyser, which produce hydrogen from water and electricity, are a key enabler for Europe to meet its net-zero targets. Given this, it is vital to increase the amount of electrolysis capacity produced annually through scale-up of material, components, and stack manufacture. Providing sufficient electrolyser capacity to meet the needs of the energy transition requires a rapid and efficient scale up of stacks (and component) production capacity. This will require electrolyser components and material manufacturers to transition to large-scale production featuring increased automation, or novel technologies. Optimisation and upscaling of manufacturing processes is required to increase production yields and improve cost-effectiveness. At the same time, new materials, components, and stack designs for improved efficiencies and reduced environmental impact must be produced in sufficient quantities to meet the growing needs of clean hydrogen production facilities. Project results are expected to contribute to all of the following outcomes: Maintain European leadership in electrolyser production and strengthen the European value chain through the ability to deliver high-quality stacks; Employ sustainable-by-design and/or design for recycling methods to improve circularity; Minimise the life-cycle impact of materials, component, or electrolyser manufacture through waste (e.g scrap or

consumables); Increase production rates whilst reducing manufacturing costs for materials, components or stacks through manufacturing process development, considering learnings from other industrial sectors such as fuel cells, batteries, etc; Contribute to CAPEX reductions of water electrolysis systems through economies of scale and reduced waste; Contribute to creating a viable business case for clean hydrogen production and use, through delivery of more affordable, higher-quality systems with improved lifetimes; Improve the cost-effectiveness, efficiency, reliability, quantity and quality of clean hydrogen production through improved manufacturing processes and scale-up of material, component, or stack production or the component or stack active area; Contribute to the creation of high-value manufacturing and supply chain jobs; Project results are expected to contribute to the following objectives and 2030 KPIs of the Clean Hydrogen JU SRIA: Technologies should have efficiencies at nominal capacity comparable to those in the 2030 SRIA: AEL 48kWh/kg PEMEL 48kWh/kg SOEL 37kWh/kg AEMEL 48kWh/kg Technologies not mentioned in the 2030 SRIA should provide similar, suitable KPIs in line with current state of the art Capital Cost 2030 KPIs for the relevant technologies: AEL 800 €/ (kg/d) PEMEL 1000 €/ (kg/d) SOEL 800 €/ (kg/d) AEMEL 600 €/ (kg/d) Demonstration of a Takt time for material, component, and stack production, which will enable Europe to meet its hydrogen production markets; Contribute to the achievement of manufacturing KPIs including: Manufacturing part yields of >98%, defined as 1-rejected parts / produced parts; Manufacturing material yield >80%, defined as (material used in stacks*yield)/amount of material; FAT failure rates linked to stacks of <10%, defined as (Number of FAT failures / Total number of FAT events). Technologies not mentioned in the 2030 SRIA should provide suitable KPIs in line with current state of the art.

Scope: The scope of this topic is the development and demonstration of manufacturing processes which are suitable for scale-up and which can contribute to meeting predicted annual clean hydrogen production requirements. Considering manufacturing scale-up of new materials, the proposal should provide sufficient information to show that these materials have been proven to work at an appropriate scale. Proposals should consider and build on relevant existing work in this area and results from projects related to the manufacturing and scaling- up of electrolysis systems including projects funded by the Clean Hydrogen JU such as AMPS [1] , DJEWELS [2] , HERAQCLEs [3] , MULTIPLHY [4] , NEPTUNE [5] , OUTFOX [6] , PilotSOEL [7] , REFHYNE [8] and SUSTAINCELL [9] , clean-tech manufacturing projects supported by the Innovation Fund such as [ARA(HJ1) [CP2] TopSOEC [10] , HyNCREASE [11] and GIGA-SCALES [12] , national funded projects such as ELYAS [13] , and Open Innovation Test Beds projects supported by Horizon Europe such as H2Shift [14] and CLEANHYPRO [15] . In addition synergies with the Made in Europe partnership [16] and the Zero-Defect Manufacturing Platform [17] should be explored. Successful projects are also expected to review the state of the art during their implementation and to identify additional synergies with these and other ongoing relevant projects. Proposals should develop solutions to address material and manufacturing bottlenecks including component supply, manufacturing processes, and end-of-line testing. Technologies to be developed should lead to increased manufacturing throughput and/or yield. Research and Development (R&D) activities should be included, for example, design for manufacture, additive manufacture, improved handling methods, automation and in-line quality control. The developed technologies may be capable of processing several types of material or be used for the manufacture of more than one type of electrolyser system. Proposals should include relevant baseline information relating to techno-economics and the environmental / life cycle impacts of the current state of the art for the processes being considered. They should also provide a quantified description of the expected improvements. Proposals should include validation of the developed technologies in an industrial environment on an OEM-relevant stack, i.e. TRL5/6 and MRL5 depending on the electrolyser technology and on the current TRL/MRL of the process. Proposals should state the capacity of their demonstrator and justify the way in which the equipment and stack size used for validation demonstrates manufacturing capacity sufficient for production of sufficient electrolyser manufacturing capacity to allow Europe to meet its hydrogen production targets using high-quality components. Validation consists of demonstration of increased throughput or yield of the material, component, or stack without reduction in quality. For example, in-line inspection may increase the number of flaws detected so a link could be made between defect type/severity and its impact on quality to determine critical defect types. The project outputs should include validation of increased manufacturing capability in a relevant environment and include life-cycle analysis, waste management/recycling potential and a techno-economic report describing the expected throughputs, yields, defect rate and costs when implemented in a manufacturing facility. The inclusion of consortium partner(s) relevant to the electrolyser stack manufacturing value chain is considered beneficial. The following aspects are to be addressed in the scope of the project: Further develop and optimise industrially relevant, scalable manufacturing processes to increase production rate while reducing cost for materials, components or stacks, or a combination of these. Examples of potential innovations include: Design for manufacture techniques applied to material, components, or stacks for high volume manufacture; Increased automation to improve throughput, tighten tolerances and reduce scrap; Streamlined manufacturing processes to remove non-value-added steps and reduce waste; Use of Artificial Intelligence (AI) / machine learning for scalability of processes; Develop quality control tools (preferably in-line) to increase production yield and decrease scrap rates. Increased detection of defects should be considered and for example, machine learning could be used to link defects to material, component, or stack quality and avoid increased scrap. Development of statistical sample-testing methods could also be considered; Apply Design for Sustainability principles to improve the environmental and end-of-life impact of electrolyser manufacture to maximise the potential of recycling processes to recover CRMs and other materials and investigation of material or component recycling when considering rejected items and dismantled stacks. Recycling development is out of scope of this topic; Provide an industrially relevant baseline and relevant KPIs for each technology and describe the quantified expected improvements; Validate novel processing solutions in an industrially relevant

environment and demonstrate operation and reliable scalability with respect to cost, performance and durability KPIs. Quantify expected scrap and recall rates to reflect the true cost to the end-user. This topic is focused on manufacturing technologies and concepts that will facilitate production scale-up rather than on new materials. It is particularly relevant to original equipment manufacturers (OEMs), component suppliers and integrators, although support from research and technology organisations (RTOs) developing innovative manufacturing technologies is welcome. Projects and processes should be relevant to electrolyser-manufacturing OEMs and should consider future demand when considering novel manufacturing processes. Proposals should include manufacturing scale-up of materials and components in the supply chain as well as of electrolysers; proposers should clearly explain the importance of the components, materials, or stacks which are the focus of their project in terms of increased electrolyser production and deployment. Scale-up can include: Production of an increased number of stacks, components or materials; The development of manufacturing processes for stacks with larger active areas at the cell level; Development of processes with higher throughputs due to reduced scrap or increased recycling potential. The above improvements will enable manufacturers to deliver sufficient hardware for large-scale deployment as well as to benefit from economies of scale, improving the competitiveness of clean hydrogen. It is expected that this topic will support complementary projects in order to cover low-temperature electrolysis and high-temperature electrolysis. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL4 and achieve TRL5-6 by the end of the project - see General Annex B. Activities are expected to start at MRL4 and achieve MRL 5 by the end of the project - see Call management and general conditions section. The JU estimates that an EU contribution of maximum EUR 4.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis [1] <https://cordis.europa.eu/project/id/101111882> [2] <https://cordis.europa.eu/project/id/826089> [3] <https://cordis.europa.eu/project/id/101111784> [4] <https://cordis.europa.eu/project/id/875123> [5] <https://cordis.europa.eu/project/id/779540> [6] <https://cordis.europa.eu/project/id/101101439> [7] <https://cordis.europa.eu/project/id/101112026> [8] <https://cordis.europa.eu/project/id/779579> [9] <https://cordis.europa.eu/project/id/101101479> [10] https://climate.ec.europa.eu/news-your-voice/news/topsoec-fuelling-europes-renewable-hydrogen-ambitions-energy-efficient-electrolyser-components-2024-09-30_en [11] https://ec.europa.eu/assets/cinea/project_fiches/innovation_fund/101132982.pdf [12] https://cinea.ec.europa.eu/featured-projects/giga-scales-smarter-membranes-lower-cost-hydrogen-production_en [13] <https://www.bosch-hydrogen-energy.com/about-us/collaboration-funding/elyas/> [14] <https://cordis.europa.eu/project/id/101137953> [15] <https://cordis.europa.eu/project/id/101091777> [16] <https://www.effra.eu/made-in-europe-state-play/> [17] <https://www.zdmp.eu/>

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million

- HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
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 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:
- HORIZON-JU-CLEANH2-2025-01-04

- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
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- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Large-scale Hydrogen Valley

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-06-01

Summary : Large-scale Hydrogen Valley **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-06-01>

Description

Expected Outcome: Hydrogen Valleys are hydrogen ecosystems that cover a specific geography ranging from local or regional focus (e.g. industrial cluster, ports, airports, etc.) to specific national or international regions (e.g. cross border hydrogen corridors) [1] . Hydrogen Valleys showcase the versatility of hydrogen by supplying several sectors in their geography such as mobility, industry and energy end-uses. They are ecosystems or clusters where various final applications share a common hydrogen supply infrastructure. Across their geographic scope, Hydrogen Valleys cover multiple steps in the hydrogen value chain, ranging from hydrogen production (and often even dedicated renewables

production) to the subsequent storage of hydrogen and distribution to off-takers via various modes of transport. Whilst most of the projects are in the EU, over the past years, Hydrogen Valleys have gone global, with new projects emerging worldwide. Mission Innovation has set a target of deploying 100 large-scale Hydrogen Valleys worldwide by 2030 [2]. Hydrogen Valleys are starting to form the first regional "hydrogen economies". Already under the previous programme, the Clean Hydrogen Partnership provided support to several Hydrogen Valleys across different locations in EU and of different sizes. It is however necessary to continue the accelerated deployment of Hydrogen Valleys as required by RePowerEU (with a target to double the number of hydrogen valleys by 2025) and to contribute to the objectives of the European Hydrogen Strategy, the EU Green Deal, and Fit for 55, and finally overcome common challenges linked to storage and distribution that may be territory specific. To do this it is necessary to have 'testbed' projects to act as first real-life cases for piloting global hydrogen markets. These projects need to be expanded in scale to demonstrate the full range of benefits from the use of hydrogen and to create interlinkages to allow for the emergence of a hydrogen economy in these regions. Project results are expected to contribute to all the following expected outcomes: Anchorage of new demand for renewable hydrogen; Interaction and synergies among initial test beds; Full integration into the broader cross-sectoral energy ecosystem; Improvement of the perception of public towards hydrogen technologies, by ensuring a high visibility of the project and associated technologies to the local public and EU citizens; Emergence of new hydrogen valleys, through dissemination of learnings. Hydrogen Valleys also offer an opportunity to support the objectives of the Net Zero Industry Act by promoting and facilitating the relocation of net-zero technologies manufacturing facilities in areas with Hydrogen Valleys. In addition, Hydrogen Valleys are very well suited to further support innovation by facilitating the access to Small Medium Enterprises (SME)/Startups to the Hydrogen Valleys, especially those which have technologies that need to scale- up and prove them in a living lab environment. Scope: The scope of this flagship topic is to develop and demonstrate a large-scale Hydrogen Valley. It could demonstrate a combination of technologies either in existing and/or new markets for clean hydrogen (including hard-to-abate sectors), especially when applications are used in symbiose with each other. Proposals should demonstrate innovative approaches at system level: systemic and synergetic integration of hydrogen production (not restricted to electrolysis), distribution and end-use technologies. Proposals may also investigate interoperability, cause-effect stability of the overall system. Technologies demonstrated should be state-of-the-art following technological developments previously funded by (but not limited to) the Clean Hydrogen Partnership. Proposals should respond to the following requirements: Production of at least 4000 tonnes of clean hydrogen [3], [4] per year using new hydrogen production capacity (at least for the last 2-years of project demonstration). Due to the large volumes of hydrogen involved, production plants may be distributed across the territories involved but should share common hydrogen supply infrastructure; At least two hydrogen applications from two different sectors should be part of the project, with clear focus on energy, industry and transport sectors; Demonstrate how new built infrastructure can be integrated and function with existing infrastructure (when relevant), with the aim to maximise the impact of the hydrogen valley in all sectors addressed; Monitoring and assessment activities including at least two years of operations; Provision of a clear, professional, and ambitious communication plan to ensure high visibility to the public including clear, measurable, and ambitious Key Performance Indicators (KPI); Demonstration of how hydrogen enables sector coupling, allows for example H₂ storage and/or large integration of renewable energy [5] and provides an optimum techno economic solution for the decarbonisation of the activities in the geographical area being addressed; Reduction of the carbon emissions and impact on air quality related to the end-uses compared to incumbent technologies; Demonstration of how financial viability is expected to be reached after two years of operation. Proposals should also: Provide concrete project implementation plans with a clear calendar, defining the key phases of the implementation of the action (i.e., preparation of the specifications of equipment, manufacturing, permitting, deployment, and operation) and their duration; Provide a funding plan to ensure implementation of the project in synergies with other sources of funding. If no other sources of funding will be required, this should be stated clearly in the proposal, with a commitment from the partners to provide own funding. If additional sources of funding will be required, proposals should present a clear plan on which funding programmes at EU and/or national levels will be targeted [6]. In these cases, applicants should present a credible planning that includes forecasted funding programmes and their expected time of commitment; Clearly and coherently present the Hydrogen Valley (across the whole value chain including hydrogen production, distribution and storage and end uses) including the investments/actions supported directly by this topic as well as other investments / actions supported by other funding /financing sources [7] which are part of the hydrogen valley to be deployed and demonstrated in line with the topic requirements; Provide evidence of the commitment and role of public authorities (Member States, Regions, and Cities) and of any other necessary stakeholders (e.g. hydrogen off-takers) at least in the form of Letters of Intent (LOI). The practical implementation of these LOI will be followed during the Grant Agreement implementation; Provide a preliminary 'hydrogen safety planning and management plan' [8] at the project level, which will be further updated during project implementation; Ensure coverage of aspects such as replicability and (cross-border) cooperation between regions to facilitate transfer of knowledge across the EU with a focus on fostering replication of Hydrogen Valleys elsewhere; Demonstrate how synergies with existing hydrogen valleys will be ensured especially when it comes to skills and know-how exchange; Provide a scalability analysis that includes the broader energy system showing how the valley is expected to grow, where applicable, in view to connect initial demonstrations and create synergies with existing energy infrastructure, as well as its possible contribution to the progress of the five hydrogen corridors; Highlight sustainability aspects in their description. The costs for the construction and commissioning phase of the hydrogen production technologies including connection (e.g connection to the electricity grid, electricity costs) and other hydrogen infrastructure (e.g Hydrogen Refueling Station

(HRS), storage, pipelines, etc) may be funded while costs of renewable energy plants (e.g., photovoltaic or wind plant) or related costs for operation of the Hydrogen Valley (e.g., electricity for electrolyzers) will not be funded. Proposals are expected to collaborate with the successful applicants under topic “HORIZON-JU-CLEANH2-2025-05-03 on ‘Knowledge transfer and training of civil servants, safety officials, and permitting staff to improve safety assessment and licensing procedures across Europe’ Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. It is expected that Guarantees of origin (GOs) will be used to prove the renewable character of the hydrogen that is produced/used. In this respect consortium may seek out the issuance/purchase and subsequent cancellation of GOs from the relevant Member State issuing body and if that is not yet available the consortium may proceed with the issuance and cancellation of non-governmental certificates (e.g CertifHy [9]). Proposals are expected to contribute towards the activities of the EU Mission on Climate- Neutral and Smart Cities, Mission Innovation 2.0 - Clean Hydrogen Mission and the H2V platform. Cooperation with entities from Clean Hydrogen Mission member countries, which are neither EU Member States nor Horizon Europe Associated countries, is encouraged (see section 2.2.6.7 International Cooperation). Proposals should provide a preliminary draft on ‘hydrogen safety planning and management’ at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2. The TRL of the applications in the project should be at least 6 at the beginning of the project while the overall concept should target a TRL 8 at the end of the project - see General Annex B. The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://h2v.eu/media/7/download> [2] https://ec.europa.eu/info/news/mission-innovation-launches-new-global-coalition-support-clean-hydrogen-economy-2021-jun-02_en [3] As defined in the SRIA of the Clean Hydrogen JU, clean hydrogen refers to renewable hydrogen. To the demonstration addressed in the proposal it can be foreseen that in the early stages low carbon hydrogen could be used. However, the objective is to move to renewable or clean hydrogen as an ultimate objective in the project. Please refer to the paragraph Rationale for support of the section 3.7 of the SRIA of the Clean Hydrogen JU. [4] Renewable hydrogen is hydrogen produced using renewable energy (Renewable Energy Directive 2018/2001/EU) [5] In line with the definitions provided in the Renewable Energy Directive 2018/2001/EU [6] Including applications for funding planned, applications for funding submitted and funding awarded. [7] In the context of the topic other investments/actions refer to parts of the hydrogen valley which are necessary to respond to the topic requirements and to deliver a fully functional hydrogen valley but that are not supported with the funding of the Clean Hydrogen JU (e.g. hydrogen production plant supported with national funding, or HRS supported with funding from the Connecting Europe Facility – Transport (CEF-T)) [8] In the context of this topic this refers to an early plan indicating how safety will be managed in the project https://www.clean-hydrogen.europa.eu/get-involved/european-hydrogen-safety-panel-0/reference-documents_en [9] <https://www.certifhy.eu>

Conditions

General conditions

1. **Admissibility Conditions:** Proposal page limit and layout For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. **Other Eligibility Conditions** The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals

requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): hydrogen production plant, distribution and storage infrastructure and hydrogen end-uses, costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal,

in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]].

described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-03-02>

Description

Expected Outcome: Membrane Electrode Assemblies (MEAs) are a core component of fuel cells (FCs), which are expected to be produced at large scale in order to meet the different mobility industry needs and support the market growth of FCs for these applications. However, state-of-the-art manufacturing processes still suffer from shortcomings such as: Production processes manufacturing speed lagging behind the necessary capacity to meet the demand (often still utilising batch processes); Catalyst Coated Membrane (CCM) deposition processes cannot reach an industrial production quality; In-line quality control processes and technologies have limited defect detection capabilities, resulting in potential escape of defective parts to market and premature equipment failures in-service; Manual steps induce a loss of reproducibility and quality by allowing defects all along the different manufacturing steps; Recyclability by design, and associated supply chain needs, necessitate new industrial processes. Hence, the maturity of production processes requires new developments to achieve higher production volumes and meet the stringent product quality expectations of emerging FC markets and applications (e.g. , stationary applications, heavy duty road transport, maritime, rail and aviation). Considering the significant Critical Raw Material (CRM) content of state-of-the-art MEAs, development of high-volume MEA production processes should include efficient material use, together with eco-design and Life Cycle Analysis of the components and the production line. Accordingly, project results are expected to contribute to the following expected outcomes: Development of innovative solutions for material supply and/or processing for catalyst layer deposition and lamination of Gas Diffusion Layer GDLs/sub-gaskets demonstrated in a MEA compatible with industrial manufacturing process with a significant volume scale-up; Demonstrate scale-up capability and maturity of the MEA process to produce industrial standard quality MEAs, including cycle time, yield, materials input, reliability of the production process, product reproducibility, quality control and increased control over specifications; Process design for recycling, including Life Cycle Assessment (LCA) and cost analysis. Support the development of cost competitive Proton Exchange Membrane Fuel Cell (PEMFC) components from an EU supply chain. Project results are expected to contribute to the achievement of manufacturing KPIs including: Dedicated manufacturing KPIs should be used to fully quantify the maturity of a production system: Yield of the manufacturing process [1] : >90% by 2030; Automation of the fabrication process: reducing to a minimum human intervention, especially manual steps should be avoided during manufacturing to improve reproducibility and repeatability; Scrap rate [2] : <5% by 2030; Annual production capacity [3] : 100 000 m² for aviation purpose and 500 000 m² for other mobility applications. Proposals are encouraged to propose additional manufacturing KPIs to further quantify the maturity of the production system. Produced MEAs should demonstrate high durability, power density, and low PGM loading. Reference values are: 30,000h in transport applications (aviation, heavy-duty trucks, rail, maritime and/or passenger vehicles) that could be demonstrated by using accelerated stress-tests; Power density of 1.2 W.cm⁻² under standard testing conditions; PGM loading in MEA 0.3g/kW. For large scale production the cost target for road and rail applications is <50€/kW in 2030. Scope: This project aims at developing and scaling-up innovative manufacturing processes for MEAs of PEMFCs. Each step of the MEA manufacturing process should be addressed and achieve TRL 6 and MRL 4-5 by the end of the project, therefore demonstrating process technology in a relevant environment with capability to produce MEAs at a rate and characteristics mentioned. In this context, to meet the expected outcomes, the following Research and Development (R&D) activities should be addressed: the design, development, and construction of a prototype production line for MEAs, which will be tested in a relevant industrial environment to validate its performance, scalability, and ability to meet the required manufacturing specifications. Here under a detailed activities that need to be included: Innovative up-scaling of processes (continuous production, batch production) and processes based on outcomes of previous and current research projects (MAMA-MEA [4] , VOLUMETRIQ [5] , NIMPHEA [6]). Addressing new techniques or innovative approaches should be considered if needed on the production line to fill the gap with previously developed processes; Development of known processes and innovative processes (e.g. ink-jet, spray, electrospray, slot-die coating, screen-printing) for large scale catalyst and/or microporous layer deposition. Large scale should be applied to MEAs active area relevant for the large-size unit cell of the applications considered (> 200 cm²) and high-volume production as indicated above (10000 m² /year); Development of methods to produce optimised large size (scale-1 for the application) MEAs and high-quality interfaces (e.g. layer-to-layer manufacturing, efficient assembling and bonding of components, additive manufacturing); Demonstrate the technology at scale compatible with high volume and high yield, considering challenges from an industrialisation perspective (automated process, reduced processing steps at the line, end-of-line quality control, flexibility support, design adaptability, versatility, reproducibility). Process monitoring, parts validity and control means should also be evaluated on several parts at scale; In-line quality control considering relevant parameters related to manufacturing targets and MEAs specifications (such as but not limited to scrap rate, catalyst loading, catalyst-coated membrane thickness...); The prototype pilot line should be adapted to several raw materials and components

(membrane or GDL, catalysts) and able of making different compositions and properties (such as porosity and hydrophobicity). The prototype pilot line operational effectiveness will be validated through its capability of manufacturing several MEAs at scale 1, as requested to achieve the targeted MRL 5. Demonstration of expected operation vs. cost, performance, durability KPIs: representative testing and characterisation of produced MEAs in single cells and small stacks, at technologically relevant scale (active area) and in application-relevant conditions (all heavy-duty transport sectors are targeted) should be undertaken as part of the project; Demonstration of reliable scalability expected vs. cost, performance, durability for the various applications targeted – Assessment of progress vs SoA at beginning of project Application of Design for Sustainability (DfS) principles to maximise potential of recycling processes to recover CRMs and minimise environmental impact and end-of-life; Industrial plan should include life cycle analysis, cost analysis, intellectual property and environmental health action plan. A cost reduction assessment should also be undertaken at the end of the project highlighting the gains brought by the new concepts developed in the project. In addition, a fully integrated collect and recycling channel associated to the production line should be described. Proposals should develop and bring to the market an innovative manufacturing processes of MEAs for PEMFC. The process should demonstrate high production rates in line with the future needs of European fuel cell industries. The produced MEAs should simultaneously perform at relevant KPIs of the PEMFC technology. Proposals should involve a PEMFC and MEA manufacturer and consider regulatory context as well as safety aspects. A pilot line should be available at the end of the project with an estimation of its full potential: Capacity: 2000 m²/year (or a projection for a year with higher level of maturity); Scrap rate: 40% (or a projection for a year with higher level of maturity). Proposals should achieve a membrane electrode assembly production line mature enough to be qualified for industrial standards (e.g. standards depending on the applications targeted by the proposal). To do so, the proposal should include European partnerships with industrials (and their supply chain ecosystem) and academics to work on Life Cycle System Analysis, development and implementation of processes, MRL analysis (with a strong focus on the maturity of the supply chain) and propose a reliable and industry-scalable concept of MEA production. This topic is hence expected to contribute to EU competitiveness and industrial leadership by supporting a European supply chain for fuel cell components. Consortia are encouraged to explore synergies and cooperation with Made in Europe partnership [7] and the Zero Detect Manufacturing platform [8] . For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to reach TRL 6 by the end of the project - see General Annex B Activities are expected to start at MRL 3 and achieve MRL 5 by the end of the project - see Call management and general conditions section. The JU estimates that an EU contribution of maximum EUR 5.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] The yield should be calculated comparing the theoretical number of MEA that should be obtained in a defined time period from a given quantity of components (membrane and catalysts) with the actual number of MEA produced during this period. [2] The scrap rate is calculated by dividing the amount of scrap produced in a given time period by the total amount of MEA produced in that same time period. [3] The annual production capacity means the annual nominal capacity for a facility, calculated based on operations during the 24 hours of the day for an entire year [4] <https://cordis.europa.eu/project/id/779591> [5] <https://cordis.europa.eu/project/id/671465> [6] <https://cordis.europa.eu/project/id/101101407> [7] <https://www.effra.eu/made-in-europe-state-play/> [8] <https://www.zdmp.eu/>

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
- HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
- HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
- HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: [https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision he en.pdf](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf)]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year's call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: 'Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards'. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Demonstration of scalable ammonia cracking technology

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-02-03

Summary : Demonstration of scalable ammonia cracking technology **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-02-03>

Description

Expected Outcome: Ammonia is an essential global commodity. Today, around 85% of all ammonia is used to produce synthetic nitrogen fertilisers and is responsible for around 45% of global hydrogen consumption, or around 33 Mt of hydrogen in 2020. Hydrogen production by ammonia cracking has received growing attention in recent years for several reasons: i) an established and complete supply chain with considerable growth due to the high supply and demand ammonia for several sectors, ii) ammonia cracking emits only nitrogen as a byproduct, iii) ammonia has attractive gravimetric and volumetric densities for hydrogen storage applications, allowing an easy transport with reduced cost. While several projects have developed novel concepts for ammonia cracking technologies in recent years, the feasibility of up-scaling these technologies in terms of reactor design and hydrogen production rate to match industrial demand at various scales needs to be validated. This includes optimisation of thermal management, for instance, by considering integrating the cracking plant in a use-case scenario and implementing a modular approach to the cracking technology for rapid scale-up and deployment in various sectors. The topic addresses the value chain from ammonia molecules to purified hydrogen for delivery in downstream applications. Hence, it addresses system design optimisation to reduce the energy consumption of cracking reactions and integrate it with purification/separation processes. To bring ammonia cracking technology to the next stage of maturity, project results are expected to contribute to all the following expected outcomes: Provide breakthrough and game-changing technologies for hydrogen production by ammonia cracking; Contribute to replicability and modular scalability of new ammonia cracking technology to enable future commercial applications at different scales; Improve the efficiency of the ammonia conversion process also integrating purification of produced hydrogen; Contribute to European technology leadership in ammonia cracking technology, integration of high-efficiency heat management, and hydrogen purification; Improve and develop new business models of hydrogen production by ammonia cracking for various scales of production; Contribute to the understanding of Europe's needs in terms of infrastructure and regulation for managing the ammonia supply chain for hydrogen production; Contribute to the sustainability of the European materials supply chain, strengthening the recyclability of CSRM (Critical and Strategic Raw Materials). Project results are expected to contribute to all the following objectives: Total Cost of Ownership: <1.5 €/kgH₂ delivered [1] ; Ammonia dehydrogenation unit CAPEX <1000k€/tonnesH₂.day) Demonstrate high tunability and a wide range of dynamic operations (30-100%) for several user cases; The availability of the system should be no less than 90%; Recovery rate of hydrogen should be > 80% [2] . Scope: The topic focuses on developing a highly efficient, modular and scalable cracking technology to convert ammonia into high-purity hydrogen to the specifications needed for specific applications and scales. The modular and scalable technology will enable cost-competitive and safe use of hydrogen in industrial and market sectors such as hard-to-decarbonise and off-grid power generation applications. The primary outcomes should be an innovative, low-cost, and compact technology enabling dynamic operations for energy-efficient hydrogen production, contributing to the overall objectives of the Clean Hydrogen JU SRIA to reduce hydrogen production and transport costs. The scope of this topic is to design, manufacture and demonstrate in an operational environment a system prototype for efficient ammonia cracking for at least 100 kg/day production. The topic should cover the following elements: Design, fabrication and testing of a system (also modular) that enables process intensification and improved electrical and thermal integration to produce high-purity hydrogen that is compliant with the application it plans to address; Novel catalyst and/or reactor design to improve efficiency and manufacturing, including if necessary, integrating novel separation processes to produce dry hydrogen, as well as potentially novel principles of the cracking/reforming process; Ammonia cracking scale-up and efficient integration for power/heat generation and/or hydrogen utilisation; Assess the integrity of materials exposed to ammonia with respect to corrosion and mechanical failure; Design the cracking reactor and Balance of Plant components to ensure flexible operation of the system and for optimising economic energy usage; Perform a safety assessment of the system and contribute to establishing a robust background and roadmap for standardisation; Present a demonstration system running for at least 5000 hours and producing ≥100 kg H₂/day; Demonstrate the potential scalability of the developed technology into a plant size of up to 10 tonnes of H₂/day, enhancements of the total process efficiency through techno-economic and life-cycle assessment and social analysis of the proposed technology (e.g. Techno-Economic Assessment (TEA), Life Cycle Assessment (LCA), Life-Cycle Cost Assessment (LCCA), Life-Cycle and Sustainability Assessment (LCSA)); Provide a sustainability analysis establishing the impact of CSRM usage and path forward for its potential reduction. Proposals are encouraged to seek synergies and complement ongoing projects producing renewable ammonia (including within the Innovation Fund [3]) with a view to demonstrating the production of renewable hydrogen. Proposals are expected to collaborate with the activities of EURAMET concerning metrology for ammonia [4] and in particular with the successful project under the the topic “Metrology to support ammonia use in emerging applications” under the European Partnership on Metrology call for proposals 2024 [5] . Potential synergies can be explored with P4P (Partnership for Planet), including envisaging work for ammonia as hydrogen carriers. Proposals are expected to demonstrate the contribution to EU competitiveness and industrial leadership of the activities to be funded including but not limited to the origin of the equipment and components as well infrastructure purchased and built during the project. These aspects will be evaluated and monitored during the project implementation. Proposals should provide a preliminary draft on ‘hydrogen safety planning and management’ at the project level, which will be further updated during project implementation. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to

start at TRL 5 and achieve TRL 7 by the end of the project - see General Annex B. At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] Not including NH₃ cost production and transport. H₂ output at 30 bar(g) and in compliance with ISO 14687. The TCO includes Energy + Capex+ Operating cost + depreciation. [2] The recovery rate is calculated from NH₃ molecule (liquid form sub cooled) to gaseous hydrogen at 30 bar delivered to a pipeline. The efficiency includes: the NH₃ needs to heat up the reactor, the NH₃ as feed, all recirculation and purification modules, all utilities associated (in the top of the NH₃ for the heater) and GH₂ if needed. [3] https://climate.ec.europa.eu/eu-action/eu-funding-climate-action/innovation-fund/innovation-fund-projects_en [4] E.g MetroHyVe <https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-for-hydrogen-vehicles-2> and Met4H₂ <https://www.euramet.org/european-metrology-networks/energy-gases/activities-impact/projects/project-details/project/metrology-for-the-hydrogen-supply-chain> [5] <https://metpart.eu/green-deal-call-2024-s2> and <https://metpart.eu/component/edocman/call-2024-srt-v16/download.html?Itemid=0>

Conditions

General conditions

1. **Admissibility Conditions:** Proposal page limit and layout For all Innovation Actions the page limit of the application is 70 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. **Other Eligibility Conditions** The following additional eligibility criteria apply: At least one partner in the consortium must be a member of either Hydrogen Europe or Hydrogen Europe Research. The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million – proposals requesting Clean Hydrogen JU contributions above this amount will not be evaluated. described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH₂-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH₂-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH₂-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH₂-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH₂-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH₂-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and

FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Purchases of equipment, infrastructure or other assets used for the action must be declared as depreciation costs. However, for the following equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks): ammonia cracking system including its BoP, costs may exceptionally be declared as full capitalised costs. Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: 'Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards'. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Innovative co-electrolysis systems and integration with downstream processes

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-05

Summary : Innovative co-electrolysis systems and integration with downstream processes **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-05>

Description

Expected Outcome: Co-electrolysis technology has a relevant impact on hydrocarbon synthetic production processes (e.g. Fisher-Tropsch, ethylene and methanol routes), which is gaining continuous interest for the production of e-fuels (e.g. Sustainable Aviation Fuel (SAF), e-diesel, e-methane, etc) and other chemicals relevant for the chemical industry. With co-electrolysis carbon dioxide and steam are converted into syngas which is subsequently utilised in the downstream chemical processes to produce synthetic fuels or molecules of interest thereby enhancing overall energy efficiency. The primary benefit of the co-electrolysis lies in the ability to produce high-quality syngas in a single step, eliminating the need for extra H₂/CO₂ conversion processes. Previous EU funded projects (Eco [1] , HELMETH [2] , SOPHIA [3] , ELECTRA [4] , SElySOs [5] , eCOCO₂ [6] , SUN₂CHEM [7]) have already assessed the feasibility of co-electrolysis and laid the groundwork for further improvements. However, heat integration between co-electrolysis

systems and downstream processes can improve the overall efficiency of production with lower OPEX and flexible operation towards synthetic chemicals production, an aspect which has not been covered by those projects. Project results are expected to contribute to the following expected outcomes: Efficiency improvement via an optimised system integrating co-electrolyser and downstream reactor, enhancing the efficiency of the power to final chemical process by reducing heat losses and recovering heat produced in the synthesis phase; Optimised resource utilisation via integration with downstream processes, enabling the efficient utilisation of resources, such as waste heat or by-products, leading to overall process optimisation and reduced resource wastage; Durability Improvement via an optimised operational strategy to prevent coke formation in the cells, stacks, stack modules and co-electrolyser system; Cost reduction by optimising the production process and minimising energy consumption with integrated systems helping in reducing production and Total Cost of Ownership (TCO) costs, making the overall process more economically viable; Environmental benefits via an integrated system contributing to reducing the environmental, economic and social impacts of synthetic chemical production, resulting in high reduction potential of greenhouse gas emissions, promoting circularity of materials and components, and, in general, improving the overall environmental impact of the process (in particular when associated with a reduction of the critical raw materials content); Product diversification via integration with downstream processes, facilitating the production of a wider range of products and enabling diversification and opening up new market opportunities. Overall, the expected outcomes of integrating innovative co-electrolysis systems with downstream processes encompass improvements in efficiency, cost-effectiveness, environmental sustainability, technological advancement, and market competitiveness. Project results are expected to contribute to the following objectives of the Clean Hydrogen JU SRIA: Improve cell design/materials for an increased lifetime and high performance, and increase cell/stack robustness through improved thermal and process-flow management; Develop new stack and balance of plant (BoP) designs; Consider innovative system designs and improved balance of plant components to reduce cost; Furthermore, project results are expected to contribute to the following KPIs, targeted at co-electrolyser scale, specific for three high temperature co-electrolysis technologies: Oxide and Proton conductive Solid Oxide electrolyzers (SOEL, PCCEL) and Molten Carbonate Electrolyser (MCE): Oxide conductive Solid Oxide electrolyzers (SOEL) Power to syngas efficiency: 0.9 kWe/ kWLHV Degradation in operating conditions: 0.8 %/1000h @1A/cm² Unit cost: 500 €/kW Proton Conductive Ceramic electrolyzers (PCCEL) Power to syngas efficiency: 0.9 kWe/ kWLHV Degradation in operating conditions: 0.8 %/1000h @0.75A/cm² Unit cost: 500 €/kW Molten Carbonate electrolyzers (MCE) Power to syngas efficiency: 0.93 kWe/ kWLHV Degradation in operating conditions: 0.5 %/1000h @0.5A/cm² Unit cost: 500 €/kW KPIs are defined for the main high temperature co-electrolysis techniques, derived from the SRIA and from results of previous EU funded projects. Scope: Proposals should aim to accelerate the development of the co-electrolysis technology and its integration into real chemical synthesis process by proving the concept and the overall efficiency of the coupling between the co-electrolyser and the downstream process, mainly the catalytic reactor for the chemical synthesis. They should also contribute to resolving additional technological challenges on low-TRL level (cell/stack/stack module technology) to improve the stack operations for direct downstream process integration (downstream gas purity and composition, pressurised conditions) and the core technology impacting more drastically the lifetime (hence OPEX cost contribution) compared to steam electrolysis. The project should cover the following elements: Adapt core technology and cell design to increase the robustness in the identified operating conditions and gas composition; Screening at cell or short-stack level different catalysts and operational parameters to achieve the required H₂/CO ratio for further downstream processing including pressure, temperature, reactant purity. Investigation should encompass not only performances but also prevention of coke formation in the stack, stack module, system and afterwards; Assessing the optimal operating conditions of the co-electrolyser and of the downstream process at the scale of a short stack over durations above 3000h, with the aim of ensuring an optimised coupling of the two technologies, considering: heat recovery from the fuel synthesis process in the co-electrolysis unit (steam generation, gas preheating, etc.); the most effective strategy for cleaning up produced syngas, if necessary; Design integrated co-electrolyser and downstream reactor with ad hoc BoP to increase global efficiency and promote syngas production stability, supported by simulation tools and experimental validation. The study should analyse the effects of transient and off-design operation of the system, encompassing both startup and shutdown processes. Technological and economical impacts of recirculation of separated streams such as water (steam) and carbon dioxide have to be considered; Demonstrating the coupling at a relevant scale (size of the co-electrolyser >15 kW) between the co-electrolyser and the downstream reactor and evaluate its performance and durability over 2000 h minimum; Conducting a techno-economic and life cycle impacts analysis and a preliminary study of safety aspects of the integrated system. Costs related to downstream process unit design and development will not be funded and the coupling should be performed in a location where such a reactor is available at the adequate size for a good matching with the co-electrolyser. An electrolyser manufacturer should be involved in the consortium for this topic. Participation of industrial partners in the integration downstream and valorisation of the co-electrolysis product is expected. For activities developing test protocols and procedures for the performance and durability assessment of electrolyzers and fuel cell components proposals should foresee a collaboration mechanism with JRC [8] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [9] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to start at TRL 3 and achieve TRL 5 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 4.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025

Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://cordis.europa.eu/project/id/699892> [2] <https://cordis.europa.eu/project/id/621210> [3] <https://cordis.europa.eu/project/id/621173> [4] <https://cordis.europa.eu/project/id/621244> [5] <https://cordis.europa.eu/project/id/671481> [6] <https://cordis.europa.eu/project/id/838077> [7] <https://cordis.europa.eu/project/id/884444> [8] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [9] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01

- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04

- HORIZON-JU-CLEANH2-2025-01-06

- HORIZON-JU-CLEANH2-2025-02-03

- HORIZON-JU-CLEANH2-2025-04-01

- HORIZON-JU-CLEANH2-2025-06-01

- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04

- HORIZON-JU-CLEANH2-2025-01-06

- HORIZON-JU-CLEANH2-2025-02-03

- HORIZON-JU-CLEANH2-2025-04-01

- HORIZON-JU-CLEANH2-2025-06-01

- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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- SRIA Clean Hydrogen JU Lump Sums Guidance
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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Networks of European Cinemas

General Info

Topic ID : CREA-MEDIA-2025-CINNET

Summary : Networks of European Cinemas **Status** : Open

Deadline model : single-stage **Deadline** : 2025-07-16T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-CINNET>

Description

Objective: The aim of the support is to create and operate a network of cinemas with a view to: Encourage cinema operators to screen a significant proportion of non- national European films through incentives and collaborative projects; Contribute to raise and increase the interest of the audience for non-national films including through the development of activities for young cinema-goers; Help those cinemas to adapt their strategy to the changing environment including by promoting innovative approaches in terms of audience reach and engagement, as well as partnerships with other film industry operators as well as with local cultural institutions; Encourage exchange of best practices, knowledge sharing and other forms of cross border collaboration amongst members of the network Contribute to the policy dialogue on the film industry by collecting data and disseminating the outcome of the activities of the network beyond its members. Expected results: Increase the audience for non-national European films on the European market; Reach new audiences for European films including young cinema-goers; Reinforce and renew the ongoing cinema experience; Adjust the business practices of European cinema theatres in terms of sustainability and inclusion; Foster the innovation potential of European cinema theatres through enhanced collaboration. Description of the activities to be funded under the call for proposals: Cinemas' network should enable the following activities: – Networking activities: information, animation, training and communication in view of increasing the audience reach and implementing innovative and collaborative actions including areas with low screen density. – Provide financial support to participating cinemas implementing eligible activities listed below: • Actions aiming at promoting and screening European films and increasing the audience for non-national European films and contributing to a more sustainable and environmentally-respectful industry. • Innovative activities aiming at reaching new audiences and raising interest among young cinemagoers for European films by renewing and enriching the cinema experience including in areas where cinema infrastructures are poorly developed. • Harnessing the digital transition, including online tools and data applications • Adjusting the business practices of European cinema theatres in terms of sustainability, inclusion and accessibility. • Promotion and marketing activities in cooperation with other distribution platforms (e.g. TV broadcasters, VOD platforms).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.

2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion described in the call document .
- 5a. Evaluation and award: Submission and evaluation processes described in the call document .
- 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document ..
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
- Publication of the call: 03 December 2024. Deadline for submitting applications: 16 July 2025 17:00:00 (Brussels time). Evaluation period: July - December 2025. Information to applicants: January 2026. Signature of grant agreement: April 2026.
5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) CREA MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Data-analytics technologies and data purchases

General Info

Topic ID : EUAF-2025-TA-03

Summary : Data-analytics technologies and data purchases **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TA-03>

Description

Expected Outcome: Strengthening and improving beneficiaries' investigative and operational capacity, as measured, for example, by the number of successful operations carried out with the purchased products to support investigations into activities detrimental to the financial interests of the Union. This includes the number of arrests, convictions, seizures, confiscations, recoveries, prevented losses to national and Union budgets and fraud schemes uncovered. Scope: The Commission will support the purchase and maintenance of: commercial specialised databases; data-analysis platforms capable of running analyses in 'big data' environments; risk and predictive analysis tools; data mining tools; systems supported by artificial intelligence used in preventing and combating irregularities, fraudulent activities and corruption detrimental to the financial interests of the EU; and, data collection tools for the purpose of risk and anti-fraud analysis. These purchases include capacity-building in Member States to develop, use and share databases and business-intelligence tools. These purchases may also enable the acquisition of integrated packages that comprise: hardware, software (including tools using emerging technologies such as artificial intelligence, blockchain technology and biometrics) and training. Specialised training for staff on how to operate these tools must be included as part of the action.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TA) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 New For TA helpful hints Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Digital forensic equipment and tools

General Info

Topic ID : EUAF-2025-TA-02
Summary : Digital forensic equipment and tools Status : Open

Deadline model : single-stage Deadline : 2025-05-15T00:00:00.000+0200 Start Date : 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TA-02>

Description

Expected Outcome: Strengthening and improving beneficiaries’ investigative and operational capacity, as measured, for example, by the number of successful operations carried out with the purchased products to support investigations into activities detrimental to the financial interests of the Union. This includes the number of arrests, convictions, seizures, confiscations, recoveries, prevented losses to national and Union budgets and fraud schemes uncovered. Scope: The Commission will support the purchase and maintenance of digital forensic equipment and software, mobile forensic tools and computer forensic collaborative systems used to prevent and fight against irregularities (and fraudulent irregularities in particular), fraud and corruption detrimental to the financial interests of the EU. Cross-border cooperation enabling the exchange of information and best practice, in particular at operational level, is strongly encouraged. Projects may also include updates of existing software systems and associated training. Specialised training to enable staff to operate these

tools must be included as part of the action.

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document .
- 3. Other Eligible Conditions described in section 6 of the call document .
- 4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
- 5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TA) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 New For TA helpful hints Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Investigation and surveillance equipment and methods

General Info

Topic ID : EUAF-2025-TA-01

Summary : Investigation and surveillance equipment and methods **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TA-01>

Description

Expected Outcome: Strengthening and improving beneficiaries’ investigative and operational capacity, as measured, for example, by the number of successful operations carried out with the purchased products to support investigations into activities detrimental to the financial interests of the Union. This includes the number of arrests, convictions, seizures,

confiscations, recoveries, prevented losses to national and Union budgets and fraud schemes uncovered. Scope: The Commission will support the purchase and maintenance of investigation and surveillance equipment and methods used by beneficiaries to prevent and fight against irregularities, fraud and corruption detrimental to the financial interests of the Union. The purchase of adapted transport equipment, IT hardware and software and audio-visual equipment may be included, if an applicant can clearly demonstrate that the purchase helps to prevent and combat fraud, corruption and any other illegal activities affecting the financial interests of the Union. Specialised training to enable staff to operate these tools must be included as part of the action.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TA) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Detection of illicit trade

General Info

Topic ID : EUAF-2025-TA-04

Summary : Detection of illicit trade **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUAF-2025-TA-04>

Description

Expected Outcome: Strengthening and improving beneficiaries' (in particular, customs authorities') technical capacity to detect suspicious movements and verify such movements, including by checking trucks, containers and other types of vehicles and means of transport. This will be measured by the number of new features in IT systems or the number of verifications and 'hits' following the use of the new equipment. Scope: The Commission will support the purchase and maintenance of equipment and IT tools to strengthen beneficiaries' operational and technical capacity to detect smuggled and counterfeited goods. These include cigarettes and tobacco, imported into the EU with the intention of evading VAT, customs duties and/or excise taxes. Specialised training for staff to operate these tools must be included as part of the action.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (EUAF) — the application form specific to this call is available in the Submission System Detailed budget table (EUAF TA) Model Grant Agreements (MGA) EUAF MGA Additional documents: EUAF Annual Work Programme EUAF Regulation 2021/785 EU Financial Regulation 2024/2509 New For TA helpful hints Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Films on the Move

General Info

Topic ID : CREA-MEDIA-2025-FILMOVE

Summary : Films on the Move Status : Open

Deadline model : multiple cut-off **Deadline** : 2025-03-20T00:00:00.000+0100 **Start Date** : 2024-10-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-FILMOVE>

Description

Objective: The Films on the Move action shall encourage and support the wider distribution of recent non-national European films by encouraging sales agents and theatrical distributors in particular to invest in promotion and adequate distribution of non- national European films. **Expected Results:** Development of pan-European theatrical and/or online distribution strategies for non-national European films. Increased investment in theatrical and/or online promotion and distribution of non-national European films in view of expanding audience reach. Develop links between the production and distribution sector thus improving the competitive position of non-national European films on a global market **Description of the activities to be funded under the call for proposals:** The activities to be funded are campaigns for the pan-European theatrical and/or online distribution of eligible European films, coordinated by the sales agent of the film. Applications should present adequate strategies to ensure more sustainable and more environmentally-respectful industry and to ensure gender balance, inclusion, diversity and representativeness.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout described in the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. **Eligible Countries** described in the call document
3. **Other Eligible Conditions** described in the call document
4. **Financial and operational capacity and exclusion** described in the call document 5a. **Evaluation and award:** Submission and evaluation processes described in the call document 5b. **Evaluation and award:** Award criteria, scoring and thresholds described in the call document 5c. **Evaluation and award:** Indicative timeline for evaluation and grant agreement described in the call document **Publication of the call:** SEPTEMBER, 26 2024. **Deadline for submitting applications:** 1st cut-off Date MARCH , 20 2025 17:00 (Brussels time) 2nd cut-off Date JULY , 17 2025 17:00 (Brussels time). **Evaluation period:** 1st cut-off Date MARCH-JUNE 2025 2nd cut-off Date JULY-OCTOBER
5. **Information to applicants:** 1st cut-off Date SEPTEMBER 2025 2nd cut-off Date JANUARY 2026. **Signature of grant agreement:** 1st cut-off Date DECEMBER 2025 2nd cut-off Date APRIL 2026. 6. **Legal and financial set-up of the grants** described in the call document **Call document and annexes:** call document Application form templates **Standard application form (CREA MEDIA)** — the application form specific to this call is available in the Submission System **Information on independence and ownership (CREA MEDIA)** **International film sales agreement PDF** with film(s)/work(s) information generated from the Creative Europe MEDIA Database **Letters of intent of distributors** having acquired the theatrical rights from the sales agent detailing **Promotion and Advertisement (P&A) costs Model Grant Agreements (MGA) CREA MGA Additional documents:** CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2018/1046 **Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA** — Annotated Model Grant Agreement **Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement**

Budget Overview

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Innovative co-electrolysis systems and integration with downstream processes

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-05

Summary : Innovative co-electrolysis systems and integration with downstream processes **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-05>

Description

Expected Outcome: Co-electrolysis technology has a relevant impact on hydrocarbon synthetic production processes (e.g. Fisher-Tropsch, ethylene and methanol routes), which is gaining continuous interest for the production of e-fuels (e.g. Sustainable Aviation Fuel (SAF), e-diesel, e-methane, etc) and other chemicals relevant for the chemical industry. With co-electrolysis carbon dioxide and steam are converted into syngas which is subsequently utilised in the downstream chemical processes to produce synthetic fuels or molecules of interest thereby enhancing overall energy efficiency. The primary benefit of the co-electrolysis lies in the ability to produce high-quality syngas in a single step, eliminating the need for extra H₂/CO₂ conversion processes. Previous EU funded projects (Eco [1] , HELMETH [2] , SOPHIA [3] , ELECTRA [4] , SElySOs [5] , eCOCO₂ [6] , SUN₂CHEM [7]) have already assessed the feasibility of co-electrolysis and laid the groundwork for further improvements. However, heat integration between co-electrolysis systems and downstream processes can improve the overall efficiency of production with lower OPEX and flexible operation towards synthetic chemicals production, an aspect which has not been covered by those projects. Project results are expected to contribute to the following expected outcomes: Efficiency improvement via an optimised system integrating co-electrolyser and downstream reactor, enhancing the efficiency of the power to final chemical process by reducing heat losses and recovering heat produced in the synthesis phase; Optimised resource utilisation via integration with downstream processes, enabling the efficient utilisation of resources, such as waste heat or by-products, leading to overall process optimisation and reduced resource wastage; Durability Improvement via an optimised operational strategy to prevent coke formation in the cells, stacks, stack modules and co-electrolyser system; Cost reduction by optimising the production process and minimising energy consumption with integrated systems helping in reducing production and Total Cost of Ownership (TCO) costs, making the overall process more economically viable; Environmental benefits via an integrated system contributing to reducing the environmental, economic and social impacts of synthetic chemical production, resulting in high reduction potential of greenhouse gas emissions, promoting circularity of materials and components, and, in general, improving the overall environmental impact of the process (in particular when associated with a reduction of the critical raw materials content); Product diversification via integration with downstream processes, facilitating the production of a wider range of products and enabling diversification and opening up new market opportunities. Overall, the expected outcomes of integrating innovative co-electrolysis systems with downstream processes encompass improvements in efficiency, cost-effectiveness, environmental sustainability, technological advancement, and market competitiveness. Project results are expected to contribute to the following objectives of the Clean Hydrogen JU SRIA: Improve cell design/materials for an increased lifetime and high performance, and increase cell/stack robustness through improved thermal and process-flow management; Develop new stack and balance of plant (BoP) designs; Consider innovative system designs and improved balance of plant components to reduce cost; Furthermore, project results are expected to contribute to the following KPIs, targeted at co-electrolyser scale, specific for three high temperature co-electrolysis technologies: Oxide and Proton conductive Solid Oxide electrolyzers (SOEL, PCCEL) and Molten Carbonate Electrolyser (MCE): Oxide conductive Solid Oxide electrolyzers (SOEL) Power to syngas efficiency: 0.9 kWe/ kWLHV Degradation in operating conditions: 0.8 %/1000h @1A/cm² Unit cost: 500 €/kW Proton Conductive Ceramic electrolyzers (PCCEL) Power to syngas efficiency: 0.9 kWe/ kWLHV Degradation in operating conditions: 0.8 %/1000h @0.75A/cm² Unit cost: 500 €/kW Molten Carbonate electrolyzers (MCE) Power to syngas efficiency: 0.93 kWe/ kWLHV Degradation in operating conditions: 0.5 %/1000h @0.5A/cm² Unit cost: 500 €/kW KPIs are defined for the main high temperature co-electrolysis techniques, derived from the SRIA and from results of previous EU funded projects. Scope: Proposals should aim to accelerate the development of the co-electrolysis technology and its integration into real chemical synthesis process by proving the concept and the overall efficiency of the coupling between the co-electrolyser and the downstream process, mainly the catalytic reactor for the chemical synthesis. They should also contribute to resolving additional technological challenges on low-TRL level (cell/stack/stack module technology) to improve the stack operations for direct downstream process integration (downstream gas purity and composition, pressurised conditions) and the core technology impacting more drastically the lifetime (hence OPEX cost contribution) compared to steam electrolysis. The project should cover the following elements: Adapt core technology and cell design to increase the robustness in the identified operating conditions and gas

composition; Screening at cell or short-stack level different catalysts and operational parameters to achieve the required H₂/CO ratio for further downstream processing including pressure, temperature, reactant purity. Investigation should encompass not only performances but also prevention of coke formation in the stack, stack module, system and afterwards; Assessing the optimal operating conditions of the co-electrolyser and of the downstream process at the scale of a short stack over durations above 3000h, with the aim of ensuring an optimised coupling of the two technologies, considering: heat recovery from the fuel synthesis process in the co-electrolysis unit (steam generation, gas preheating, etc.); the most effective strategy for cleaning up produced syngas, if necessary; Design integrated co-electrolyser and downstream reactor with ad hoc BoP to increase global efficiency and promote syngas production stability, supported by simulation tools and experimental validation. The study should analyse the effects of transient and off-design operation of the system, encompassing both startup and shutdown processes. Technological and economical impacts of recirculation of separated streams such as water (steam) and carbon dioxide have to be considered; Demonstrating the coupling at a relevant scale (size of the co-electrolyser >15 kW) between the co-electrolyser and the downstream reactor and evaluate its performance and durability over 2000 h minimum; Conducting a techno-economic and life cycle impacts analysis and a preliminary study of safety aspects of the integrated system. Costs related to downstream process unit design and development will not be funded and the coupling should be performed in a location where such a reactor is available at the adequate size for a good matching with the co-electrolyser. An electrolyser manufacturer should be involved in the consortium for this topic. Participation of industrial partners in the integration downstream and valorisation of the co-electrolysis product is expected. For activities developing test protocols and procedures for the performance and durability assessment of electrolysers and fuel cell components proposals should foresee a collaboration mechanism with JRC [8] (see section 2.2.4.3 "Collaboration with JRC"), in order to support EU-wide harmonisation. Test activities should adopt the already published EU harmonised testing protocols [9] to benchmark performance and quantify progress at programme level. For additional elements applicable to all topics please refer to section 2.2.3.2 Activities are expected to start at TRL 3 and achieve TRL 5 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 4.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply mutatis mutandis. [1] <https://cordis.europa.eu/project/id/699892> [2] <https://cordis.europa.eu/project/id/621210> [3] <https://cordis.europa.eu/project/id/621173> [4] <https://cordis.europa.eu/project/id/621244> [5] <https://cordis.europa.eu/project/id/671481> [6] <https://cordis.europa.eu/project/id/838077> [7] <https://cordis.europa.eu/project/id/884444> [8] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0_en [9] https://www.clean-hydrogen.europa.eu/knowledge-management/collaboration-jrc-0/clean-hydrogen-ju-jrc-deliverables_en

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:
 - HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
 - HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
 - HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million

- HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
 - HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
 - HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
 - HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
- 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes
- HORIZON-JU-CLEANH2-2025-01-04
 - HORIZON-JU-CLEANH2-2025-01-06
 - HORIZON-JU-CLEANH2-2025-02-03
 - HORIZON-JU-CLEANH2-2025-04-01
 - HORIZON-JU-CLEANH2-2025-06-01
 - HORIZON-JU-CLEANH2-2025-06-02
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:
7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.
8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.
4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

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AWP 2025 Clean Hydrogen JU - Strategic Research and Innovation Agenda (SRIA)

- SRIA Clean Hydrogen JU Lump Sums Guidance

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Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Towards exploration and evaluation of European natural hydrogen potential

General Info

Topic ID : HORIZON-JU-CLEANH2-2025-01-07

Summary : Towards exploration and evaluation of European natural hydrogen potential **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-01-30T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEANH2-2025-01-07>

Description

Expected Outcome: Although natural hydrogen is produced via various physical phenomena taking place in the Earth's subsurface, notably fluid-rock interactions, the discoveries have all been accidental, limited in investigation, and only

harnessed in Mali. As such, natural hydrogen is a potential new source of clean hydrogen which can play a significant role in Europe to meet the objectives set out in the Fit-for-55 Package and REPowerEU plan. In the future, the potential of natural hydrogen accumulations in the subsurface should be determined and exploited in Europe in a safe and sustainable way to complement other routes of hydrogen production. Indeed, natural hydrogen may contribute to limiting greenhouse gas emissions, raw materials, water resources, and land use as compared to other types of hydrogen production, hereby strengthening the EU energy independency while accelerating the implementation of the hydrogen energy economy and thus the net-zero energy transition. Nevertheless, current needs are to develop methods and workflows to efficiently explore this resource, increase public support, and evaluate economically viable industrial solutions. Project results are expected to contribute to the following outcomes: Strengthened European leadership in the exploration of natural hydrogen to identify and evaluate reserves and seek industrial production; Improved understanding of the occurrence and the resource potential of natural hydrogen in Europe, to define prospective areas for exploration and production (E&P); Identification of enablers and barriers in terms of regulation, social acceptability, market, and financial incentives to stimulate the E&P of natural hydrogen for European countries. Scope: Natural hydrogen is a resource that has recently come under the spotlight for its potential to accelerate the shift to a net-zero economy within the next decades. However, its production is critically challenged by the relatively limited understanding of the processes and geological conditions of its generation, the lack of well-proven workflows and the development of standard methods for its exploration. Efficient detection methods are required to identify promising areas prone to regional exploration, while analytical and numerical workflows are needed to quantify the potential of a geological formation to hold adequate volumes of natural hydrogen for production at an industrial scale. This requires knowledge improvement of the subsurface processes controlling the generation, migration and trapping of hydrogen in economically relevant quantities. This topic aims to support both the development of new methods, technologies, and workflows that will enable the development of E&P of natural hydrogen in Europe. It will bridge the gap between Research and Innovation (R&I), regulatory framework, and economic investments to boost the energy transition. Proposals in this call should aim at better understanding the mechanisms related to natural hydrogen generation and accumulation in the subsurface, developing specific tools and methods to assess the resource potential, demonstrating its environmentally and economically viable exploitation, and informing adequate regulation and policies in Europe for large-scale deployment. Proposals should address most of the following elements: Development of techniques, tools, and methods to better characterise and understand processes controlling the formation, migration, and accumulation of hydrogen in the subsurface as well as natural emissions to the surface, and to establish a set of criteria to confidently identify prospective areas. Proposals should include at least one case study area (two if the budget allows it) to test remote sensing and hydrogen sensors, gather geophysical data from active or passive seismic, gather geochemical data, possibly logging tool (tools which are run into the well after drilling and which, with specific development would help to characterize hydrogen in the well) in order to calibrate methods with minimal environmental impact; Guidelines for systematically identifying potential natural hydrogen sources in Europe by determining the combination of key parameters and conditions necessary to its generation; Analogue experiments to simulate in situ conditions (temperatures, pressures, rock mineralogy and chemistry, geofluid compositions) controlling the generation of natural hydrogen and its kinetic (in mol/kg/s); Numerical models to predict the dynamics of large hydrogen systems, from the source (generation, migration, and alteration), trapping in reservoirs if appropriate, to emission/leakage at the surface. It should allow the determination of a “Hydrogen Window” i.e. both chemical and physical subsurface conditions to generate natural hydrogen, applicable on specific or general conditions. Ultimately, the numerical models should allow quantifying the possible volume (in tonnes) and production rate (in tonnes/year) of selected sites of natural hydrogen in Europe in the coming years and characterizing its potential renewable aspect; Characterisation of purification requirements of selected expected gas compositions, identification of possible technologies, and test of their performances at laboratory scale. Life Cycle Assessment to determine the environmental performance of exploring, extracting, and producing natural hydrogen at this early stage of knowledge and at relevant specifications (i.e. including purification and other post-production treatments) notably in terms of (i) Greenhouse gas emissions range (in kg CO₂ eq. per kg H₂ produced) including possible associated gases and fugitive leakages, (ii) critical raw materials use, (iii) water resources consumption, and (iv) land use; A check (based on the LCA results) whether natural hydrogen can be classified as Renewable Fuels of Non-Biological Origin (RFNBO) established under the Renewable Energy Directive (RED II). This would allow framing natural hydrogen into EU certifications which will ensure a commercialisation of the natural hydrogen to clients willing to decarbonise their activities. Elements to establish the right taxonomy of natural hydrogen to be certified under EU certification schemes should be provided; A conceptual study to assess the levelized cost range of hydrogen production (in € per kg H₂ produced) taking into account, key parameters such as drilling design, operational costs, periodic work-over, abandonment costs, purification requirement, expected volume and well deliverability. A parametric model integrating the outputs of the conceptual study will allow the economic assessment of prospects on a case-by-case basis. At the same time, a bottleneck is to access these reserves in a safe and cost-efficient manner. Thus, research on identifying challenges related to well construction, drilling dynamics, and how to address them, will provide tools and methods to advance exploration and production of natural hydrogen, and mitigate leakages from prospection to exploitation; In addition, proposals may address the following: Identification, description, and evaluation of the specific geological formations, processes, and settings that can potentially produce natural hydrogen in economically viable quantities in Europe; The social acceptability of these projects is also key to operate. Protocols are needed to improve public perception and acceptance including communication strategies dedicated to specific stakeholders with emphasis

on the local benefits provided by the resources, and on the activities and their related safety risk mitigation; Mitigate the risks related to the safety of handling hydrogen in such quantities and opposition by the public, to accelerate the transition towards low-carbon energy solutions. As relevant, proposals are encouraged to involve European and national geological research institutes. For additional elements applicable to all topics please refer to section 2.2.3.2. Activities are expected to start at TRL 2 and achieve TRL 4 by the end of the project - see General Annex B. The JU estimates that an EU contribution of maximum EUR 2.00 million would allow these outcomes to be addressed appropriately. The conditions related to this topic are provided in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Plan and in the General Annexes to the Horizon Europe Work Programme 2023–2025 which apply *mutatis mutandis*.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System. Page limit for Innovation Actions : For all Innovation Actions the page limit of the applications are 70 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligibility Conditions described in Annex B of the Work Programme General Annexes. Additional eligibility condition: Maximum contribution per topic For some topics, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to limit the Clean Hydrogen JU requested contribution mostly for actions performed at high TRL level, including demonstration in real operational environment and with important involvement from industrial stakeholders and/or end users such as public authorities. Such actions are expected to leverage co-funding as commitment from stakeholders. It is of added value that such leverage is shown through the private investment in these specific topics. Therefore, proposals requesting contributions above the amounts specified per each topic below will not be evaluated:

- HORIZON-JU-CLEANH2-2025-01-04: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-01-06: The maximum Clean Hydrogen JU contribution that may be requested is EUR 8.00 million
- HORIZON-JU-CLEANH2-2025-02-03: The maximum Clean Hydrogen JU contribution that may be requested is EUR 6.00 million
- HORIZON-JU-CLEANH2-2025-04-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 5.00 million
- HORIZON-JU-CLEANH2-2025-06-01: The maximum Clean Hydrogen JU contribution that may be requested is EUR 20.00 million
- HORIZON-JU-CLEANH2-2025-06-02: The maximum Clean Hydrogen JU contribution that may be requested is EUR 9.00 million Additional eligibility condition: Membership to Hydrogen Europe / Hydrogen Europe Research For the topics listed below, in line with the Clean Hydrogen JU SRIA, an additional eligibility criterion has been introduced to ensure that one partner in the consortium is a member of either Hydrogen Europe or Hydrogen Europe Research . This concerns topics targeting actions for large-scale demonstrations, flagship projects and strategic research actions, where the industrial and research partners of the Clean Hydrogen JU are considered to play a key role in accelerating the commercialisation of hydrogen technologies by being closely linked to the Clean Hydrogen JU constituency, which could further ensure full alignment with the SRIA of the JU. This approach shall also ensure the continuity of the work performed within projects funded through the H2020 and FP7, by building up on their experience and consolidating the EU value-chain. In the Call 2025 this applies to: demonstration of efficient electrolysis coupling with variable renewable electricity and/or heat integration, demonstration of innovative hydrogen and solid carbon production from renewable gases/biogenic waste processes, demonstration of scalable ammonia cracking technology, and demonstration of stationary fuel cells in renewable energy communities. This will also apply to the Hydrogen Valley (flagship) topics as they are considered of strategic importance for the European Union ambitions to double the number of Hydrogen Valleys by 2025. For the Hydrogen Valleys topics a large amount of co-investment/cofunding of project participants/beneficiaries including national and regional programmes is expected.
- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01

- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . STEP (Sovereignty) Seal For the topics below topics the STEP Seal (so called “Sovereignty Seal” under the STEP Regulation) will be awarded to proposals exceeding all of the evaluation thresholds set out in this Annual Work Programme. The STEP Seal is a label, which aims to increase the visibility of quality projects available for funding and help attract alternative and cumulative funding for quality projects, and simultaneously to provide a potential project pipeline for regional and national programmes

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

6. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. described in Annex G of the Work Programme General Annexes. In addition to the standard provisions, the following specific provisions in the model grant agreement will apply:

7. Lump Sum This year’s call for proposals will take the form of lump sums as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021- 2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). Lump sums will be used across all topics in the Call 2025.

8. Full capitalised costs for purchases of equipment, infrastructure or other assets purchased specifically for the action For some topics, in line with the Clean Hydrogen JU SRIA, mostly large-scale demonstrators or flagship projects specific equipment, infrastructure or other assets purchased specifically for the action (or developed as part of the action tasks) can exceptionally be declared as full capitalised costs. This concerns the topics below:

- HORIZON-JU-CLEANH2-2025-01-04
- HORIZON-JU-CLEANH2-2025-01-06
- HORIZON-JU-CLEANH2-2025-02-03
- HORIZON-JU-CLEANH2-2025-04-01
- HORIZON-JU-CLEANH2-2025-06-01
- HORIZON-JU-CLEANH2-2025-06-02

3. Subcontracting For all topics: an additional obligation regarding subcontracting has been introduced, namely that subcontracted work may only be performed in target countries set out in the call conditions. The beneficiaries must ensure that the subcontracted work is performed in the countries set out in the call conditions. The target countries are all Member States of the European Union and all Associated Countries.

4. Intellectual Property Rights (IPR), background and results, access rights and rights of use (article 16 and Annex 5 of the Model Grant Agreement (MGA)) An additional information obligation has been introduced for topics including standardisation activities: ‘Beneficiaries must, up to 4 years after the end of the action, inform the granting authority if the results could reasonably be expected to contribute to European or international standards’. These concerns the topics below:

- HORIZON-JU-CLEANH2-2025-02-01 Specific conditions described in the chapter 2.2.3.2 of the Clean Hydrogen JU 2025 Annual Work Programme Application and evaluation forms and model grant agreement (MGA): Application form templates Application form - Part B (HE CleanH2 RIA, IA) Application form - Part B (HE CleanH2 CSA) Evaluation form templates Standard evaluation form (HE RIA, IA) Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Clean Hydrogen JU - Annual Work Programme 2025 (AWP 2025)

- SRIA Clean Hydrogen JU Lump Sums Guidance

Guidance: "Lump sums - what do I need to know?"

Comprehensive information on lump sum funding in Horizon Europe Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Innovation Fund 2024 - Batteries - Manufacturing of electric vehicles battery cells

General Info

Topic ID : INNOVFUND-2024-BATT-EV-CELLS

Summary : Innovation Fund 2024 - Batteries - Manufacturing of electric vehicles battery cells **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-BATT-EV-CELLS>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
 2. Eligible Countries Described in section 6 of the call document .
 3. Other Eligible Conditions Described in section 6 of the call document .
 4. Financial and operational capacity and exclusion Described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes Described in section 8 and 11 of the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Described in sections 8 and 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section 4 of the call document .
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- UPDATED (version 1.1 – 17 February 2025) Methodology for calculation of GHG emission avoidance (only section 7 is relevant for this call) – UPDATED (version 4.2 – 2 April 2025) Methodology for calculation of relevant costs Application form and templates — for information only — for submission, use the forms provided inside the Submission System (under "Part B templates") Application form — the application form specific to this call is available in the Submission System (under "Part B templates") Detailed budget table/relevant cost calculator ('financial information file') GHG emission avoidance calculator (includes an example calculation) - Choose ONLY the 'GHG calculator batteries' from the ones available in the Submission System (under "Part B templates") GHG calculator batteries

- UPDATED (version 1.2 – 10 March 2025) Feasibility study Business plan Participant information Timetable/Gantt chart Extended Part C form (for statistical data collection) — available in the Submission System (under "Part B templates") Knowledge Sharing report template — for information only at submission stage Model Grant Agreement (MGA) INNOVFUND Lump Sum MGA Legal framework and additional documents Legal framework: Legal basis for this call for proposals: Decision C(2024)8011 and Annex Decision on lump sums for the Innovation Fund INNOVFUND Legal Framework INNOVFUND Regulation 2019/856 ETS Directive 2003/87 EU Financial Regulation 2024/2509 Additional documents: Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"108876":[{"action":"INNOVFUND-2024-BATT-EV-CELLS - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"1000000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}]}

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Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Large-Scale Projects

General Info

Topic ID : INNOVFUND-2024-NZT-GENERAL-LSP

Summary : Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Large-Scale Projects **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-NZT-GENERAL-LSP>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
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- UPDATED (version 8.1 – 31 January 2025) GHG calculator energy storage
- UPDATED (version 9.2 – 10 March 2025) GHG calculator energy intensive industries (EII)
- UPDATED (version 6.1 – 31 January 2025) GHG calculator mobility
- UPDATED (version 1.1 – 31 January 2025) Feasibility study Business plan Participant information

Timetable/Gantt chart Extended Part C form (for statistical data collection) — available in the Submission System (under "Part B templates") Knowledge Sharing report template — for information only at submission stage Model Grant Agreement (MGA) INNOVFUND Lump Sum MGA Legal framework and additional documents Legal framework: Legal basis for this call for proposals: Decision C(2024)8011 and Annex Decision on lump sums for the Innovation Fund INNOVFUND Legal Framework INNOVFUND Regulation 2019/856 ETS Directive 2003/87 EU Financial Regulation 2024/2509 Additional documents: Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"108874":[{"action":"INNOVFUND-2024-NZT-GENERAL-MSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-PILOTS - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-LSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-SSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}]}}
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Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Small-Scale Projects

General Info

Topic ID : INNOVFUND-2024-NZT-GENERAL-SSP

Summary : Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Small-Scale Projects **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-NZT-GENERAL-SSP>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
2. Eligible Countries Described in section 6 of the call document .
3. Other Eligible Conditions Described in section 6 of the call document .
4. Financial and operational capacity and exclusion Described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes Described in section 8 and 11 of the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Described in sections 8 and 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section 4 of the call document .
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 - UPDATED (version 9.2 – 10 March 2025) GHG calculator energy intensive industries (EII)
 - UPDATED (version 6.1 – 31 January 2025) GHG calculator mobility
 - UPDATED (version 1.1 – 31 January 2025) Feasibility study Business plan Participant information Timetable/Gantt chart Extended Part C form (for statistical data collection) — available in the Submission System (under "Part B templates") Knowledge Sharing report template — for information only at submission stage Model Grant Agreement (MGA) INNOVFUND Lump Sum MGA Legal framework and additional documents Legal framework: Legal basis for this call for proposals: Decision C(2024)8011 and Annex Decision on lump sums for the Innovation Fund INNOVFUND Legal Framework INNOVFUND Regulation 2019/856 ETS Directive 2003/87 EU Financial Regulation 2024/2509 Additional documents: Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"108874":[{"action":"INNOVFUND-2024-NZT-GENERAL-MSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-PILOTS - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-LSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-SSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}]}}}
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Innovation Fund 2024 Net Zero Technologies – Pilot projects

General Info

Topic ID : INNOVFUND-2024-NZT-PILOTS

Summary : Innovation Fund 2024 Net Zero Technologies – Pilot projects **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-NZT-PILOTS>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
 2. Eligible Countries Described in section 6 of the call document .
 3. Other Eligible Conditions Described in section 6 of the call document .
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 - UPDATED (version 1.1 – 31 January 2025) Feasibility study Business plan Participant information Timetable/Gantt chart Extended Part C form (for statistical data collection) — available in the Submission System (under "Part B templates") Knowledge Sharing report template — for information only at submission stage Model Grant Agreement (MGA) INNOVFUND Lump Sum MGA Legal framework and additional documents Legal framework: Legal basis for this call for proposals: Decision C(2024)8011 and Annex Decision on lump sums for the Innovation Fund INNOVFUND Legal Framework INNOVFUND Regulation 2019/856 ETS Directive 2003/87 EU Financial Regulation 2024/2509 Additional documents: Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{ "budgetYearsColumns":["2024"], "budgetTopicActionMap": { "108874": [{ "action": "INNOVFUND-2024-NZT-GENERAL-MSP - InnovFund-LS INNOVFUND Lump Sum Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2024": "2400000000" }, "plannedOpeningDate": "2024-12-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-24"] }, { "action": "INNOVFUND-2024-NZT-PILOTS - InnovFund-LS INNOVFUND Lump Sum Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2024": "2400000000" }, "plannedOpeningDate": "2024-12-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-24"] }, { "action": "INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING - InnovFund-LS INNOVFUND Lump Sum Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2024": "2400000000" }, "plannedOpeningDate": "2024-12-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-24"] }, { "action": "INNOVFUND-2024-NZT-GENERAL-LSP - InnovFund-LS INNOVFUND Lump Sum Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2024": "2400000000" }, "plannedOpeningDate": "2024-12-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-24"] }, { "action": "INNOVFUND-2024-NZT-GENERAL-SSP - InnovFund-LS INNOVFUND Lump Sum Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2024": "2400000000" }, "plannedOpeningDate": "2024-12-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-24"] }] } }

Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Medium-Scale Projects

General Info

Topic ID : INNOVFUND-2024-NZT-GENERAL-MSP

Summary : Innovation Fund 2024 Net Zero Technologies – General decarbonisation – Medium-Scale Projects **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-NZT-GENERAL-MSP>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
2. Eligible Countries Described in section 6 of the call document .
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Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"108874":[{"action":"INNOVFUND-2024-NZT-GENERAL-MSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-PILOTS - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-LSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-SSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}]}}
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Innovation Fund 2024 Net Zero Technologies – Clean-tech manufacturing

General Info

Topic ID : INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING

Summary : Innovation Fund 2024 Net Zero Technologies – Clean-tech manufacturing **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-24T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING>

Description

None

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout Described in section 5 of the call document .
 - 2. Eligible Countries Described in section 6 of the call document .
 - 3. Other Eligible Conditions Described in section 6 of the call document .
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Budget Overview

{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"108874":[{"action":"INNOVFUND-2024-NZT-GENERAL-MSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-PILOTS - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-CLEAN-TECH-MANUFACTURING - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-LSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}],{"action":"INNOVFUND-2024-NZT-GENERAL-SSP - InnovFund-LS INNOVFUND Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2400000000"},"plannedOpeningDate":"2024-12-03","deadlineModel":"single-stage","deadlineDates":["2025-04-24"]}]}}

Support measures for migrant women’s integration

General Info

Topic ID : AMIF-2025-TF2-AG-INTE-01-WOMEN

Summary : Support measures for migrant women’s integration **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-16T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AMIF-2025-TF2-AG-INTE-01-WOMEN>

Description

Expected Outcome: Integration, Women

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (AMIF, ISF and BMVI) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) AMIF, ISF and BMVI MGA Additional documents: AMIF Work Programmes AMIF Regulation 2021/1147 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109905":[{"action":"AMIF-2025-TF2-AG-INTE-05-CHILDREN - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}],{"action":"AMIF-2025-TF2-AG-INTE-04-PATHWAYS - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}],{"action":"AMIF-2025-TF2-AG-INTE-02-HEALTH - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}],{"action":"AMIF-2025-TF2-AG-INTE-01-WOMEN - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}],{"action":"AMIF-2025-TF2-AG-INTE-03-DIGITAL - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":

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Measures to support Member States in the field of protection of children in migration

General Info

Topic ID : AMIF-2025-TF2-AG-INTE-05-CHILDREN

Summary : Measures to support Member States in the field of protection of children in migration **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AMIF-2025-TF2-AG-INTE-05-CHILDREN>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (AMIF, ISF and BMVI) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) AMIF, ISF and BMVI MGA Additional documents: AMIF Work Programmes AMIF Regulation 2021/1147 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{ "budgetYearsColumns": ["2025"], "budgetTopicActionMap": { "109905": [{ "action": "AMIF-2025-TF2-AG-INTE-05-CHILDREN - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000" }, "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-04-PATHWAYS - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000" }, "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-02-HEALTH - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000" }, "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-01-WOMEN - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000" }, "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }] } }

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Access to healthcare

General Info

Topic ID : AMIF-2025-TF2-AG-INTE-02-HEALTH

Summary : Access to healthcare **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AMIF-2025-TF2-AG-INTE-02-HEALTH>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (AMIF, ISF and BMVI) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) AMIF, ISF and BMVI MGA Additional documents: AMIF Work Programmes AMIF Regulation 2021/1147 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{ "budgetYearsColumns": ["2025"], "budgetTopicActionMap": { "109905": [{ "action": "AMIF-2025-TF2-AG-INTE-05-CHILDREN - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000", "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-04-PATHWAYS - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000", "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-02-HEALTH - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000", "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] }, { "action": "AMIF-2025-TF2-AG-INTE-01-WOMEN - AMIF-PJG AMIF Project Grants", "expectedGrants": 0, "minContribution": 0, "maxContribution": 0, "budgetYearMap": { "2025": "34000000", "plannedOpeningDate": "2025-04-03", "deadlineModel": "single-stage", "deadlineDates": ["2025-09-16"] } }] }

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Promoting complementary pathways linked to education

General Info

Topic ID : AMIF-2025-TF2-AG-INTE-04-PATHWAYS
Summary : Promoting complementary pathways linked to education **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AMIF-2025-TF2-AG-INTE-04-PATHWAYS>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (AMIF, ISF and BMVI) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) AMIF, ISF and BMVI MGA Additional documents: AMIF Work Programmes AMIF Regulation 2021/1147 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109905":[{"action":"AMIF-2025-TF2-AG-INTE-05-CHILDREN - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]},"action":"AMIF-2025-TF2-AG-INTE-04-PATHWAYS - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]},"action":"AMIF-2025-TF2-AG-INTE-02-HEALTH - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}]}]}

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Improving digital skills among migrants

General Info

Topic ID : AMIF-2025-TF2-AG-INTE-03-DIGITAL
Summary : Improving digital skills among migrants **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/AMIF-2025-TF2-AG-INTE-03-DIGITAL>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (AMIF, ISF and BMVI) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) AMIF, ISF and BMVI MGA Additional documents: AMIF Work Programmes AMIF Regulation 2021/1147 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109905":[{"action":"AMIF-2025-TF2-AG-INTE-05-CHILDREN - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}, {"action":"AMIF-2025-TF2-AG-INTE-04-PATHWAYS - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"34000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}, {"action":"AMIF-2025-TF2-AG-INTE-02-HEALTH - AMIF-PJG AMIF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":


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Alternative Fuels Infrastructure Facility - Co-funding Rate

General Info

Topic ID : CEF-T-2024-AFIFCOEN-COSTS

Summary : Alternative Fuels Infrastructure Facility - Co-funding Rate **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2024-09-24T00:00:00.000+0200 **Start Date :** 2024-02-29T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-T-2024-AFIFCOEN-COSTS>

Description

Objective: The objective is to support the deployment of Alternative Fuel supply infrastructure, contributing to decarbonising transport along the TEN-T network. **Scope:** The following Actions will be supported: Actions supporting the deployment of electricity recharging infrastructure for Heavy-Duty Vehicles, equipped with recharging points of respectively minimum 150kW, 350kW and 1MW power output. Actions supporting the roll-out of hydrogen refuelling infrastructure for Heavy-Duty Vehicles. Actions supporting the roll-out of hydrogen refuelling infrastructure for public transport in bus depots for railways on sections of the TEN-T rail network for which a derogation from the electrification requirement has been granted and on isolated networks, in line with the applicable TEN-T Regulation, or in terminals for refuelling shunting locomotives. Actions supporting the roll-out of hydrogen refuelling and electricity recharging infrastructure dedicated to inland waterway and maritime vessels, vessels, vehicles and equipment for port operations and airports. Actions supporting the deployment of bunkering infrastructure for ammonia supply to maritime and inland waterway vessels and vessels for port operations for TEN-T maritime ports and inland ports. Actions supporting the deployment of bunkering infrastructure for methanol supply to maritime and inland waterway vessels and vessels for port operations for TEN-T maritime ports and inland ports. Costs related to vehicles or vessels will not be eligible, except for vessels in the case of inland waterway and short sea shipping, if an initial number of vessels is needed to kick-start the use of the supported recharging/refuelling infrastructure. In such case, the eligible cost shall be limited to the difference of cost between a fossil-fuel vessel and the zero-emission vessel(s). Costs related to the production of green hydrogen for the purpose of transport will be eligible as synergetic elements under the conditions specified in Section 10.6 of the Work Programme.

Conditions

Conditions Conditions 1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System 2. Eligible countries: described in section 6 of of the call document 3. Other eligibility conditions: described in section 6 of the call document 4. Financial and operational capacity and exclusion: described in section 7 of the call document Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document 6 . Legal and financial set-up of the grants: described in section 10 of the call document Documents Call documents : Call document CEF-T-2024-AFIFCOEN Application form and annexes : Proposals (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic Page - these are only for information) Application form (Part A and B) Detailed budget table per WP Timetable (Gantt Chart) Letter of support (MS agreement) Environmental compliance file Financial

Budget Overview

`{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"102827":[{"action":"CEF-T-2024-AFIFCOEN-COSTS - CEF-INFRA CEF Infrastructure Projects","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2200000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}],{"action":"CEF-T-2024-AFIFCOEN-UNITS - CEF-AFIF-EVRI-UN CEF AFIF-EVRI Unit Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"2200000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}]}}`

Alternative Fuels Infrastructure Facility - Unit Contributions

General Info

Topic ID : CEF-T-2024-AFIFCOEN-UNITS

Summary : Alternative Fuels Infrastructure Facility - Unit Contributions **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2024-09-24T00:00:00.000+0200 **Start Date :** 2024-02-29T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-T-2024-AFIFCOEN-UNITS>

Description

Objective: The objective is to support the deployment of Alternative Fuel supply infrastructure, contributing to decarbonising transport along the TEN-T network. Scope: The following Actions will be supported: Actions supporting the roll-out of electricity recharging infrastructure for Light-Duty and Heavy-Duty Vehicles of a minimum power output of respectively 150kW and 350kW. Costs related to vehicles will not be eligible.

Conditions

Conditions Conditions 1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System 2. Eligible countries: described in section 6 of of the call document 3. Other eligibility conditions: described in section 6 of the call document 4. Financial and operational capacity and exclusion: described in section 7 of the call document Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document 6 . Legal and financial set-up of the grants: described in section 10 of the call document Documents Call documents : Call document CEF-T-2024-AFIFCOEN Application form and annexes : Proposals (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic Page - these are only for information) Application form (Part A and B) Calculator (CEF-T UN AFIF-EVRI) Timetable (Gantt Chart) Letter of support (MS agreement) Environmental compliance file Financial approval letter (IP) Financial approval letter (non-IP) Simplified CBA calculator (CEF-T) List of Implementing Partners Model Grant Agreement: CEF Unit Model Grant Agreement Additional documents: Decision on unit contributions for CEF ERTMS, AFIF-EVRI and RFN CINEA guide on economic appraisal for CEF-T transport projects Work Programme 2021-2027 (CEF-T) CEF Regulation 2021/1153 TEN-T Regulation 1315/2013 EU Financial Regulation 2018/1046

Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"102827":[{"action":"CEF-T-2024-AFIFCOEN-COSTS - CEF-INFRA CEF Infrastructure Projects","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"220000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}],{"action":"CEF-T-2024-AFIFCOEN-UNITS - CEF-AFIF-EVRI-UN CEF AFIF-EVRI Unit Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":"220000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}]}}
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Alternative Fuels Infrastructure Facility - Co-funding Rate

General Info

Topic ID : CEF-T-2024-AFIFGEN-COSTS

Summary : Alternative Fuels Infrastructure Facility - Co-funding Rate **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2024-09-24T00:00:00.000+0200 **Start Date :** 2024-02-29T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-T-2024-AFIFGEN-COSTS>

Description

Objective: The objective is to support the deployment of Alternative Fuel supply infrastructure, contributing to decarbonising transport along the TEN-T network. Scope: The following Actions will be supported: Actions supporting the deployment of electricity recharging infrastructure for Heavy-Duty Vehicles, equipped with recharging points of respectively minimum 150kW, 350kW and 1MW power output. Actions supporting the roll-out of hydrogen refuelling infrastructure for Heavy-Duty Vehicles. Actions supporting the roll-out of hydrogen refuelling infrastructure for public transport in bus depots for railways on sections of the TEN-T rail network for which a derogation from the electrification requirement has been granted and on isolated networks, in line with the applicable TEN-T Regulation, or in terminals for refuelling shunting locomotives. Actions supporting the roll-out of hydrogen refuelling and electricity recharging infrastructure dedicated to inland waterway and maritime vessels, vessels, vehicles and equipment for port operations and airports. Actions supporting the deployment of bunkering infrastructure for ammonia supply to maritime and inland waterway vessels and vessels for port operations for TEN-T maritime ports and inland ports. Actions supporting the deployment of bunkering infrastructure for methanol supply to maritime and inland waterway vessels and vessels for port operations for TEN-T maritime ports and inland ports. Costs related to vehicles or vessels will not be eligible, except for vessels in the case of inland waterway and short sea shipping, if an initial number of vessels is needed to kick-start the use of the supported recharging/refuelling infrastructure. In such case, the eligible cost shall be limited to the difference of cost between a fossil-fuel vessel and the zero-emission vessel(s). Costs related to the production of green hydrogen for the purpose of transport will be eligible as synergetic elements under the conditions specified in Section 10.6 of the Work Programme.

Conditions

Conditions Conditions 1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System 2. Eligible countries: described in section 6 of of the call document 3. Other eligibility conditions: described in section 6 of the call document 4. Financial and operational capacity and exclusion: described in section 7 of the call document Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document 6 . Legal and financial set-up of the grants: described in section 10 of the call document Documents

Call documents: Call document CEF-T-2024-AFIFGEN Application form and annexes: Proposals (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic Page - these are only for information) Application form (Part A and B) Detailed budget table per WP Timetable (Gantt Chart) Letter of support (MS agreement) Environmental compliance file Financial approval letter (IP) Financial approval letter (non-IP) Simplified CBA calculator (CEF-T) List of Implementing Partners Model Grant Agreement: CEF Model Grant Agreement MGA Additional documents: CINEA guide on economic appraisal for CEF-T transport projects Work Programme 2021-2027 (CEF-T) CEF Regulation 2021/1153 TEN-T Regulation 1315/2013 EU Financial Regulation 2018/1046

Budget Overview

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{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"102828":[{"action":"CEF-T-2024-AFIFGEN-UNITS - CEF-AFIF-EVRI-UN CEF AFIF-EVRI Unit Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"780000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}],{"action":"CEF-T-2024-AFIFGEN-COSTS - CEF-INFRA CEF Infrastructure Projects","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"780000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}]}}
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Alternative Fuels Infrastructure Facility - Unit Contributions

General Info

Topic ID : CEF-T-2024-AFIFGEN-UNITS

Summary : Alternative Fuels Infrastructure Facility - Unit Contributions **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2024-09-24T00:00:00.000+0200 **Start Date :** 2024-02-29T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-T-2024-AFIFGEN-UNITS>

Description

Objective: The objective is to support the deployment of Alternative Fuel supply infrastructure, contributing to decarbonising transport along the TEN-T network. **Scope:** The following Actions will be supported: Actions supporting the roll-out of electricity recharging infrastructure for Light-Duty and Heavy-Duty Vehicles of a minimum power output of respectively 150kW and 350kW. Costs related to vehicles will not be eligible.

Conditions

Conditions Conditions 1. Admissibility conditions: described in section 5 of the call document Proposal page limits and layout: described in Part B of the Application Form available in the Submission System 2. Eligible countries: described in section 6 of of the call document 3. Other eligibility conditions: described in section 6 of the call document 4. Financial and operational capacity and exclusion: described in section 7 of the call document Submission and evaluation processes : described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document 6 . Legal and financial set-up of the grants: described in section 10 of the call document Documents Call documents: Call document CEF-T-2024-AFIFGEN Application form and annexes: Proposals (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic Page - these are only for information) Application form (Part A and B) Calculator (CEF-T UN AFIF-EVRI) Timetable (Gantt Chart) Letter of support (MS agreement) Environmental compliance file Financial approval letter (IP) Financial approval letter (non-IP) Simplified CBA calculator (CEF-T) List of Implementing Partners Model Grant Agreement: CEF Unit Model Grant Agreement Additional documents: Decision on unit

Budget Overview

{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"102828":[{"action":"CEF-T-2024-AFIFGEN-UNITS - CEF-AFIF-EVRI-UN CEF AFIF-EVRI Unit Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"7800000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}],{"action":"CEF-T-2024-AFIFGEN-COSTS - CEF-INFRA CEF Infrastructure Projects","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"7800000000"},"plannedOpeningDate":"2024-02-29","deadlineModel":"multiple cut-off","deadlineDates":["2024-09-24","2025-06-11","2026-03-04"]}]}}

Electricity, Gas, Smart Grids, Hydrogen and CO₂ networks - Studies

General Info

Topic ID : CEF-E-2025-PCI-PMI-STUDIES

Summary : Electricity, Gas, Smart Grids, Hydrogen and CO₂ networks - Studies **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-E-2025-PCI-PMI-STUDIES>

Description

Expected Impact: As indicated in section 1 the Multi-annual Work Programme, it is expected that the financial assistance contributes to the further development and implementation of PCIs and PMIs helping to achieve the broader TEN-E policy objectives and the CEF energy policy objectives of: further integration of an efficient and competitive internal energy market, interoperability of networks across borders and sectors, facilitating decarbonisation of the economy, promoting energy efficiency and ensuring security of supply. In accordance with Recital 5 of the CEF Regulation (EU) 2021/1153 and in line with the Multi-annual Work Programme, this call for proposals aims at financing projects contributing to the goals and objectives of the European Green Deal, as well as the Paris Agreement and the 2030 climate and energy targets and the EU's mid-term and long-term objectives in terms of decarbonisation. Expected Outcome: This topic aims to enable PCIs and PMIs to be implemented within the framework of the deployment of trans-European networks in the energy sector. In particular, the call shall contribute to supporting energy infrastructure PCIs and PMIs that have significant socio-economic benefits and ensure greater solidarity among Member States, but which do not receive adequate financing from the market. Projects supported by this call pursue the goals and objectives of the European Green Deal, as well as the Paris Agreement and the 2030 climate and energy targets and long-term decarbonisation objectives. Therefore, financial assistance provided under this call for proposals should maximise its added value towards decarbonisation of the energy sector. The EU Grid Action Plan underlines the critical importance of electricity grids in the energy transition. Objective: The objective of this topic is to support and contribute to the implementation of PCIs and PMIs. Scope: This topic refers to projects for studies contributing to the preparation of the implementation of a PCI or a PMI. Studies in the meaning of CEF-Energy include activities needed to prepare project implementation, such as preparatory, mapping, feasibility, evaluation, testing and validation studies, including in the form of software, and any other technical support measure, including prior action to define and develop a project and decide on its financing, site / route identification and preparation of the financial package. Only projects contributing to PCIs and PMIs as identified in the First Union list of PCIs and PMIs list shall be eligible for support through EU financial aid in the form of grants. Pursuant to Article 18 of the TEN-E Regulation, PCIs or PMIs falling under the energy infrastructure categories set out in Article 24 and Annex II of the TEN-E Regulation are eligible for EU financial assistance in the form of grants for studies.

Conditions

Conditions

1. Admissibility Conditions described in section 5 of the call document. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document.
3. Other Eligible Conditions described in section 6 of the call document.
4. Financial and operational capacity and exclusion described in section 7 of the call document. Submission and evaluation processes: described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document
5. Legal and financial set-up of the grants described in section 10 of the call document. Call documents: Call document Application form IN PART A, UNDER OTHER QUESTIONS, SAVE FORM RIGHT AFTER SELECTING THE COUNTRY/IES FOR THE COUNTRY CODE/S TO BE DISPLAYED IN THE STRUCTURED PROPOSAL REFERENCE UNDER GENERAL INFORMATION. Detailed budget table Timetable / Gantt chart Environmental compliance file Letter of support (Member State agreement) TEN-E compliance form CEF MGA GIS User Guide Work Programme 2021-2027 (CEF-E) CEF Regulation 2021/1153 EU Financial Regulation 2024/2509 TEN-E Regulation (EU) 2022/869

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108576":[{"action":"CEF-E-2025-PCI-PMI-WORKS - CEF-INFRA CEF Infrastructure Projects","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"600000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}],{"action":"CEF-E-2025-PCI-PMI-STUDIES - CEF-PJG CEF Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"600000000"},"plannedOpeningDate":"2025-04-03","deadlineModel":"single-stage","deadlineDates":["2025-09-16"]}]}}
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Electricity, Gas, Smart Grids, Hydrogen and CO₂ networks - Works

General Info

Topic ID : CEF-E-2025-PCI-PMI-WORKS

Summary : Electricity, Gas, Smart Grids, Hydrogen and CO₂ networks - Works **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CEF-E-2025-PCI-PMI-WORKS>

Description

Expected Impact: As indicated in section 1 the Multi-annual Work Programme, it is expected that the financial assistance contributes to the further development and implementation of PCIs and PMIs helping to achieve the broader TEN-E policy objectives and the CEF energy policy objectives of: further integration of an efficient and competitive internal energy market, interoperability of networks across borders and sectors, facilitating decarbonisation of the economy, promoting energy efficiency and ensuring security of supply. In accordance with Recital 5 of the CEF Regulation (EU) 2021/1153 and in line with the Multi-annual Work Programme, this call for proposals aims at financing projects contributing to the goals and objectives of the European Green Deal, as well as the Paris Agreement and the 2030 climate and energy targets and the EU's mid-term and long-term objectives in terms of decarbonisation. Expected Outcome: This

topic aims to enable PCIs and PMIs to be implemented within the framework of the deployment of trans-European networks in the energy sector. In particular, the call shall contribute to supporting energy infrastructure PCIs and PMIs that have significant socio-economic benefits and ensure greater solidarity among Member States, but which do not receive adequate financing from the market. Projects supported by this call pursue the goals and objectives of the European Green Deal, as well as the Paris Agreement and the 2030 climate and energy targets and long-term decarbonisation objectives. Therefore, financial assistance provided under this call for proposals should maximise its added value towards decarbonisation of the energy sector. The EU Grid Action Plan underlines the critical importance of electricity grids in the energy transition.

Objective: The objective of this topic is to support and contribute to the implementation of PCIs and PMIs.

Scope: This topic refers to projects for works contributing to the implementation of a PCI or a PMI. Works in the meaning of CEF-Energy include the purchase, supply and deployment of components, systems and services including software, the development, construction and installation activities relating to the eligible infrastructure items of a given PCI or PMI, the acceptance of installations and the launching of a project. In particular, specific provisions apply in relation to, inter alia, the existence of significant positive externalities, a cross-border cost allocation decision, and the project's inability to be financed by the market or through the regulatory framework. Specific co-funding rates may also apply according to the level of demonstrated positive externalities of the action. Only projects contributing to PCIs and PMIs as identified in the in the First Union list of PCIs and PMIs shall be eligible for support through EU financial aid in the form of grants. Pursuant to Article 18(2) and (3) of the TEN-E Regulation, PCIs/PMIs falling under the categories set out in Article 24 (derogation for gas interconnections in Cyprus and Malta) and in Annex II, point (1)(a), (b), (c), (d) and (f) (electricity projects, except smart electricity grids and electricity storage projects that are not regulated) and point (3) (hydrogen projects), are also eligible for Union financial assistance in the form of grants for works if they fulfil all of the following criteria: the project specific cost-benefit analysis drawn up pursuant to Article 16(4), point (a), of the TEN-E Regulation provides evidence concerning the existence of significant positive externalities, such as security of supply, system flexibility, solidarity or innovation; the project has received a cross-border cost allocation decision pursuant to Article 16 of the TEN-E Regulation or, as regards projects of common interest falling under the energy infrastructure category set out in point (3) of Annex II (hydrogen projects), where they do not fall under the competence of national regulatory authorities and therefore they do not receive a cross-border cost allocation decision, the project aims to provide services across borders, brings technological innovation and ensures the safety of cross-border grid operation; the project cannot be financed by the market or through the regulatory framework in accordance with the business plan and other assessments, in particular those carried out by possible investors, creditors or the national regulatory authority, taking into account any decision on incentives and reasons referred to in Article 17(2) of the TEN-E Regulation when assessing the project's need for Union financial assistance. Pursuant to Article 18(4) of the TEN-E Regulation, PCIs/PMIs falling under the energy infrastructure categories set out in Annex II, point (1)(e) (smart electricity grids) and points (2) (smart gas grids) and (5) (carbon dioxide projects), are also eligible for Union financial assistance in the form of grants for works, where the concerned project promoters, in an evaluation carried out by the relevant national authority or, where applicable, the national regulatory authority, can clearly demonstrate significant positive externalities generated by the projects, such as security of supply, system flexibility, solidarity or innovation, and provide clear evidence of their lack of commercial viability, in accordance with the cost-benefit analysis, the business plan and assessments carried out, in particular by possible investors or creditors or, where applicable, a national regulatory authority. Electricity storage projects that are not regulated need to meet, by analogy, the requirements of Article 18(4), as it should not be possible for them to request a CBCA decision. For projects of common interest falling under Article 24 of the TEN-E Regulation (Cyprus and Malta derogation), in addition to the specific criteria set out in Article 19 for Union financial assistance, the interconnections referred in paragraph 1 of the Article shall be designed in view of ensuring access to future energy markets, including hydrogen, shall not lead to a prolongation of the lifetime of natural gas assets and shall ensure the interoperability of neighbouring networks across borders. Any eligibility for Union financial assistance under Article 18 shall end on 31 December 2027. Any request for Union financial assistance for works shall clearly demonstrate the aim to convert the asset into a dedicated hydrogen asset by 2036 if market conditions allow, by means of a roadmap with a precise timeline. The derogation set out in paragraph 1 of the Article shall apply until Cyprus or Malta, respectively, is directly interconnected to the trans-European gas network or until 31 December 2029, whichever is the earlier. The contents of the supporting documents and whether the proposed project demonstrates evidence concerning the existence of significant positive externalities, namely security of supply, solidarity, system flexibility, or innovation; provides services across borders, brings technological innovation and ensures the safety of cross-border grid operation, or is commercially not viable, will be assessed during the evaluation under the applicable award criteria. The proposals requesting grants for works which fail to provide the relevant supporting documents or that provide supporting documents that are not legally valid at the time of their submission or which fail to comply with any of the eligibility criteria indicated above may not be eligible.

Conditions

Conditions

- 1. Admissibility Conditions described in section 5 of the call document. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in section 6 of the call document.
- 3. Other Eligible Conditions described in section 6 of the call document.
- 4. Financial and operational capacity and exclusion described in section 7 of the call document. Submission and evaluation processes: described section 8 of the call document and the Online Manual Award criteria, scoring and thresholds: described in section 9 of the call document Indicative timeline for evaluation and grant agreement: described in section 4 of the call document
- 5. Legal and financial set-up of the grants described in section 10 of the call document. Call documents: Call document Application form IN PART A, UNDER OTHER QUESTIONS, SAVE FORM RIGHT AFTER SELECTING THE COUNTRY/IES FOR THE COUNTRY CODE/S TO BE DISPLAYED IN THE STRUCTURED PROPOSAL REFERENCE UNDER GENERAL INFORMATION. Detailed budget table Timetable / Gantt chart Environmental compliance file Letter of support (Member State agreement) TEN-E compliance form CEF MGA GIS User Guide Work Programme 2021-2027 (CEF-E) CEF Regulation 2021/1153 EU Financial Regulation 2024/2509 TEN-E Regulation (EU) 2022/869

Budget Overview

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Promotion of excellence in conference interpreter training, cooperation among universities training conference interpreters and research into technical developments in the area of conference interpreting. Other projects.

General Info

Topic ID : EP-LINC-SUBV-2025-CONF-INT-02

Summary : Promotion of excellence in conference interpreter training, cooperation among universities training conference interpreters and research into technical developments in the area of conference interpreting. Other projects.
Status : Open

Deadline model : single-stage **Deadline :** 2025-05-07T00:00:00.000+0200 **Start Date :** 2025-03-06T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EP-LINC-SUBV-2025-CONF-INT-02>

Description

Expected Outcome: To ensure the availability of a sufficient number of qualified conference interpreters, Directorate-General for Logistics and Interpretation for Conferences supports and assists in strengthening training programmes by providing professional and financial assistance. The aim of these activities is to help produce new generations of qualified conference interpreters who may, subsequently, be recruited by the EU institutions, and in particular by the European Parliament, as officials or as accredited conference interpreting agents. **Objective:** As a provider of

interpretation services in the European Parliament, and increasingly to other EU institutions and bodies, the mission of the Directorate-General for Logistics and Interpretation for Conferences is to ensure that a sufficient number of qualified conference interpreters are available to enable the EU institutions and bodies to function properly in a context of linguistic diversity including at regular events, all over the world, where wide language cover is required. Under the principle of subsidiarity, Member States have the obligation to provide the necessary training. The European Parliament identifies the language combinations and skills that best match its needs, and assists universities in training high quality conference interpreters within these priority combinations. The programme contributes to this mission by supporting the following action in the field of interpretation: Integration of modern information and communication technologies in the training of conference interpreters. Scope: Higher Education Institutions, Universities, university institutes, consortia and associations of universities or institutes, which offer or coordinate postgraduate courses specialising in conference interpreting. Associations, consortia and bodies, whose main mission is to support cooperation and disseminate best practices in the field of worldwide conference interpreter training.

Conditions

Conditions

1. Admissibility conditions: described in section 4 and 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible countries described in section 5 of the call document .
3. Other Eligible conditions described in section 5 of the call document .
4. Financial and operational capacity and exclusion described in section 6 and 7 of the call document .
 - Submission and evaluation processes described sections 4, 8 and 9 of the call document and the Online Manual .
 - Award criteria, scoring and thresholds described in section 8 and 9 of the call document .
 - Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
6. Legal and financial set-up of the grants described in sections 10 tp 15 of the call document . Call documents: Call document Standard application form
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Annex III - Detailed budget table
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Additional documents: European Parliament's DG LINC Grants - Work Programme 2025 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Grant Agreement - Draft template Funding & Tenders Portal Online Manual Annex II General Conditions Annex III Detailed Budget Annex IV A Financial Implementation report Annex IV B Financial statement and invoices Staff costs hourly rate calculation Financial identification form Guide financial identification form Guide for applicants Model time sheet Questions and Answers form previous calls Grants awarded 2024 Privacy Statement Language priorities [LINK TO WEBINAR](#)
 - Info Session about this Call for proposals for Universities Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Organisation of high quality master or porst graduate courses or bachelor courses by Ukrainian universities

with conference interpreting components

General Info

Topic ID : EP-LINC-SUBV-2025-CONF-INT-03

Summary : Organisation of high quality master or post graduate courses or bachelor courses by Ukrainian universities with conference interpreting components **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-07T00:00:00.000+0200 **Start Date** : 2025-03-06T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EP-LINC-SUBV-2025-CONF-INT-03>

Description

Expected Outcome: To ensure the availability of a sufficient number of qualified conference interpreters having Ukrainian as "A" language, Directorate-General for Logistics and Interpretation for Conferences supports and assists in strengthening training programmes by providing professional and financial assistance. The aim of these activities is to help produce new generations of qualified conference interpreters having Ukrainian as "A" language who may, subsequently, be recruited by the EU institutions, and in particular by the European Parliament, as officials or as accredited conference interpreting agents. **Objective:** As a provider of interpretation services in the European Parliament, and increasingly to other EU institutions and bodies, the mission of the Directorate-General for Logistics and Interpretation for Conferences is to ensure that a sufficient number of qualified conference interpreters having Ukrainian as "A" language are available to enable the EU institutions and bodies to function properly in a context of linguistic diversity including at regular events, all over the world, where wide language cover is required. Under the principle of subsidiarity, Member States have the obligation to provide the necessary training. The European Parliament identifies the language combinations and skills that best match its needs, and assists universities in training high quality conference interpreters within these priority combinations. The programme contributes to this mission by supporting the following actions in the field of interpretation: The promotion of quality and linguistic diversity in the teaching of conference interpreting in the official languages of the EU, of the candidate countries, and of the countries which are the main political partners of the Union; The establishment of postgraduate centres of excellence; Cooperation among postgraduate courses from different European, candidate and third countries offering relevant language combinations; Regional cooperation among universities with complementary language regimes; **Scope:** Higher Education Institutions, Universities, university institutes, consortia and associations of universities or institutes - which offer or coordinate master, postgraduate courses or bachelor courses with conference interpreting components registered in Ukraine.

Conditions

Conditions

1. Admissibility conditions: described in section 4 and 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible countries described in section 5 of the call document .
3. Other eligibility conditions described in section 5 of the call document .
4. Financial and operational capacity and exclusion described in section 6 and 7 of the call document .
 - Submission and evaluation processes described section 4, 8 and 9 of the call document and the Online Manual .
 - Award criteria, scoring and thresholds described in section 8 and 9 of the call document .
 - Indicative timeline for evaluation and grant agreement described in section 3 of the call document .
6. Legal and financial set-up of the grants described in sections 10 to 15 of the call document . Call documents: Call document Standard application form
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Annex III - Detailed budget table
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Additional documents: European Parliament's DG LINC Grants - Work Programme 2025 EU

Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Grant Agreement - Draft template Funding & Tenders Portal Online Manual Annex II General Conditions Annex III Detailed Budget Annex IV A Financial Implementation report Annex IV B Financial statement and invoices Staff costs hourly rate calculation Financial identification form Guide financial identification form Guide for applicants Model time sheet Questions and Answers form previous calls Grants awarded 2024 Privacy Statement Language priorities [LINK TO WEBINAR](#)

- Info Session about this Call for proposals for Universities Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Organisation of high quality master or post graduate courses in conference interpreting

General Info

Topic ID : EP-LINC-SUBV-2025-CONF-INT-01

Summary : Organisation of high quality master or post graduate courses in conference interpreting **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-07T00:00:00.000+0200 **Start Date :** 2025-03-06T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EP-LINC-SUBV-2025-CONF-INT-01>

Description

Expected Outcome: To ensure the availability of a sufficient number of qualified conference interpreters, Directorate-General for Logistics and Interpretation for Conferences supports and assists in strengthening training programmes by providing professional and financial assistance. The aim of these activities is to help produce new generations of qualified conference interpreters who may, subsequently, be recruited by the EU institutions, and in particular by the European Parliament, as officials or as accredited conference interpreting agents. Objective: As a provider of interpretation services in the European Parliament, and increasingly to other EU institutions and bodies, the mission of the Directorate-General for Logistics and Interpretation for Conferences is to ensure that a sufficient number of qualified conference interpreters are available to enable the EU institutions and bodies to function properly in a context of linguistic diversity including at regular events, all over the world, where wide language cover is required. Under the principle of subsidiarity, Member States have the obligation to provide the necessary training. The European Parliament identifies the language combinations and skills that best match its needs, and assists universities in training high quality conference interpreters within these priority combinations. The programme contributes to this mission by supporting the following actions in the field of interpretation: The promotion of quality and linguistic diversity in the teaching of conference interpreting in the official languages of the EU, of the candidate countries, and of the countries which are the main political partners of the Union; The establishment of postgraduate centres of excellence; Cooperation among postgraduate courses from different European, candidate and third countries offering relevant language combinations; Regional cooperation among universities with complementary language regimes; Scope: Higher Education Institutions, Universities, university institutes, consortia and associations of universities or institutes, which offer or coordinate postgraduate courses specialising in conference interpreting. Associations, consortia and bodies, whose main mission is

to support cooperation and disseminate best practices in the field of worldwide conference interpreter training.

Conditions

Conditions

1. Admissibility conditions: described in section 4 and 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 5 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 6 and 7 of the call document .
 - Submission and evaluation processes described section 4, 8 and 9 of the call document and the Online Manual .
 - Award criteria, scoring and thresholds described in section 8 and 9 of the call document .
 - Indicative timeline for evaluation and grant agreement described in section 3 of the call document .
6. Legal and financial set-up of the grants described in sections 10 to 15 of the call document . Call documents: Call document Standard application form
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Annex III - Detailed budget table
 - This document is just for information. Please scroll down and click on "Start Submission" to start filling in the application form. Additional documents: European Parliament's DG LINC Grants - Work Programme 2025 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Grant Agreement - Draft template Funding & Tenders Portal Online Manual Annex II General Conditions Annex III Detailed Budget Annex IV A Financial Implementation report Annex IV B Financial statement and invoices Staff costs hourly rate calculation Financial identification form Guide financial identification form Guide for applicants Model time sheet Questions and Answers form previous calls Grants awarded 2024 Privacy Statement Language priorities LINK TO WEBINAR
 - Info Session about this Call for proposals for Universities Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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EURES Cross-border partnerships and EURES cross-border initiatives

General Info

Topic ID : ESF-2025-EURES-CBC

Summary : EURES Cross-border partnerships and EURES cross-border initiatives **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-06T00:00:00.000+0200 **Start Date** : 2025-02-20T00:00:00.000+0100

Description

Expected Outcome: Topic 1: ESF-2025-EURES-CBC-ECP — EURES Cross-border partnerships This topic tackles fair mobility for workers in cross-border regions, in particular through EURES cross-border partnerships offering comprehensive EURES services including matching, placing and recruitment services, well as to support the implementation of the EURES Regulation. Topic 2 : ESF-2025-EURES-CBC-CBI — EURES Cross-border initiatives This topic is designed to facilitate cross-border labour mobility in border regions, including those with a common sea border, which do not yet benefit from cooperation structures of regional labour market players, and to foster the development of a better integrated and more dynamic regional labour market across borders **Objective:** The ultimate goal for both topics of this call is to provide focused and essential, respectively enhanced, support to cross-border workers and employers and to facilitate, wherever possible, the job matching, placement and recruitment process on a fair basis.

Conditions

Conditions

- 1. Admissibility Conditions:** Proposal page limit and layout Full details in the call document. Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain:
 - Application Form (Part A)
 - Application Form (Part B)
 - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH). Applications must be readable, accessible and printable, not exceeding 70 pages.
- 2. Eligible Countries** See in the call document. • EU Member States (and their overseas countries and territories); • EEA countries, in accordance with the EEA Agreement; • EU acceding countries, candidate countries and potential candidate countries, in line with the agreements concluded with them. • Third countries having signed an agreement to participate in the strand or a third country listed in the EaSI work programme if necessary for the achievement of the objectives of an action. Do note that for certain calls only EU Member States and EEA countries are eligible.
- 3. Other Eligible Conditions** See in the call document for full explication per topics.
- 4. Financial and operational capacity and exclusion** See details in the call Document. 5a. Evaluation and award: Submission and evaluation processes See details in the call Document. 5b. Evaluation and award: Award criteria, scoring and thresholds See details in the call documents. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement As described in the call document: Call opening: 20 February 2025 Deadline for submission: 06 May 2025 – 17:00:00 CET (Brussels) Evaluation: May-July 2025 Information on evaluation results: 15 September 2025 GA signature: October 2025/January 2026
- 5. Legal and financial set-up of the grants** Call document and annexes: Call document: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/esf/wp-call/2025/call-fiche_esf-2025-eures-cbc_en.pdf Application form templates Standard application form (ESF and SOCPL) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) ESF and SOCPL MGA Additional documents: ESF+ Annual Work Programme ESF+ Regulation 2021/1057 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Annual operating grants to support EU-level Social NGO Networks

General Info

Topic ID : ESF-2025-OG-NETW-NGO-SGA

Summary : Annual operating grants to support EU-level Social NGO Networks **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-15T00:00:00.000+0200 **Start Date** : 2025-02-05T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ESF-2025-OG-NETW-NGO-SGA>

Description

Expected Outcome: It will thereby contribute to the implementation of the European Pillar of Social Rights and its Action Plan, ensuring just transitions, protecting livelihoods, boosting employment, reducing poverty and inequalities and creating opportunities for all. They particularly focus on principles aiming at ensuring access to adequate social protection throughout the life cycle and tackling barriers to social inclusion of certain particularly disadvantaged groups such as the inclusion of people with disabilities and housing and assistance for the homeless. **Scope:** The expected results are: (a) improved awareness about EU policies and funding among the network's members; (b) increased awareness of EU and national authorities about the needs and potential of organisations represented by the networks; (c) increased capacity of the networks and their members to support policy making in their respective areas; and (d) enhanced research and availability of data about the fields in which the networks operate.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout Described in the call document . Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain: - Application Form (Part A) - Application Form (Part B) - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH). Applications must be readable, accessible and printable, not exceeding 40 pages.
2. **Eligible Countries** Described in the call document . • EU Member States (and their overseas countries and territories); • EEA countries, in accordance with the EEA Agreement; • EU acceding countries, candidate countries and potential candidate countries, in line with the agreements concluded with them. • Third countries having signed an agreement to participate in the strand or a third country listed in the EaSI work programme if necessary for the achievement of the objectives of an action. Do note that for certain calls only EU Member States and EEA countries are eligible.
3. **Other Eligible Conditions** Described in the call document .
4. **Financial and operational capacity and exclusion** Described in the call document . 5a. Evaluation and award: Submission and evaluation processes Described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds The award criteria for this call are as follows (for additional information, see the call document):

Award criteria	Minimum pass score	Maximum score
Relevance	25	40
Quality — Project design and implementation	15	30
Quality — Project team and cooperation arrangements	5	10
Impact	10	20
Overall (pass) scores	70	100

5c. Evaluation and award: Indicative timeline for evaluation and grant agreement As described in the call document: Call opening: 5 February 2025 Deadline for submission: 15 April 2025 – 17:00:00 CET Evaluation:

April - June 2025 Information on evaluation results: July 2025

5. Legal and financial set-up of the grants Described in the call document . n/a Call document and annexes: Call document: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/esf/wp-call/2025/call-fiche_esf-2025-og-netw-ngo-sga_en.pdf Application form templates Standard application form (ESF and SOCPL OG) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) Operating Grants MGA Additional documents: ESF+ Annual Work Programme ESF+ Regulation 2021/1057 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support EU networks active in the areas of social economy and social finance (3-year action grants)

General Info

Topic ID : ESF-2025-AG-NETW-MF-SE

Summary : Support EU networks active in the areas of social economy and social finance (3-year action grants) **Status :** Open

Deadline model : single-stage **Deadline :** 2025-06-19T00:00:00.000+0200 **Start Date :** 2025-03-06T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ESF-2025-AG-NETW-MF-SE>

Description

Expected Outcome: The expected results are: (a) Increased dissemination of EU policies and initiatives in the area of the call and improved EU outreach activities at national and local level; (b) Improved capacity and awareness about EU policies and funding opportunities among the members of the networks and their beneficiaries; (c) Increased awareness about the potential of social economy, social enterprises and microenterprises, their needs and challenges at EU, national and local levels; (d) improved availability of research and data about the fields in which the beneficiaries operate. Scope: This call aims to support the development of social economy and social finance in Europe. The action grants will contribute to building up the institutional capacity of stakeholders, delivering support to social economy actors (e.g. cooperatives, social enterprises), as well as those supporting the development of social finance (i.e. microfinance, social enterprise finance and social impact investing) in Europe. The beneficiaries under this call are expected to: (a) support the Commission in its outreach activities at national and local levels, with the aim of ensuring awareness, contribution to and implementation of EU level policies and initiatives in the areas of the call, (b) increase the beneficiaries and their members' capacity to contribute to policy design at EU, national and local levels, and (c) provide expertise and data as regards the potential, needs, barriers and opportunities faced by organisations active in the areas of the call. Social economy entities, social enterprises and microenterprises are instrumental in the implementation of many of the European Pillar of Social Rights principles. In particular they play a key role in delivering the following principles: 01. Education, training and life-long learning, 02. Gender equality, 03. Equal opportunities, 04. Active support to employment, 05. Secure and adaptable employment, 09. Work-life balance, 11. Childcare and support to children, 17. Inclusion of people with disabilities, 18. Long-term care and 20. Access to essential services. To support the developments in this field, the Commission cooperates with EU level networks in its analytical and outreach activities at EU, national and local level.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Further details in the Call document. Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain:
 - Application Form (Part A)
 - Application Form (Part B) - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH). Applications must be readable, accessible and printable, not exceeding 40 pages.
2. Eligible Countries Described in the Call document. • EU Member States (and their overseas countries and territories); • EEA countries, in accordance with the EEA Agreement; • EU acceding countries, candidate countries and potential candidate countries, in line with the agreements concluded with them. • Third countries having signed an agreement to participate in the strand or a third country listed in the EaSI work programme if necessary for the achievement of the objectives of an action.
3. Other Eligible Conditions Described in the Call document.
4. Financial and operational capacity and exclusion Described in the Call document. 5a. Evaluation and award: Submission and evaluation processes Described in the Call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Described in the Call document. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in the Call document.
5. Legal and financial set-up of the grants Described in the Call document. Call document and annexes: Call document: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/esf/wp-call/2025/call-fiche_esf-2025-ag-netw-mf-se_en.pdf Application form templates: Standard application form (ESF and SOCPL) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA): ESF and SOCPL MGA Additional documents: ESF+ Annual Work Programme ESF+ Regulation 2021/1057 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Topic 6: Digital education: Assessment of digital skills and competences

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-SC

Summary : Topic 6: Digital education: Assessment of digital skills and competences Status : Open

Deadline model : single-stage Deadline : 2025-05-27T00:00:00.000+0200 Start Date : 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-SC>

Description

Scope: Projects under this topic will focus on the assessment of individual students’ digital skills at primary and/or secondary level including VET, the end of the secondary education cycle and explore the feasibility of assessment practices that are explicit about the level of digital skills in a variety of contexts (e.g. if digital skills are developed through a specific subject or in a transversal way). These projects will allow to identifying factors and criteria which are necessary for developing a comprehensive and robust assessment methodology for digital skills, thus supporting the creation of a progression model to assess digital skills.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: Page limit for the Part B Technical Description of the Application Form is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document.
4. Financial and operational capacity and exclusion described in the call document. 5a. Evaluation and award: Submission and evaluation processes described in the call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 18/12/2024 Deadline for submitting applications: 27 May 2025, 17:00 (Brussels time). Evaluation period: June- September 2025. Information to applicants: November 2025. Signature of grant agreement: February 2026.
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide , specifically Part C, Information for Applicants Model Grant Agreements (MGA) Lump Sum MGA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement How to manage your lump sum grants Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Civil Society Cooperation in the field of Youth - FPA (2026-2027)

General Info

Topic ID : ERASMUS-YOUTH-2025-CSC-OG-FPA

Summary : Civil Society Cooperation in the field of Youth - FPA (2026-2027) **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-15T00:00:00.000+0200 **Start Date** : 2025-02-20T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-YOUTH-2025-CSC-OG-FPA>

Description

Objective: The objective of the present call is to provide structural support, referred to as operating grants, to European non-governmental organisations (NGOs) and EU-wide networks active in the field of youth pursuing the following general aims/objectives: Raise awareness of the EU Youth Strategy including the European Youth Goals, through actions to engage, connect and empower youth; Promote and strengthen the EU Youth Dialogue in order to build young people's confidence in the EU project by addressing the democratic deficit, lack of transparency and visibility and to ensure meaningful youth involvement and dialogue at all stages of EU decision-making by improving existing participation mechanisms and creating new ones. This will build on the legacy of the European Year of Youth and its commitment to strengthen the EUYD as the main youth participation instrument in Europe. -Strengthen dialogue with civil society and citizens, particularly young people; Ensure young people have better access to reliable information, support their ability to evaluate information critically and engage in participatory and constructive dialogue; Strengthen young people's democratic participation and autonomy as well as provide dedicated youth spaces in all areas of society; Increase commitment and cooperation of youth civil society actors with public authorities for the implementation of policies in areas relevant for young people; Boost youth stakeholder participation, including by building upon the potential of digital communication alongside other forms of participation; Boost youth civil society involvement in the dissemination of policy and programme actions including results and good practices among their membership and beyond. The call also embraces the four general priorities of the EU Commission as embedded in the Erasmus+ and the European Solidarity Corps programmes namely – inclusion and diversity, - digital transformation, - environment and fight against climate change as well as participation in democratic life. Moreover, giving young people a voice on their future is a priority for the new Commission with new initiatives announced by the President such as the Youth Policy dialogues with Commissioners and the President's Youth Advisory Board. This is part of the Commission work in embedding youth participation, developing a true and lasting culture of participative democracy. These general objectives should be clearly embedded in the work plans, activities and deliverables of the applicant organisations.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout As described in the section 5 of the call document .
Proposal page limits and layout: described in Part B of the Application Form available in the Submission System and in section 5 of the call document
2. **Eligible Countries** As described in the section 6 of the call document .
3. **Other Eligible Conditions** As described in the section 6. Eligibility of the call document
4. **Financial and operational capacity and exclusion** As described in the section 7 of the call document . 5a.
Evaluation and award: Submission and evaluation processes As described in the section 8 of the call document .
5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document (see sections 7, 8 & 9). 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in the call document . Publication of the call: February, 20 2025.

Deadline for submitting applications: May, 15 2025 17:00 (Brussels time). Evaluation period: May - July 2025. Information to applicants: August 2025. Signature of grant agreement: September 2025.

5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS FPA OG) Guidance Call document Model Grant Agreements (MGA) Framework Partnership Agreement FPA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Call for 2-year framework partnership agreements to support Civil Society Cooperation in the field of Education and Training (2026-2027)

General Info

Topic ID : ERASMUS-EDU-2025-CSC-OG-FPA

Summary : Call for 2-year framework partnership agreements to support Civil Society Cooperation in the field of Education and Training (2026-2027) **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2025-03-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-CSC-OG-FPA>

Description

Scope: This call aims to set up 2-years' Framework Partnership Agreements with European Civil Society Organisations. Cooperation with high quality civil society organisations is relevant due to their broad contact with end users through their extensive networks at both European and national level. They have a dual role given their top-down multiplier effect and their bottom-up contribution to policy development. The cooperation will also promote policy transfer, learning and support on EU objectives and priorities (including equity, inclusion and diversity in line with the objectives of the Erasmus+ and European Solidarity Corps Inclusion and Diversity Strategy) among the relevant stakeholders in the participating countries. Such cooperation contributes to create a broad sense of ownership in relation to EU actions and policies relevant to people and to take into consideration ideas and concerns of civil society at all levels. It is vital for securing the active involvement of civil society stakeholders, for promoting their participation in the Erasmus+ Programme and other European Union programmes and for disseminating policy, programme results and good practice among stakeholders through their networks and beyond. Cooperation with civil society organisations in the field of education and training is important for raising awareness about and contributing to the achievement of the European Education Area and other European sector-specific policy agendas among Europe's citizens. Cooperation with civil society organisations is also instrumental in providing the Commission with analysis and advice on the main education and training priorities, as established under the European Education Area and the Digital Education Action Plan.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout As described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System and in the call document .
2. Eligible Countries As described in the call document .
3. Other Eligible Conditions As described in the call document .
4. Financial and operational capacity and exclusion As described in the call document . 5a. Evaluation and award: Submission and evaluation processes As described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds As described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement As described in the call document . Publication of the call: 18 March 2025. Deadline for submitting applications: 27 May 2025 17:00 (Brussels time). Evaluation period: June-July 2025. Information to applicants: August 2025. Signature of FPA: September/October 2025.
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS FPA OG) Guidance ERASMUS Programme Guide Model Grant Agreements (MGA) Framework Partnership Agreement FPA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Quality Label Humanitarian Aid - Full Procedure

General Info

Topic ID : ESC-HUMAID-2021-QUAL-LABEL-FP
Summary : Quality Label Humanitarian Aid - Full Procedure **Status :** Open

Deadline model : multiple cut-off **Deadline :** 2021-09-22T00:00:00.000+0200 **Start Date :** 2021-06-10T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ESC-HUMAID-2021-QUAL-LABEL-FP>

Description

Scope: Q UALITY L ABEL FOR HUMANITARIAN AID VOLUNTEERING W HAT IS THE Q UALITY L ABEL ? The Quality Label for Humanitarian Aid Volunteering certifies that an organisation is able to carry out high quality solidarity activities in compliance with the principles, objectives and requirements of the action ‘European Voluntary Humanitarian Aid Corps’. Obtaining this Quality Label is a precondition for participation only in volunteering activities in support of humanitarian aid operations. WHAT ARE THE DIFFERENT TYPES OF QUALITY LABEL? When applying for a Quality Label for Humanitarian Aid Volunteering, applicant organisations can choose one of the following roles: Support role

- entails supporting, preparing and/or training participants before departure, mediation between them and their host organisations and/or providing support to participants upon return from their activity. The support role also entitles the organisation to submit project applications and coordinate partnerships for Humanitarian Aid Volunteering projects; Host role
- covers the full range of activities related to hosting a Solidarity Corps participant, including the development of a programme of the young person's activities and providing guidance and support to the participant during all the phases as appropriate HOW DOES IT WORK? The Quality Label for Humanitarian Aid Volunteering is awarded following a selection process, involving three main stages: submission of application, assessment and award. The

applications for the Quality Label for Humanitarian Aid Volunteering can be submitted on a continuous basis (i.e. at any time) during the programming period, to the Executive Agency, which is the sole implementing body for this action. The applications will be evaluated at set intervals, according to an annual timetable, which is aligned to the timetable of the Humanitarian Aid Volunteering call for projects. Applications will be assessed against eligibility, selection, exclusion and award criteria (for more information on the selection and exclusion criteria, see Part E of this Guide). Successful organisations will be awarded the Quality Label for Humanitarian Aid Volunteering. The Executive Agency will award this Quality Label and monitor compliance and may carry out periodical reassessments. The Quality Label will be valid for the entire duration of the programming period and until the end of the last project in which the organisation is involved. In order to facilitate partner-finding and the setting up of project consortia, profiles of all organisations holding this Quality Label are published in a database of Quality Label organisations on the European Solidarity Corps Portal. To identify potential partners, partner searching tool on the Funding and Tender Opportunities Portal can be used. Once awarded a Quality Label, organisations gain access to the European Solidarity Corps Portal where they are invited to advertise activities. Organisations have to make use of the European Solidarity Corps Portal's database to search for potential partners and participants. Information in the database is published as it is formulated in the Quality Label application form.

APPLYING FOR A QUALITY LABEL ON BEHALF OF HOSTING ORGANISATION - THE SIMPLIFIED HOST PROCEDURE

An organisation established in a programme country that applies for support role may also apply for host role on behalf of its branches located in non programme countries with which it shares the same legal personality (simplified hosting procedure). This procedure is designed to help larger organisations, with several branches located in different countries. The applicant supporting organisation is accountable for the quality and safety of activities offered by simplified hosting organisation(s) on behalf of which it is applying.

WHAT ARE THE QUALITY STANDARDS?

The European Solidarity Corps guarantees high-quality volunteering activities, through the Quality Label process. Participating organisations must respect the following principles and standards:

- Equal opportunities and non-discrimination** . Volunteers are to be selected in a fair, transparent and objective way, regardless of their gender, ethnicity, religion, sexual orientation, political opinion or disability. No previous qualifications, educational level, specific experience or language knowledge must be required. A more specific profile of the volunteer might be drawn up if justified by the nature of the tasks of the activity or by the project context. In order to promote inclusion, participation in volunteering activities must be free of charge for the volunteer, with the exception of possible contributions to travel costs (if the grant does not fully cover these costs). The activities should respect the principles set out in Article 9 of the UN Convention on the Rights of Persons with Disabilities.
- Avoidance of job substitution** . Volunteering activities must not substitute traineeships or jobs, so that any adverse effect on potential or existing paid employment is avoided. The involvement of volunteers should complement the work of paid staff. They should not replace paid staff or undercut their pay and conditions of service.
- Avoidance of harmful activities** . Security and safety of the participants, participating organisations and target groups must be ensured. Such security and safety should include appropriate clearance requirements for participants working with vulnerable groups in accordance with applicable national law. Volunteering activities should be implemented with due consideration for the impact of unforeseen circumstances such as environmental crises, conflicts or pandemics. The activities should respect the principles set out in the EU Guidelines for the Promotion and Protection of the Rights of the Child (https://ec.europa.eu/anti-trafficking/sites/antitrafficking/files/eu_guidelines_rights_of_child_0.pdf)

Provision of high quality, easily accessible and inclusive activities . The volunteering tasks should enable participants to develop skills and competencies for personal, social and civic development. Particular attention will be given to the capacity of hosting organisations in third countries and the need to embed the activities of volunteers within the local context and to facilitate volunteers' interaction with local humanitarian actors, the hosting community and civil society. The value and benefits of European Solidarity Corps volunteering should be recognised for volunteers, through validation of learning outcomes. Adequate training, working and volunteering arrangements . Safe and decent living and working conditions must be ensured for participants. The young people and the organisations must sign a volunteering agreement that will outline the rights and responsibilities of both parties and will include a well-defined set of volunteering tasks. "no profit" . In accordance with the Financial Regulation, beneficiaries must not derive any profit from the activities funded by the grants awarded. Furthermore, volunteering should cover the participants' expenditure arising from participation in such solidarity activities but should not provide them with salaries or an economic benefit.

TASKS AND RESPONSIBILITIES OF ORGANISATIONS HOLDING A QUALITY LABEL FOR HUMANITARIAN AID VOLUNTEERING

In addition to complying with the above-mentioned principles, organisations implementing humanitarian aid volunteering projects must carry out specific tasks and responsibilities in order to ensure high quality activities. When applying for a Quality Label, organisations must be able to demonstrate their capacity to perform the tasks and take up responsibilities relevant to the role they are applying for, as outlined in the requirements below. This list is not comprehensive and, in some cases, the set of tasks and responsibilities may overlap between host and support organisations, without prejudice to the overall quality of the activity.

ORGANISATIONS APPLYING FOR A SUPPORT ROLE

Management Ensure compliance with the European Solidarity Corps Regulation, in particular the articles and the recitals which concern the Humanitarian Aid strand Ensure effective coordination in cooperation with all other participating organisations; Prepare risk assessment/security procedures/evacuation plan; Carry out monitoring, reporting and

evaluation in compliance with programme procedures Carry out dissemination and information activities. Before the activity Ensure selection procedure in line with the principles for transparency and equal treatment; Select volunteers from the relevant pool of trained candidates; Ensure that the volunteer signs a volunteering agreement which includes at least the following provisions:

- Volunteer's role, title, duration and location of placement, and tasks to be performed;
- Duration of the contract, including start and end date;
- Performance management;
- Working conditions, including working hours and leave;
- Financial rights and obligations;
- Practical arrangements: medical checks; visa and work permits, relevant clearance requirements;
- Specific induction for participants working with children and vulnerable groups in accordance with applicable national law
- Expected conduct from the volunteer;
- Disciplinary policy and termination of volunteer status;
- Mediation mechanism;
- Responsibilities and policies applicable to security management and health and safety;
- Learning and development: training and induction, debriefing. Ensure that the volunteer receives support in carrying out language preparation (if applicable, support to carry out the online language course and assessment provided by the Commission); Identify learning needs and set learning objectives; Provide adequate preparation for the volunteers before departure, according to the individual needs and tailored to the specificities of the project, the activity and the host country and in line with the Training and Evaluation Cycle; Ensure that volunteers meet relevant clearance requirements, and undergo specific preparation, particularly for participants working with vulnerable groups in accordance with applicable national law; Ensure the participation of the volunteers in the pre-departure training session including security briefing; Ensure that the volunteers has pre-deployment medical assessment; Ensure that the volunteer is covered by the obligatory Insurance plan foreseen by the Corps; Ensure that the volunteer has all necessary visas and work permits; Ensure that the volunteer receives the European Solidarity Corps Info Kit; Make or facilitate travel arrangements to/from the country of deployment; Take necessary measures to ensure the security and safety of the participants; Designate support contact for the volunteer and stay in touch with the volunteer and the host organisation throughout the activity; To support the settlement and the transition of the volunteer; To provide necessary additional support to the volunteer and the hosting organisation; Ensure that the volunteer understands the terms and conditions of the insurance scheme; Provide support to the volunteers to reflect on the learning process and to identify and document their learning outcomes, through EU validation tools, in particular Youthpass, Europass or national tools. During the activity Coordinate with the hosting organisations to ensure that the project is progressing as planned; To take part in the mid-term evaluation and final reviews; To provide mediation support in case of disagreement between the HO and the volunteer After the activity Provide medical and psychological examination of volunteers; Provide support to help reintegration of the volunteer into the home community; Provide the volunteer with the opportunity to exchange and share experiences and learning outcomes; Encourage the involvement of the volunteer in dissemination and exploitation of results; Provide guidance regarding further education, training or employment opportunities; Ensure the participation of the volunteer in the annual European Solidarity Corps event.

ORGANISATIONS APPLYING FOR A HOST ROLE Management Ensure compliance to the European Solidarity Corps Regulation, in particular the articles and the recital which concern the Humanitarian Aid strand. Before the activity Co-operate, as necessary, with the support organisation (coordinator) in preparing the activity and, in particular, the volunteers for their volunteering activities. During the activity Learning, mentoring and support Ensure that the volunteer attends on-arrival training , including security briefing; Ensure organisation of mid-term evaluation; Ensure that the volunteer attends the full Training and Evaluation Cycle (if applicable); Offer to the volunteer the opportunity to carry out a well-defined set of tasks, allowing some of the volunteer's ideas, creativity and experience to be integrated; Identify clear learning opportunities for and with the volunteer; Provide task related support, supervision and guidance to the volunteer through experienced staff; Provide support to the volunteers in their learning process; Support the volunteers undertaking language courses, if necessary; Identify a mentor who is responsible for providing to the volunteers:

- support to carry out self-reflection on the learning
- personal support Volunteering living and working conditions Support the volunteers' visa and work permit applications Ensure safety and security of participants in accordance with the approved procedures/evacuation plan; Provide adequate living and working conditions to the volunteer; Facilitate integration of volunteers in the local community and interaction with expatriate community; Ensure conflict prevention, mediation and well-being, including psychological support where necessary; Ensure that means of local transport are available for the volunteer; Ensure access to means of communication for contact with participating organisations and relatives; Provide due allowances to the volunteer. After the activity Provide final performance review and debrief to the volunteer; Follow up and evaluation of the action with the support organisation immediately after the voluntary activity is completed; Contribute to impact and dissemination of result phases and support the final evaluation of the project. **WHAT ARE THE CRITERIA USED TO ASSESS THE QUALITY LABEL? ELIGIBILITY**

CRITERIA Eligible organisations Quality Label for support role

- any organisation legally established in a programme country. Quality Label for host role
 - any organisation legally established in a non programme country An organisation established in a programme country that applies for support role may also apply for host role on behalf of its branches with which it shares the same legal personality. Groups of young people are not eligible. Duration The whole duration of the programming period, 2021 – 2027, subject to periodical reassessments which may be carried out by the EACEA When to apply? Applications can be submitted on a continuous basis. Organisations willing to take part in Humanitarian Aid Volunteering projects under the 2022 call must submit their application for Quality Label by 22 September 2021 at 17:00 (Brussels time). Where to apply? To the Education and Culture Executive Agency via Funding & tenders (europa.eu) Call ID: ESC-HUMAID-2021-QUAL-LABEL Topic ID : ESC-HUMAID-2021-QUAL-LABEL-FP Other Criteria A declaration of honour signed by the legal representative must be annexed to the application form.
- AWARD CRITERIA** The awarding of a Quality Label is subject to an assessment of the capacity of the organisation to ensure the relevant tasks and responsibilities, which are mentioned above. The following award criteria will be used to assess applications.
- ORGANISATIONS APPLYING FOR A SUPPORT ROLE**
- Relevance** The extent to which: the organisation's motives for participation in the European Solidarity Corps are convincing and clearly explained the organisation's objectives address issues relevant for the objectives of the European Solidarity Corps the organisation's activities and its experience relevant for the humanitarian aid field and have a strong solidarity dimension the organisation demonstrates commitment to the humanitarian principles of humanity, neutrality, impartiality and independence, as well as with the 'do no harm' principle
- Quality of measures** The extent to which the organisation respects the programme quality standards by: carrying out activities that respond to humanitarian aid needs and provide tangible benefits to target groups and local communities ensuring that security, health and safety of participants are guaranteed and any risks concerning the proposed accommodation and work placement are properly tackled taking necessary measures to respect the avoidance of harmful activities principle ensuring adequate practical and logistical arrangements ensuring adequate mentoring support for participants ensuring adequate personal support for participants, including conflict prevention and mitigation measures and psychological support taking adequate measures to ensure appropriate living and working conditions for the volunteers avoiding job substitution, routine tasks and tasks with low learning impact promoting environmental sustainability and responsibility and incorporating sustainable and environmental-friendly practices in activities making use of digital tools and methods to complement and improve activities
- Organisational Capacity** The extent to which: the organisation has demonstrated the ability, capacity and commitment to allocate appropriate resources to manage the European Solidarity Corps activities in accordance with applicable quality standards, in particular the safety and security standards for the Humanitarian Aid Volunteering the organisation has proposed appropriate steps to ensure continuity of activities in case of organisational changes the organisation demonstrates a good approach towards working with partners the measures for assuring the sustainability of the planned activities are of appropriate high quality the organisation ensures quality project management, including proper communication and coordination measures with other support or host organisations the measures aimed at disseminating the outcomes of the activities within and outside the participating organisations are appropriate and of high quality the measures for monitoring and evaluating the activities are appropriate and of high quality.
- ORGANISATIONS APPLYING FOR A HOST ROLE**
- Relevance** The extent to which: the organisation's motives for participation in the European Solidarity Corps are convincing and clearly explained the organisation's objectives address issues relevant for the objectives of the European Solidarity Corps the organisation's activities and its experience relevant for the humanitarian aid field and have a strong solidarity dimension the organisation demonstrates commitment to the humanitarian principles of humanity, neutrality, impartiality and independence, as well as with the 'do no harm' principle
- Quality of measures** The extent to which the organisation respects the programme quality standards by: carrying out activities that respond to humanitarian aid needs and provide tangible benefits to target groups and local communities ensuring that security, health and safety of participants are guaranteed and any risks concerning the proposed accommodation and work placement are properly tackled taking necessary measures to respect the avoidance of harmful activities principle ensure adequate mentoring support for participants ensuring adequate practical and logistical arrangements ensuring adequate mentoring support for participants during the activity ensuring adequate personal support for participants, including conflict prevention and mitigation measures and psychological support taking adequate measures to ensure appropriate living and working conditions for the volunteers avoiding job substitution, routine tasks and tasks with low learning impact promoting environmental sustainability and responsibility and incorporating sustainable and environmental-friendly practices in activities making use of digital tools and methods to complement and improve activities
- Organisational capacity** The extent to which: the organisation has demonstrated the ability, capacity and commitment to allocate appropriate resources to manage the European Solidarity Corps activities in accordance with applicable quality standards, in particular the safety and security standards for the Humanitarian Aid Volunteering the organisation has proposed appropriate steps to ensure continuity of activities in case of organisational changes the organisation demonstrates a good approach towards working with partners the measures for assuring the sustainability of the planned activities are of appropriate high quality the organisation ensures quality project management, including proper communication and coordination measures with the support organisation the measures aimed at disseminating the outcomes of the activities within and outside the participating organisations are appropriate and of high quality the measures for

monitoring and evaluating the activities are appropriate and of high quality. **MONITORING, REPORTING AND QUALITY ASSURANCE CHANGING/UPDATING THE QUALITY LABEL** The organisations holding a Quality Label for Humanitarian Aid Volunteering must notify the awarding body of any changes in their organisation that should be reflected in their Quality Label. **MONITORING AND CHECKS** The Quality Label will be periodically reassessed. The Executive Agency may carry out regular or ad hoc monitoring visits to verify that the organisations holding a Quality Label still meet the quality standards. **TERMINATION** In cases of serious underperformance, failure to comply with Executive Agency's instructions and deadlines or repeated violations of the Programme rules, the Quality Label can be withdrawn. The Executive Agency will give due consideration to each case of non-compliance and will prompt the organisation well in advance to allow enough time to take corrective measures. In addition, the awarding body may terminate a Quality Label if the organisation ceases to exist.

Conditions

Conditions

1.

Eligible countries : as described in the Call document. [european_solidarity_corps_guide_2021.pdf](#) (europa.eu)

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corrigendum dated 5 May 2021 EUR-Lex - C2021/132/06 - EN - EUR-Lex (europa.eu) 2. Eligibility and admissibility conditions: as described in the Call document. [european_solidarity_corps_guide_2021.pdf](#) (europa.eu)

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corrigendum dated 5 May 2021 EUR-Lex - C2021/132/06 - EN - EUR-Lex (europa.eu) 4. Evaluation Evaluation criteria, scoring, threshold and process are described in the Call document. [european_solidarity_corps_guide_2021.pdf](#) (europa.eu)

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corrigendum dated 5 May 2021 EUR-Lex - C2021/132/06 - EN - EUR-Lex (europa.eu) 5. Indicative timetable for evaluation and grant agreement: as described in the Call document. Publication of the call : EAC/A02/2021 (15 April 2021) Deadline for submitting applications : 22 September 2021 year 17:00 (Brussels Time) Applications can be submitted on a continuous basis. Organisations willing to take part in Humanitarian Aid Volunteering projects under the 2022 call must submit their application for Quality Label by 22 September 2021 at 17:00 (Brussels time) Evaluation period : October 2021- February 2022 Information to applicants : March 2022 6. Proposal templates, guidance and model grant agreements (MGA): Standard proposal template Call document [european_solidarity_corps_guide_2021.pdf](#) (europa.eu)

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corrigendum dated 5 May 2021 EUR-Lex - C2021/132/06 - EN - EUR-Lex (europa.eu)

Budget Overview

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Topic 2: Vocational Education and Training: Promote an enabling and supportive environment for vocational excellence at national and/or regional level

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-VET-VE

Summary : Topic 2: Vocational Education and Training: Promote an enabling and supportive environment for vocational excellence at national and/or regional level **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-27T00:00:00.000+0200 **Start Date** : 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-VET-VE>

Description

Scope: The forward-looking projects should aim at promoting an enabling and supportive environment for vocational excellence at national and/or regional level through support structures, wide dissemination of the CoVE projects and their results, further developing synergies with the work of various stakeholders, also sharing similar thematic or sectoral approaches, mapping of funding opportunities and other existing initiatives in the countries participating, thereby increasing the impact of the individual CoVEs, and promoting their sustainability and scalability beyond Erasmus+ funding.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: Page limit for the Part B Technical Description of the Application Form is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document.
4. Financial and operational capacity and exclusion described in the call document. 5a. Evaluation and award: Submission and evaluation processes described in the call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 18/12/2024 Deadline for submitting applications: 27 May 2025, 17:00 (Brussels time). Evaluation period: June- September 2025. Information to applicants: November 2025. Signature of grant agreement: February 2026.
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide , specifically Part C, Information for Applicants Model Grant Agreements (MGA) Lump Sum MGA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement How to manage your lump sum grants Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Topic 8: Digital education: Innovative data collection and exchange approaches in primary, secondary education (including vocational education and training) for data-informed decision-making

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-DM

Summary : Topic 8: Digital education: Innovative data collection and exchange approaches in primary, secondary education (including vocational education and training) for data-informed decision-making **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-DM>

Description

Scope: This priority focuses on the key role of data in primary, secondary, and vocational education. Data from learners, teachers, parents, school facilities (such as classroom and laboratories) is used to assess teaching and learning strategies (learning outcomes, teacher performance, test scores, graduation rates, etc.), and ultimately, the success of a school. Data is also used for comparative analytics purposes across districts, regions, and countries, and it also informs decision making concerning legislation, policies, funding, and innovative learning and teaching methods. However, the methodologies and criteria to aggregate, process, and synthesise educational data differs widely between schools, institutions, regions, and Member States. This makes comparing and synthesising educational data challenging, especially across Member States, and it impedes the development and implementation of comprehensive strategies for educational improvement and policy formulation. Therefore, the European Commission wants to support forward-looking ideas, projects and activities that contribute to ethical and privacy-centric data collection methods, the facilitation of relevant data exchange, transnational collaboration agreements, the development of advanced and ethical analytical tools and methodologies, and robust data governance frameworks to ensure consistency and accuracy in collecting and analysing educational data.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: Page limit for the Part B Technical Description of the Application Form is 70 pages. Layout as described in the Important Notice of the Part B Technical Description of the Application Form.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document.

4. Financial and operational capacity and exclusion described in the call document. 5a. Evaluation and award: Submission and evaluation processes described in the call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 18/12/2024 Deadline for submitting applications: 27 May 2025, 17:00 (Brussels time). Evaluation period: June- September 2025. Information to applicants: November 2025. Signature of grant agreement: February 2026.
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide , specifically Part C, Information for Applicants Model Grant Agreements (MGA) Lump Sum MGA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement How to manage your lump sum grants Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Topic 4: Adult Learning: Support to the Pact for Skills

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-ADULT-PS

Summary : Topic 4: Adult Learning: Support to the Pact for Skills **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-ADULT-PS>

Description

Scope: Under this priority, projects should implement all the activities listed below: • Develop and support governance structures connecting members of the Pact for Skills; • Develop and support cooperation of large companies with SMEs, and among SMEs, in the field of training; • Support the definition, implementation, and monitoring of concrete commitments under the Pact for Skills, such as: gathering skills intelligence; upskilling of low-skilled people; reskilling people for new tasks in their jobs, and reskilling of people from other sectors with skills transferable into the own sector.

Conditions

Conditions

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- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions described in the call document.
- 4. Financial and operational capacity and exclusion described in the call document. 5a. Evaluation and award: Submission and evaluation processes described in the call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 18/12/2024 Deadline for submitting applications: 27 May 2025, 17:00 (Brussels time). Evaluation period: June- September 2025. Information to applicants: November 2025. Signature of grant agreement: February 2026.
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide , specifically Part C, Information for Applicants Model Grant Agreements (MGA) Lump Sum MGA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement How to manage your lump sum grants Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108817":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-DM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333334"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108816":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-AI - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108819":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-PS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108818":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-VE - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108821":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-CG - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108820":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-SC - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108822":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-QM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108815":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-SCHOOL-BS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":

Topic 1: School Education: Enhancing basic skills

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-SCHOOL-BS

Summary : Topic 1: School Education: Enhancing basic skills **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-SCHOOL-BS>

Description

Scope: The objective of this priority is to support EU countries in their efforts to enhancing literacy, maths and science skills by implementing effective teaching, learning and assessment practices, with a specific focus on foundational years (ECEC and primary education). Based on existing evidence the project should look at teaching, learning and assessment practices (including interdisciplinary approaches) which have been assessed and have a demonstrated impact in foundational years (ECEC and primary education), and see how these can be further scaled-up, in particular in ECEC settings and schools with a high concentration of children from vulnerable groups, including low socio-economic background and children with different home languages. A strong focus should be placed on involving parents/caregivers, including through support to parenting, home reading programmes, as well as on the involvement of other stakeholders, particularly public libraries, scientific institutions, and NGOs, non-formal learning providers (such as EU STEM Coalition national platforms), businesses, local authorities. Projects should place a special attention on Initial Teacher Education and Continuing Professional Development programmes and how they can enhance educators' understanding of young children's literacy/communication and mathematical and scientific development, and to understand how to assess this development.

Conditions

Conditions

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Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108817":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-DM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333334"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108816":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-AI - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108819":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-PS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108818":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-VE - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108821":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-CG - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108820":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-SC - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108822":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-QM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}],{"108815":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-SCHOOL-BS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"3000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]}}

Topic 7: Digital education: Ethical and effective use of generative Artificial Intelligence systems in education and training’

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-AI

Summary : Topic 7: Digital education: Ethical and effective use of generative Artificial Intelligence systems in education and training’ **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-AI>

Description

Scope: Projects under this priority will aim to foster broader organisational readiness and capacity of education and training institutions as well as more broadly to education and training systems through: • Identify, map and analyse existing effective initiatives and areas in teaching, learning, and assessment at any level(s) of education and training where generative Artificial Intelligence (AI) systems are of particular use and benefit. Identify challenges as well as success factors for the deployment of generative AI. • Develop, and pilot innovative approaches, methods, and practices of the use of generative AI systems in teaching, learning and assessment at any level(s) of education and training. Special attention should be paid to the ethical, effective, purposeful and pedagogically underpinned use of the technology. • Produce guidelines and practical materials, as well as use cases on the critical use of generative AI systems in education

and training practices that can be disseminated and easily implemented at organisational level. Those should be complemented with clear recommendations to inform further policy initiatives.

Conditions

Conditions

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Budget Overview

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Topic 3: Vocational Education and Training: Development of joint VET qualifications and modules

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-VET-QM

Summary : Topic 3: Vocational Education and Training: Development of joint VET qualifications and modules **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-VET-QM>

Description

Scope: The general objectives of the priority are to contribute to:

- removing barriers to internal mobility for work and study purposes, facilitating the recognition of qualifications and learning outcomes;
- developing a highly skilled, qualified and mobile workforce, opening up opportunities for learners, workers and businesses;
- strengthening the quality, relevance and attractiveness of VET by supporting joint developments. The specific objective of the priority is to support the development and delivery of joint VET qualifications and/or modules that are part of qualifications, or the improvement of existing ones, thus facilitating the mutual recognition of qualifications and learning outcomes and contributing to removing barriers to work and study mobility within the EU. The joint qualifications and/or modules will include a work-based learning component and a mobility window for a certain number of VET learners to participate in exchanges or rotation among the partners and ensure the recognition of the joint qualification and/or modules among the participating organisations.

Conditions

Conditions

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Budget Overview

{ "budgetYearsColumns":["2025"],"budgetTopicActionMap":{"108817":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-DM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333334"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108816":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-AI - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108819":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-PS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108818":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-VE - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108821":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-ADULT-CG - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108820":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-DIGITAL-SC - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4333333"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108822":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-VET-QM - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"4000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]},"108815":[{"action":"ERASMUS-EDU-2025-PI-FORWARD-SCHOOL-BS - ERASMUS-LS ERASMUS Lump Sum Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"3000000"},"plannedOpeningDate":"2024-12-18","deadlineModel":"single-stage","deadlineDates":["2025-05-27"]}]}]}

Topic 5: Adult learning: Improving career guidance to support adults’ participation in training

General Info

Topic ID : ERASMUS-EDU-2025-PI-FORWARD-ADULT-CG

Summary : Topic 5: Adult learning: Improving career guidance to support adults’ participation in training **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-27T00:00:00.000+0200 **Start Date :** 2024-12-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/ERASMUS-EDU-2025-PI-FORWARD-ADULT-CG>

Description

Scope: Projects under this priority will identify and test methods and mechanisms to improve guidance and counselling services to adults, with a particular focus on reaching out to and supporting workers in small and micro-enterprises, at all levels, including management. Ideally projects should devise approaches that have the potential of becoming mainstreamed. Projects should support guidance services: • Providing coordinated services offering skills assessment, directing individuals to tailor-made learning options, with validation of the acquired skills. • Improving the career management skills of individuals. • Making use of skills intelligence and digital tools, including artificial intelligence, in career guidance to capitalise on new efficiencies and scale. • Supporting employers to identify which skills their enterprises will need and how they can support their employees to assess and acquire these skills. • Reinforcing career guidance counsellors’ training and competence development so that they can support individuals to unlock their full potential.

Conditions

Conditions

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3. Other Eligible Conditions described in the call document.
4. Financial and operational capacity and exclusion described in the call document. 5a. Evaluation and award: Submission and evaluation processes described in the call document. 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 18/12/2024 Deadline for submitting applications: 27 May 2025, 17:00 (Brussels time). Evaluation period: June- September 2025. Information to applicants: November 2025. Signature of grant agreement: February 2026.
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard application form (ERASMUS BB and LSII) Detailed budget table (ERASMUS LSII) Guidance ERASMUS Programme Guide , specifically Part C, Information for Applicants Model Grant Agreements (MGA) Lump Sum MGA Additional documents: ERASMUS+ Work Programme ERASMUS Regulation 2021/817 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement How to manage your lump sum grants Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Fashion

General Info

Topic ID : SMP-COSME-2024-WORTH-01

Summary : Fashion Status : Open

Deadline model : single-stage Deadline : 2025-04-29T00:00:00.000+0200 Start Date : 2025-01-23T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/SMP-COSME-2024-WORTH-01>

Description

None

Conditions

Conditions

- 1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
- 2. Eligible Countries described in the call document .
- 3. Other Eligible Conditions n/a
- 4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
- 5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard proposal template (COSME) — the application form specific to this call is available in the Submission System Detailed budget template (COSME) Detailed budget template (COSME GFS 75%) Model Grant Agreements (MGA) SMP MGA Additional documents SMP Work Programmes SMP Regulation 2021/690: Single Market Programme establishment act EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement Additional documents: SMP Work Programmes SMP Regulation 2021/690: Single Market Programme establishment act EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

{"budgetYearsColumns":["2024"],"budgetTopicActionMap":{"109909":[{"action":"SMP-COSME-2024-WORTH-02 - SMP-GFS SMP Grants for Financial Support","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2250000"},"plannedOpeningDate":"2025-01-23","deadlineModel":"single-stage","deadlineDates":["2025-04-29"]}],{"109910":[{"action":"SMP-COSME-2024-WORTH-01 - SMP-GFS SMP Grants for Financial Support","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2024":{"2250000"},"plannedOpeningDate":"2025-01-23","deadlineModel":"single-stage","deadlineDates":["2025-04-29"]}]}}}

Home decoration

General Info

Topic ID : SMP-COSME-2024-WORTH-02

Summary : Home decoration Status : Open

Deadline model : single-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2025-01-23T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/SMP-COSME-2024-WORTH-02>

Description

None

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions n/a
4. Financial and operational capacity and exclusion n/a 5a. Evaluation and award: Submission and evaluation processes n/a 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
5. Legal and financial set-up of the grants n/a Call document and annexes: Call document Application form templates Standard proposal template (COSME) — the application form specific to this call is available in the Submission System Detailed budget template (COSME) Detailed budget template (COSME GFS 75%) Model Grant Agreements (MGA) SMP MGA Additional documents SMP Work Programmes EU Financial Regulation 2018/1046 EU Grants AGA — Annotated Model Grant Agreement Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment SMP MGA Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement Funding & Tenders Portal Online Manual Additional documents: SMP Work Programmes SMP Regulation 2021/690: Single Market Programme establishment act EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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RFCS-2025-JT-Big Tickets for Coal

General Info

Topic ID : RFCS-2025-JT

Summary : RFCS-2025-JT-Big Tickets for Coal **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-06T00:00:00.000+0200 **Start Date** : 2025-02-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/RFCS-2025-JT>

Description

Expected Impact: Project results are expected to contribute to all the following impacts: Contribute to achieving the European Green Deal goals. Demonstrate overall positive environmental and, if relevant, health and safety impact of the technology and/or the approach pursued. **Expected Outcome:** Project results are expected to contribute to all the following outcomes: Contribute to the ambitious targets of the European Green Deal. Outline a continuation plan for technology scalability and greater expansion, ultimately linked to a viable business case. Provide high visibility dissemination of lessons learnt and continue to contribute to the development of skills and creation/conversion of jobs. **Objective:** The RFCS Research Programme (Council Decision (EU) 2021/1094) has the following research objectives for the coal sector: supporting the just transition of the coal sector and regions (Article 4). improving health and safety (Article 5). minimising the environmental impacts of coal mines in transition (Article 6). The call objectives are: Repurposing of formerly operating coal and lignite mines or those in the process of closure and coal-related infrastructure including power supply services. Materials and waste reuse, and development of alternative materials, including recovery of critical raw materials. Land monitoring, modelling, stabilisation and/or restoration. Processing of methane emissions. Monitoring, management and/or treatment of mine water and water tables in coal mines in the process of closure and formerly operating mines. **Scope:** Applicants may submit proposals for either pilot or demonstration projects (see Articles 15 and 16 of Council Decision 2008/376/EC). Proposals must be in line with Council Decision (EU) 2021/1094. Proposals should address the application of innovative technologies related to one or two of the five call objectives listed above. If addressing two call objectives, proposals should clearly identify which work packages address which call objective(s). Proposals must include an exploitation strategy outlining possible integration of the deliverables of the project (including the pilot/demonstrators) in an industrial environment and a preliminary assessment of their economic viability. Where relevant, they can also describe activities related to economic analysis for the purposes of constructing a business case or new business models. Activities are expected to achieve technology readiness level 7-8 (TRL 7-8) by the end of the project. In line with Article 2 of RFCS Council Decision (EU) 2021/1094, research and technological development funded under the RFCS must be in line with the Just Transition Mechanism goals. Proposals will have to demonstrate how they will support the social and economic revitalisation of the former coal mine regions, in line with the relevant Territorial Just Transition Plans . Proposals must involve the local community and focus on communication with stakeholders, including the public. Proposals are expected to include activities to: promote the development of efficient reskilling and upskilling programmes for workers affected by a coal phase-out, including research on the training and reskilling of workers employed or previously employed in the coal sector, in accordance with Article 4 (e) of RFCS Council Decision (EU) 2021/1094. address potential solutions that improve working conditions for employees of the coal mines being phased out, in particular health, safety, and ergonomics in and around the workplace, in accordance with Article 5 of RFCS Council Decision (EU) 2021/1094.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (RFCS) — the application form specific to this call is available in the Submission System Detailed budget table (RFCS) Model Grant Agreements (MGA) RFCS MGA Additional documents: RFCS Decision 2008/376 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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SMP-CONS-2025-ADR-RAD

General Info

Topic ID : SMP-CONS-2025-ADR-RAD
Summary : SMP-CONS-2025-ADR-RAD **Status :** Open

Deadline model : single-stage **Deadline :** 2025-08-27T00:00:00.000+0200 **Start Date :** 2025-03-13T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/SMP-CONS-2025-ADR-RAD>

Description

Scope: Call for proposals for action grants to provide financial contributions to Alternative Dispute Resolution bodies designated by the EU Member States pursuant to the ADR directive 2013/11/EU and to qualified entities (QE) designated by the EU Member States pursuant to Representative Actions Directive (EU) 2020/1828.

Conditions

- Conditions
1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 2. Eligible Countries described in the call document .
 3. Other Eligible Conditions described in the call document .
 4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document .
 5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard proposal template (CONS) — the application form specific to this call is available in the Submission System Detailed budget template (CONS) Model Grant Agreements (MGA) SMP MGA Additional documents: SMP Work Programmes SMP Regulation 2021/690: Single Market Programme establishment act EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual

Budget Overview

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Information and training measures for workers' organisations

General Info

Topic ID : SOCPL-2025-INFO-WK

Summary : Information and training measures for workers' organisations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-15T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/SOCPL-2025-INFO-WK>

Description

Expected Outcome: Both in Member States and candidate countries: - Stronger contribution by workers' organisations to the overarching challenges facing European employment and social policy within the context of European Union initiatives to address the consequences of the economic crisis, as well as in the context of increasing involvement of social partners in the European Semester process, and in the context of the European Pillar of Social Rights; - Improved skills for workers' representatives for participation in European social dialogue, better understanding of issues discussed in European social dialogue, sharing of ideas/experience on European social dialogue as well as improving the capacity of workers' organisations. Objective: Actions are expected to contribute to the priorities and activities of European social dialogue, including those laid down in the work programmes of the EU cross-industry and sectoral social dialogue committees. In that context, particular emphasis is put on strengthening collective bargaining and the involvement of social partners in the European Semester and enhancing their contribution to EU policy making. The call relates to Principle 8 of the European Pillar of Social Rights “Social dialogue and involvement of workers”, particularly its paragraph (b) “Workers or their representatives have the right to be informed and consulted in good time on matters relevant to them, in particular on the transfer, restructuring and merger of undertakings and on collective redundancies”.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain: - Application Form (Part A) - Application Form (Part B) - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH). Applications must be readable, accessible and printable, not exceeding [70] pages.
2. Eligible Countries Described in the call document . EU Member States and in some cases from the European Economic Area (EEA) countries, in accordance with the EEA Agreement.
3. Other Eligible Conditions Described in the call document .
4. Financial and operational capacity and exclusion Described in the call document . 5a. Evaluation and award: Submission and evaluation processes Described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds The award criteria for this call are described in the call document - page 16. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Timetable and deadlines (indicative): Call opening: 16 January 2025 Deadline for submission: 15 April 2025 – 17:00:00 CET (Brussels) Evaluation: April – August 2025 Information on evaluation results: October 2025 GA signature: December 2025
5. Legal and financial set-up of the grants Described in the call document . Call document and annexes: Call document: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/socpl/wp-call/2025/call-fiche_socpl-2025-info-wk_en.pdf Application form templates Standard application form (ESF and SOCPL) — the application form specific to this call is available in the Submission System ESF and SOCPL MGA Additional documents: SOCPL Work Programmes EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"109134":[{"action":"SOCPL-2025-INFO-WK - SOCPL-PJG SOCPL Project Grants","expectedGrants":0,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":{"6670382"},"plannedOpeningDate":"2025-01-16","deadlineModel":"single-stage","deadlineDates":["2025-04-15"]}]]}}
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The European Capital of Innovation Award (iCapital)

General Info

Topic ID : HORIZON-EIC-2025-PRIZE-2-01

Summary : The European Capital of Innovation Award (iCapital) **Status** : Open

Deadline model : single-stage **Deadline** : 2025-06-18T00:00:00.000+0200 **Start Date** : 2025-03-20T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PRIZE-2-01>

Description

Expected Outcome: The European Capital of Innovation Awards aim to champion inspiring cases of municipality-enabled innovation flourishing in cities. The Awards are a prestigious recognition for city administrators who are courageous enough to open up their governance practices to experimentation, to boost innovation by all means, to be a role model for other cities, and to push the boundaries of technology for the benefit of their citizens. In addition to the monetary reward, the prize brings high visibility in the form of renewed public interest and increased media coverage. The award will raise the profile of the cities that have developed and implemented innovative policies; established frameworks that boost breakthrough innovation; enhanced the city attractiveness towards investors, industry, enterprises and talents; helped to open up connections and strengthen links with other cities, promoting the replication of best practices in the innovation field; enhanced citizens' involvement in the decision-making process; and supported cities resilience. **Objective:** The traditional city innovation ecosystem is opening to new models of innovation engaging citizens, ensuring their involvement in the decision-making process, and reinforcing democracy and rights. An increasing number of cities are acting as test beds for innovation and run people-driven initiatives to find solutions to societal challenges, such as climate change, digitalisation, sustainable growth or social cohesion, including through new endeavours such as nature-based solutions and EU Missions. The public domain is particularly challenged with finding effective ways to ensure the mainstreaming of these practices into the ordinary urban development process. Successful practices are particularly crucial to enhance the city's capacity to attract and retain new resources, funds and talents to stimulate the growth of breakthrough innovations. Moreover, collaboration and strengthening synergies among innovation ecosystems boost cities' development and resilience to tackle urban challenges and inspires many other cities follow a similar path. The New European Innovation Agenda sets out a vision for harnessing the power of innovation to drive economic growth, social progress, and contribute to the green and digital transition in Europe. The agenda emphasizes the need for strategic investments in key technologies, including deep tech, and for strengthening and better connecting innovation ecosystems through stronger collaboration between regions, to close the innovation divide. For this reason, the European Capital of Innovation Awards will recognize the cities' role as catalysers of the local innovation ecosystem and will stimulate new activities aimed at boosting game-changing innovation.

Conditions

General conditions

1. **Admissibility conditions:** Proposal page limit and layout Applications must be submitted before 18 June 2025 – 17:00:00 CET (Brussels). Applications must be submitted electronically via the Funding & Tenders Portal Electronic Submission System (accessible via the Topic page in the Search Funding & Tenders section). Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic page — they are only for information). Applications must be complete and contain all the requested information and all required annexes and supporting documents: Application form Part A — contains administrative information about the applicant organisations (to be filled in directly online) Application form Part B — contains the technical

description of the application (to be downloaded from the Portal Submission System, completed and then assembled and re-uploaded as PDF in the system) Mandatory annex (to be uploaded as PDF file) : Each application must contain a specific endorsement to apply, signed by the city Mayor (or the equivalent highest political representative) of maximum 2 pages. The required level of representation has to be respected. Your application must be readable , accessible, printable . Applications are limited to maximum 30 pages (Part B). Evaluators will not consider any additional pages. You may be asked at a later stage for further documents (for legal entity validation, bank account validation, ethics review, declaration of honour, etc) . For more information about the submission process (including IT aspects), consult the Online Manual .

2. **Eligible participants** The candidate towns and cities must be located in one of the EU Member In order to be eligible, the applicant has to be a city [1] and must comply with the following criteria: The candidate cities must be located in one of the EU Member States or Associated Countries to Horizon Europe . For the category of European Capital of Innovation , the candidate city must have a minimum population of 250 000 inhabitants. In countries where there are no such cities, the city coming closest to 250 000 inhabitants is eligible to apply for the European Capital of Innovation category, provided that it has a minimum population of 50 000 inhabitants and that the city is not applying at the same time for the European Rising Innovative City category. For the category European Rising Innovative City , the candidate city must have a population comprised between 50 000 and 249 999 inhabitants [2] . In countries where there are no such cities, the largest city by number of inhabitants is eligible. [1] A city is a Local Administrative Unit or a group of Local Administrative Units where a majority of the population lives in an urban centre of at least 50 000 inhabitants. Local Administrative Units and their respective population figures should be those set out in the latest available validated or partially validated LAU correspondence table published by Eurostat (Local administrative units (LAU) - Eurostat (europa.eu)) at the time of the submission of the application. Local authorities may represent one city defined as a Local Administrative Unit, or a “greater city” or Metropolitan region, taking account of Functional Urban Areas when relevant. Legal entities with separate legal personality from cities, even if founded and funded by the cities, are not eligible to apply. [2] For population data in both categories, Eurostat will be the source of reference. For countries not covered by Eurostat, the Agency will perform specific checks when assessing the eligibility criteria, and might ask any concerned cities to prove they comply with this requirement.
3. **Other eligibility conditions** Winners of former European Capital of Innovation Awards editions, as well as runners-up of the edition 2024 are not eligible. This does not apply to previous finalist cities. Applicants that have already received an EU or Euratom prize cannot receive a second prize for the same activities. Joint applications by a group of applicants are not accepted and will be rejected as ineligible.
4. **Financial and operational capacity and exclusion** Described in article 7 of the rules of contest and on Annex C of the Work Programme General Annexes. 5a. **Evaluation and award: Award criteria, scoring and thresholds** If admissible and eligible, the applications will be evaluated and ranked against the following award criteria : award criterion 1: Experimenting – innovative concepts, processes, tools, and governance models proving the city's commitment to act as a test-bed for innovative practices, while ensuring the mainstreaming of these practices into the ordinary urban development process. award criterion 2: Escalating – promoting the acceleration of the different actors of the local innovation ecosystem, supporting growth of highly innovative start-ups and SMEs, establishing innovation friendly legal framework, creating an environment that stimulates growth and attracts private and public investments, resources, diversity and talents; and driving innovation demand through efficient innovation public procurement. award criterion 3: Ecosystem building – unlocking cities potential as local innovation ecosystem facilitators by fostering synergies among different innovation ecosystem players, from public, industry, startups, civil society, citizens to academia, to contribute to the development of an innovation ecosystem within the city. award criterion 4: Expanding – acting as a role model for other cities by supporting the dissemination and replication of tested solutions that boost the local innovation ecosystem; by promoting mutual learning, knowledge transfer and capacity building; and by enhancing cooperation and synergies between cities that are front-runners in driving the local innovation ecosystem, and those that are still exploring and testing their role as innovation enablers. award criterion 5: City innovative vision – applicants should demonstrate their long-term strategic vision/plan, highlighting the innovative initiatives that have positively contributed to the transformation of the city and which will further support the development of a sustainable and resilient innovation ecosystem ensuring the green and digital transition. award criterion 6: Citizens’ rights – the use of innovation to strengthen democracy, to protect citizens' rights, to foster social cohesion, and ensure integration with a special view on minorities, gender, disability, or race. Maximum points: 60 points. Individual thresholds: 6/10 points. Overall threshold: 36 points. Applications must pass both all the individual thresholds AND the overall threshold. The prize will be awarded to the applications ranked 1 st , 2 nd , and 3 rd with the best scores in each category. Other applications will be rejected. 5b. **Evaluation and award: Submission and evaluation processes** Applications will be subject to a formal evaluation by a jury in each category. If there are more than 60 applications in one category, there will be a pre-selection phase in that category to select the best 60 applications to pass to the jury review. Otherwise, all eligible applications will pass directly to jury review. The pre-selection panel and jury usually have a different composition, but jury members may participate in the pre-selection panel. The pre-selection panel/jury will evaluate each application against the award criteria. For applications with the same score, the pre-selection panel/jury will determine a priority order according to the following approach: the score for the criterion No 5 will

- be given a weight of 2 and the score for criterion No 2 will be given a weight of 1.5. If two or more applications still tie for any rank or category at the pre-selection phase, those applications will be admitted to the next phase of the evaluation. If two or more applications still tie for any rank or category at the jury review, those applications will be admitted to the hearings. The six best ranked applications in each category will be invited for a hearing with the jury in Brussels. This hearing may take place remotely. If two or more applications still tie for any rank or category, the prize will be equally divided and awarded to all applications with the same score. On the basis of the evaluation by the jury (and after the mandatory checks: ethics review, security scrutiny, legal entity validation, non-exclusion, double funding and plagiarism, etc), the awarding authority will decide on the award of the prize. All applications will be informed about the evaluation result (evaluation result letter). Successful applications will be awarded the prize; the not successful ones will be rejected. If you believe that the evaluation procedure was flawed, you can submit a complaint (following the deadlines and procedures set out in the evaluation result letter). Please note that notifications are deemed to have been accessed (and received) 10 days after sending and that deadlines will be counted from then (see also Funding & Tenders Portal Terms and Conditions) . 5c. Evaluation and award: Indicative timeline for evaluation The call is open until 18 June 2025 (17:00:00). The jury members will evaluate the proposals received between July and September. The hearings will take place in September – October. Information on the evaluation results / award will take place in November - December 2025.
5. Legal and financial set-up of the grants Described in Annex G of the Work Programme General Annexes. Specific conditions Specific conditions are described in the rules of contest . Call documents: Rules of contest Application forms: Standard application form — Download the mandatory word template from the Submission System Additional documents: EIC 2025 Work Programme HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 13. General Annexes EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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A Pan-European infrastructure for Chips Design Innovation

General Info

Topic ID : HORIZON-JU-CHIPS-2025-CSA-1

Summary : A Pan-European infrastructure for Chips Design Innovation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-CSA-1>

Description

Expected Outcome: Proposals are expected to address the following expected outcomes: Here are the outcomes with the title capitalisation removed in the bold parts: Establish a platform for the European design ecosystem : Created a platform that supports the growth of a European design ecosystem by fostering design reuse, enabling the exploitation of advanced technologies in various application domains, and providing a foundation for deep-tech startups. Encourage dissemination of PDKs through the platform : Actively supported foundries in sharing open-source and proprietary

technologies, particularly their PDKs, via the platform. Streamline access to EDA tools : Simplified and lowered barriers to access commercial and open-source industry-standard EDA tools across various technologies, with a focus on affordability. Enhance workforce skills through hands-on experience : Reduced barriers for undergraduate and postgraduate students to gain hands-on IC design experience, complementing their theoretical coursework. Provide diverse chip design flows : Offered a variety of chip design flows, supporting multi-vendor configurations where feasible, and assisted users in customising their design workflows. Facilitate affordable prototyping access : Enabled academia, research centres, and spinouts to prototype affordably using industrial-grade and emerging technologies, including advanced nodes, mature nodes, open-source solutions, and pilot-line technologies, with pathways to volume production. Offer extensive training resources : Delivered comprehensive training resources to up-skill and re-skill students and professionals across a wide range of technologies. Train academics and instructors through ‘train-the-trainer’ programmes : Provided targeted training for educators in semiconductor and photonics technologies to improve teaching quality and dissemination. Provide a platform for open-source IP exchange : Established a platform for sharing open-source IP, fostering collaboration and reuse. Support students in gaining hands-on chip design experience : Facilitated pre-tertiary and vocational students’ access to open-source tool flows, promoting practical engagement with chip design. Ensure access to customer support and leading-edge tools : Simplified access to customer support, IP, and cutting-edge design tools for a broad user base. Lower barriers for advanced packaging and integration : Supported users in adopting advanced packaging and heterogeneous integration techniques by reducing entry barriers. Enable efficient fabrication and system integration : Facilitated multi-project wafer (MPW) runs and small-volume fabrication of ASICs, photonics, MEMS, sensors, and their integration at the system level, while promoting the adoption of emerging or underutilised technologies such as quantum technologies, photonics, and wide-bandgap materials by academia and SMEs. Promote technology offerings from research centres : Supported and highlighted the technology services of research centres with lower TRL (technology readiness level) capabilities. Furthermore, particular emphasis should be placed on ensuring the seamless integration of this initiative within the framework of the Chips Act. To this end, proposals must address the following outcomes: Collaborate extensively with initiatives under Pillar 1 of the Chips Act such as the Design Platform, competence centres and pilot lines. Particularly by: collaborating extensively with the Design Platform initiative, including through joint activities; facilitating academic access to the Chips Act pilot lines; support competence centres across all EU Member States. Implement a comprehensive plan to integrate EUROPRACTICE services into the Chip Act’s Design Platform by the conclusion of this project .

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. 5b. Evaluation and award: Submission and evaluation processes are described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
5. Legal and financial set-up of the grants described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. Call documents: HORIZON-JU-Chips-2025-CSA Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Heterogeneous Integration for High-Performance Automotive Computing

General Info

Topic ID : HORIZON-JU-CHIPS-2025-IA-HPA

Summary : Heterogeneous Integration for High-Performance Automotive Computing **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-IA-HPA>

Description

Expected Outcome: Proposals are expected to encompass at least the following elements: Automotive chiplet system framework : Develop and implement the architectural and design specifications for an automotive chiplet-based computing platform, taking into consideration any relevant standards and industry wide collaborations in this field. Adaptation of relevant IP : Where necessary, adapt pertinent intellectual property (IP) to support seamless chiplet integration within the automotive context. Automotive base die development : Development of an automotive base die for the orchestration of in-package computing with adequate process workflows. System Integration and Packaging : integrate the system and develop the package taking into consideration automotive requirements. Complementarity with the RISC-V Automotive Hardware Platform topic is expected. For the purposes of intermediate physical demonstrators, non-RISC-V based IP may be considered for in-package integration. Collaboration with the Chips for Europe Initiative pilot lines is encouraged. Nevertheless, the final deliverable for this project should include components developed under the RISC-V Automotive Hardware Platform call - particularly the application processor and AI accelerators - integrated with other IP via the chiplet platform developed under this call.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5b. Evaluation and award: Submission and evaluation processes described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
5. Legal and financial set-up of the grants described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. Specific conditions described in the [specific topic of the Work Programme] Call documents: HORIZON-JU-CHIPS-2025-RIA ECS Global RIA Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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AI-assisted Methods and Tools for Engineering Automation

General Info

Topic ID : HORIZON-JU-CHIPS-2025-IA-two-stage-FT2

Summary : AI-assisted Methods and Tools for Engineering Automation **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-IA-two-stage-FT2>

Description

Expected Outcome: The project is expected to contribute to the following outcomes: Advanced AI-assisted methods and tools , including generative AI , for the automation of software engineering tasks, from enhancing human efficiency and optimizing resource utilization to enabling complex data/problems analysis/interpretation and supporting intelligent decision-making. Such engineering tasks often involve multiple domains (e.g., modelling, control, data management, communication, mechatronics, etc.) and stakeholders, with the burden of daunting legacy integration, refactoring (e.g., to re-design and replace obsolete technology), and the compliance with specific standards, regulations and certifications. Open and extensible AI-assisted integrated platform, based on methodologies including AI-support, AI-based tools and toolchains, following a well-defined engineering process, including the integration with legacy tools. The platform shall provide flexible usage in small and large multi-domain and multi-stakeholder engineering teams, impacting existing and upcoming ECS engineering automation tools and their usage. Showcasing and evaluation for software-defined vehicles of efficiency enhancements in terms of cost and time for complex data/knowledge management, resource optimization, energy consumption, interoperability, product/process quality/trustworthiness, learning curve and usability, over the whole lifecycle, from design, through deployment, operations, and maintenance, to the product end-of-life and recycling, and its evolution. Best practices and small proof-of-concept studies for other sectors , e.g. medical/pharmaceutical and/or digital industry.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.

5. Legal and financial set-up of the grants described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. HORIZON-JU-CHIPS-2025-IA-FT2 Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement .

Budget Overview

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Boosting innovation through exploitation of digitalisation and data exchange in healthcare

General Info

Topic ID : HORIZON-JU-IHI-2025-09-04-single-stage

Summary : Boosting innovation through exploitation of digitalisation and data exchange in healthcare **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-09-04-single-stage>

Description

Expected Impact: The actions to be funded under this topic are expected to achieve the following: a. contribute to one or more of IHI JU's expected impacts linked to IHI JU's Specific Objective 4, as reflected in the IHI JU SRIA, i.e.: wider availability of interoperable, quality data, respecting FAIR (findable, accessible, interoperable, reusable) principles, facilitating research and the development of integrated products and services; improved insight into the real-life behaviour and challenges of patients with complex, chronic diseases and co-morbidities thanks to m-health and e-health technologies; advanced analytics / artificial intelligence supporting health R&I, resulting in a) clinical decision support for increased accuracy of diagnosis and efficacy of treatment; b) shorter times to market; c) wider availability of personalised health interventions to end-users; d) better evidence of the added value from new digital health and artificial intelligence tools, including reduced risk of bias due to improved methodologies. b. contribute to strengthening the competitiveness of the EU's health industry via increased economic activity in the development of health technologies, in particular, integrated health solutions, thus fostering European technological leadership and the digital transformation of our societies. The actions are expected to contribute to EU programmes, initiatives and policies such as the European Green Deal, Europe's Beating Cancer Plan, the EU Mission on Cancer, the European Virtual Human Twins Initiative, the European Health Emergency Preparedness and Response Authority (HERA), the European Commission's proposal for the European Health Data Space (EHDS), and the EU Artificial Intelligence Act 1 , where relevant. 1 EU Artificial

Intelligence Act | Up-to-date developments and analyses of the EU AI Act Expected Outcome: Applicants must define the outcomes expected to be achieved by the project ensuring that they contribute to at least one of IHI JU's potential outputs linked to the IHI JU's Specific Objective 4 'exploit the full potential of digitalisation and data exchange in healthcare', as reflected in the IHI JU Strategic Research and Innovation Agenda (SRIA). Actions (projects) to be funded under this topic must deliver results that address public health needs and support the development of future health innovations that are safe, people-centred, effective, cost-effective and affordable for patients and for health care systems. The expected outcomes may cover the entire spectrum of care and may be health technologies centred around disease areas and/or key themes such as prevention, precision diagnostics, personalised medicine, and chronic disease management. They may also include solutions for key enablers such as digital data and solutions, artificial intelligence (AI), regulatory science, greener and more sustainable healthcare, and implementation science 1. 1 In the context of IHI, 'implementation science' refers to the development and piloting of methods and strategies that facilitate the uptake of evidence-based practice and research outcomes into regular use (e.g. translation of results, uptake, scale-up, piloting in healthcare). Scope: With a view to harnessing new science and technologies, this topic aims to fund pre-competitive research and innovation for novel tools, methods, technologies etc. that will foster the development of health innovations to prevent, intercept, diagnose, treat and manage diseases and enable recovery more efficiently. Accordingly, applicants must assemble a collaborative public-private partnership consortium reflecting the integrative and cross-sectoral nature of IHI JU that is capable of directly addressing the challenge(s) and scope of the IHI JU Specific Objective 4 'exploit the full potential of digitalisation and data exchange in healthcare', as defined in IHI JU's legal basis 1 and described in more detail in the IHI JU SRIA 2 : Applicants should consider the following points in their proposals: a. address an unmet public health need based on at least one of the below: the high burden of the disease for patients and/or society due to its severity and/or the number of people affected by it; the high economic impact of the disease for patients and society; the transformational nature of the potential results on innovation processes where projects are not focussed on individual disease areas (e.g. health data analytics). b. demonstrate the ability to translate research into innovative solutions that can be integrated/implemented into the healthcare ecosystem (taking into consideration the fragmented nature of European healthcare systems) and/or into industrial processes. When applicable, proposals should consider relevant aspects of patient-centricity, with the help of the most suitable health technologies and/or social innovations, including open science and taking demographic trends into account as relevant. If applicable, applicants are expected to consider the potential regulatory impact of the anticipated project's outputs, and, as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence and for engaging with regulators and other bodies in a timely manner, e.g. EU national competent authorities, notified bodies for medical devices and in vitro diagnostic devices, health technologies assessment (HTA) agencies, and the European Medicines Agency (EMA), through existing opportunities for regulatory support services such as the Innovation Task Force and qualification advice. As relevant, consideration should also be given to the Health Data Access Bodies that will be established under the forthcoming European Health Data Space Regulation 3 in the context of secondary use of data. Applicants should consider relevant existing initiatives/projects to ensure synergies and complementarities and avoid unnecessary overlap and duplication of efforts. The proposal should include a plan on how to synergise with these initiatives. 1 Article 115 of the Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe 2 https://www.ihj.europa.eu/sites/default/files/flmng/IHI_Strategic_Research_and_Innovation_Agenda_3.pdf 3 https://www.europarl.europa.eu/doceo/document/TA-9-2024-0331_EN.pdf

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 - for a single-stage Call, the limit for RIA full proposals is 50 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - 5b. Evaluation and award: Submission and evaluation processes Submission and evaluation processes are described in Annex F of the Work Programme

General Annexes and the Online Manual 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes

5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP) specific conditions on Availability, Accessibility and Affordability (3A) apply to this topic JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 9 th Call for proposals full topics text is available here Evaluation form (Research and Innovation Actions - single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage calls) Proposal templates (Research and Innovation Actions - single stage and 2nd Stage of two-stage calls) : Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants, on the budget, information on Ethics and Security, as well as other type of questions (e.g. information on clinical studies). Please note that only Part A of this template is applicable for this Call. For Part B, see point below. Proposal template - Part B : IHI JU Proposal template (RIA/FP) - Part B Proposal Annexes : § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex, which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ’In-kind contributions to additional activities (IKAA)” is an IHI specific annex. The excel template can be found here and the instructions on how to fill in this template can be found here . This is an optional annex . § Annex: Essential information for clinical studies The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The

information on clinical studies annex can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . § Annex: Contributing partners The applicant contributing partner must send the pdf of the final signed letter to the coordinator of their proposal. The coordinators are responsible for uploading the final application letters in the EU Funding and Tenders Portal along with the rest of the proposal documents, as a part of the wider proposal. If the proposal includes more than one contributing partner, the coordinator must prepare one pdf document containing all the contributing partners' application letters. For more information please consult: <https://www.ih.europa.eu/shape-our-future-research/become-contributing-partner> This annex is compulsory only in case your proposal includes contributing partners . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act 'SBA' or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and

Budget Overview

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International Collaboration on AI Factories and HPC-AI

General Info

Topic ID : HORIZON-JU-EUROHPC-2025-INCO-01
Summary : International Collaboration on AI Factories and HPC-AI **Status :** Open

Deadline model : single-stage **Deadline :** 2025-06-04T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-EUROHPC-2025-INCO-01>

Description

Expected Outcome: Strengthening the current and future capacities of the EU HPC-AI ecosystem, and in particular of AI factories, by supporting the active EU participation in the international initiatives for scientific and engineering massive GenAI HPC-based solutions. Delivery of a high-quality plan addressing the development of massive GenAI models for science in Europe. Ensuring that the EU’s vision, priorities and ethical standards are well reflected in the discussions, roadmaps, and other technical activities and in the governance of the Trillion Parameter Consortium (TPC) [1]. Contribution to the development of a competitive European converged HPC-AI ecosystem. Aligning the EU and national initiatives and bridging the gaps between EU and international efforts in these domains, and interaction and collaboration with other similar international efforts. Improving the sharing of information, best practice and expertise at European and world-level to address critical scientific challenges in these domains and ensuring that this knowledge is appropriately disseminated to key EU initiatives, in particular AI Factories. [1] Trillion Parameter Consortium (TPC) Scope: Proposals are invited for a Coordination and Support Action to actively participate in the organisational and technical activities of the Trillion Parameter Consortium (TPC) [1] to guide and prepare European HPC for the convergence of supercomputing and AI in massive Generative Artificial Intelligence (GenAI) models for science. Proposals should demonstrate a clear link with the TPC, aiming at creating extreme - scale state-of-the-art trustworthy and reliable generative AI models and to address and discuss the related key challenges to support the advancing of AI for science using HPC. Main activities: Coordinate and establish a EU-level representation in the governance of the TPC, ensuring the EU’s views in strategic decisions and contributing to EU’s sovereignty. Support the organisation and active participation of the EU stakeholders in technical activities such as roadmaps, working groups, dedicated workgroups, etc. of the initiative. Analyse the relevant research and operational challenges and produce and maintain high-quality research roadmaps with

recommendations for research actions at the European level related to the TPC. Engage with and disseminate the results to the relevant European stakeholders and communities related to the TPC, to EuroHPC actors such as the RIAG, INFRAG, ETP4HPC, BDVA, and to other relevant projects and initiatives such as AI Factories, DARE FPA on RISC-V hardware, EuroHPC Hosting Entities, HPC Centres of Excellence (CoEs), etc. The action should consist of a core consortium of key European players in the related domains, and should support the participation of individuals from other scientific and industrial players and organisations in Europe that are considered necessary for the success of the goals of the proposal and related to the main activities of the TPC. Background : The rapid advances in GenAI, in particular in Large Language Models (LLMs), and the increasing challenges of effectively using exa and post-exascale HPC architectures to meet the demands of novel AI based applications are changing the whole HPC-AI ecosystem. The magnitude of such challenges is fostering an indispensable collaboration with the key stakeholders at world level that are currently gathering their efforts in major activities to tackle those challenges and prepare the future, in particular the TPC [1]. European initiatives, and in particular the AI Factories, must benefit from the active involvement of EU stakeholders to maintain their current and future competences in this fast-moving environment. It is therefore critical that Europe sends a clear signal of coordinated involvement with a support action so not to be just followers in this major initiative. [1] Trillion Parameter Consortium (TPC)

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds The granting authority can fund a maximum of one project. are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants Grants award under this topic will have to submit the following deliverable(s): Communication plan (to be submitted 6 months after the beginning of the grant together with the Dissemination and Engagement Plan). described in Annex G of the Work Programme General Annexes. Specific conditions described in the described in the EuroHPC JU Decision No 66/2024 . Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System Standard application form (HE CSA) Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) HE MGA HE Unit MGA Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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RISC-V Automotive Hardware Platform

General Info

Topic ID : HORIZON-JU-CHIPS-2025-IA-two-stage-FT1

Summary : RISC-V Automotive Hardware Platform **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-IA-two-stage-FT1>

Description

Expected Outcome: The overall ambition of this call is to develop in-vehicle demonstrators capable of PetaOPS computing taped-out on leading-edge processes. Proposals are expected to significantly bolster the development of a high-performance automotive RISC-V reference hardware platform, encompassing the following crucial components: **High-Performance RISC-V Automotive Application Processors:** Launch of high-performance, RISC-V application processors designed for automotive applications. These processors will include advanced computer architecture techniques, multi-core configurations and support for high-bandwidth memory interfaces, catering to the complex computing demands of autonomous driving systems. **AI and ML Automotive Accelerators:** Development of AI and ML accelerators with specialised ISA extensions for efficient data-intensive computations. These accelerators shall be optimised for automotive applications, supporting advanced AI models with a focus on energy efficiency and real-time processing capabilities. **System Integration and Interfacing:** Establishment of a coherent system architecture integrating RISC-V cores, AI accelerators, memory and system peripherals. This includes the use of 2.5D/3D integration, the development of high-bandwidth interconnects with Quality of Service (QoS) and shared cache memories to support the high memory bandwidth required by advanced automotive applications. **System 2.5/3D integration** will be developed in this programme's call on heterogeneous integration for automotive. **Software Tools and Libraries:** Development of a comprehensive tool-chain to support the developed RISC-V hardware. This includes compilers, binary utilities, integrated development environments (IDEs), and runtime libraries tailored for automotive applications, ensuring ease of programming and optimal performance. **Hardware-software co-design** is encouraged. **Collaboration with the Software Defined Vehicle Initiative :** Strengthening of the open-source ecosystem through collaboration between hardware and software development, and automotive industry stakeholders. This collaborative effort will focus on alignment with other Chips Joint Undertaking projects on the Software Defined Vehicle regarding automotive standardised interfaces, middleware and APIs to facilitate seamless integration and interoperability. **Benchmarking and Quality Assurance :** Implementation of benchmarking techniques to assess the performance, safety, and security of the RISC-V platforms. This will ensure compliance with automotive industry standards and regulations, paving the way for the adoption of RISC-V processors in safety-critical automotive applications.

Conditions

General conditions

1. **Admissibility Conditions:** Proposal page limit and layout described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. **Eligible Countries** described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
3. **Other Eligible Conditions** described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
4. **Financial and operational capacity and exclusion** described in Annex C of the Work Programme General Annexes.
5a. **Evaluation and award:** Award criteria, scoring and thresholds are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. 5b. **Evaluation and award:** Submission and evaluation processes are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. 5c. **Evaluation and award:** Indicative timeline for evaluation and grant agreement described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
5. **Legal and financial set-up of the grants** described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. HORIZON-JU-CHIPS-2025-IA-FT1 Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation,

Budget Overview

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Boosting innovation for a better understanding of the determinants of health

General Info

Topic ID : HORIZON-JU-IHI-2025-09-01-single-stage

Summary : Boosting innovation for a better understanding of the determinants of health **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-09-01-single-stage>

Description

Expected Impact: The actions to be funded under this topic are expected to achieve the following: a. contribute to one or more of IHI JU's expected impacts linked to Specific Objective 1 as set out in the IHI JU SRIA, i.e.: patients benefit from preventive treatment or early disease intervention before onset of symptoms; prevention and early diagnosis of disease combined with better understanding of the mechanisms involved, leading to the development of more cost-effective strategies; patients benefitting from improved healthcare through regular monitoring of critical parameters using validated tools; development of new vaccine strategies targeted to specific sub-populations; increased preparedness of EU healthcare systems for disease outbreaks. b. contribute to strengthening the competitiveness of the EU's health industry, via increased economic activity in the development of health technologies, in particular, integrated health solutions, thus fostering European technological leadership and the digital transformation of our societies. The actions are expected to contribute to EU programmes, initiatives and policies such as the European Green Deal, Europe's Beating Cancer Plan, the EU Mission on Cancer, the European Virtual Human Twins Initiative, the European Health Emergency Preparedness and Response Authority (HERA), the European Commission's proposal for the European Health Data Space (EHDS), and the EU Artificial Intelligence Act 1, where relevant. 1 EU Artificial Intelligence Act | Up-to-date developments and analyses of the EU AI Act **Expected Outcome:** Applicants must define the outcomes expected to be achieved by the project, ensuring that they contribute to at least one of IHI JU's potential outputs linked to the IHI JU's Specific Objective 1 'contribute towards a better understanding of the determinants of health and priority disease areas', as set out in the IHI JU Strategic Research and Innovation Agenda (SRIA). Actions (projects) to be funded under this topic must deliver results that address public health needs and support the development of future health innovations that are safe, people-centred, effective, cost-effective and affordable for patients and for health care systems. The expected outcomes may cover the entire spectrum of care and may be health technologies centred around disease areas and/or key themes such as prevention, precision diagnostics, personalised medicine, and chronic disease

management. They may also include solutions for key enablers such as digital data and solutions, artificial intelligence (AI), regulatory science, greener and more sustainable healthcare, and implementation science 1 . 1 In the context of IHI, 'implementation science' refers to the development and piloting of methods and strategies that facilitate the uptake of evidence-based practice and research outcomes into regular use (e.g. translation of results, uptake, scale-up, piloting in healthcare). Scope: With a view to harnessing new science and technologies, this topic aims to fund pre-competitive research and innovation for novel tools, methods, technologies etc. that will foster the development of health innovations to prevent, intercept, diagnose, treat, and manage diseases and enable recovery more efficiently. Accordingly, applicants must assemble a collaborative public-private partnership consortium reflecting the integrative and cross-sectoral nature of IHI JU, that is capable of addressing the challenge(s) and scope of the IHI JU Specific Objective 1 'contribute towards a better understanding of the determinants of health and priority disease areas', as defined in IHI JU's legal basis 1 and described in more detail in the IHI JU SRIA 2 : Applicants should consider the following points in their proposals: a. address an unmet public health need based on at least one of the below: the high burden of the disease for patients and/or society due to its severity and/or the number of people affected by it; the high economic impact of the disease for patients and society; the transformational nature of the potential results on innovation processes where projects are not focussed on individual disease areas (e.g. health data analytics). b. demonstrate the ability to translate research into innovative solutions that can be integrated/implemented into the healthcare ecosystem (taking into consideration the fragmented nature of European healthcare systems) and/or in industrial processes. When applicable, proposals should consider relevant aspects of patient-centricity, with the help of the most suitable health technologies and/or social innovations, including open science, and taking demographic trends into account as relevant. If applicable, applicants are expected to consider the potential regulatory impact of the anticipated project's outputs, and, as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence and for engaging with regulators and other bodies in a timely manner, e.g. EU national competent authorities, notified bodies for medical devices and in-vitro diagnostic devices, health technology assessment (HTA) agencies, and the European Medicines Agency (EMA) through existing opportunities for regulatory support services, such as the Innovation Task Force and qualification advice. As relevant, consideration should also be given to the Health Data Access Bodies that will be established under the forthcoming European Health Data Space Regulation 3 in the context of secondary use of data. Applicants should consider relevant existing initiatives/projects to ensure synergies and complementarities and avoid unnecessary overlap and duplication of efforts. The proposal should include a plan on how to synergise with these initiatives. 1 Article 115 of the Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe 2 https://www.ihj.europa.eu/sites/default/files/flmng/IHI_Strategic_Research_and_Innovation_Agenda_3.pdf 3 https://www.europarl.europa.eu/doceo/document/TA-9-2024-0331_EN.pdf

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 - for a single-stage Call, the limit for RIA full proposals is 50 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - 5b. Evaluation and award: Submission and evaluation processes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP) specific conditions on Availability, Accessibility and Affordability (3A) apply to this topic JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and

model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 9 th Call for proposals full topics text is available here Evaluation form (Research and Innovation Actions - single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage calls) Proposal templates (Research and Innovation Actions - single stage and 2nd Stage of two-stage calls) : Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants, on the budget, information on Ethics and Security, as well as other type of questions (e.g. information on clinical studies). Please note that only Part A of this template is applicable for this Call. For Part B, see point below. Proposal template - Part B : IHI JU Proposal template (RIA/FP) - Part B Proposal Annexes : § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex, which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ’In-kind contributions to additional activities (IKAA)” is an IHI specific annex. The excel template can be found here and the instructions on how to fill in this template can be found here . This is an optional annex . § Annex: Essential information for clinical studies The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section

of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . § Annex: Contributing partners The applicant contributing partner must send the pdf of the final signed letter to the coordinator of their proposal. The coordinators are responsible for uploading the final application letters in the EU Funding and Tenders Portal along with the rest of the proposal documents, as a part of the wider proposal. If the proposal includes more than one contributing partner, the coordinator must prepare one pdf document containing all the contributing partners' application letters. For more information please consult: <https://www.ih.europa.eu/shape-our-future-research/become-contributing-partner> This annex is compulsory only in case your proposal includes contributing partners . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act 'SBA' or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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04-29"]}, {"action": "HORIZON-JU-IHI-2025-09-02-single-stage - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions", "expectedGrants": 6, "minContribution": 15000000, "maxContribution": 100000000, "budgetYearMap": {"2025": "191000000"}, "plannedOpeningDate": "2025-01-16", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-29"]}, {"action": "HORIZON-JU-IHI-2025-09-01-single-stage - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions", "expectedGrants": 3, "minContribution": 8000000, "maxContribution": 25000000, "budgetYearMap": {"2025": "191000000"}, "plannedOpeningDate": "2025-01-16", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-29"]}, {"action": "HORIZON-JU-IHI-2025-09-03-single-stage - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions", "expectedGrants": 3, "minContribution": 8000000, "maxContribution": 30000000, "budgetYearMap": {"2025": "191000000"}, "plannedOpeningDate": "2025-01-16", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-29"]}, {"action": "HORIZON-JU-IHI-2025-09-04-single-stage - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions", "expectedGrants": 3, "minContribution": 8000000, "maxContribution": 24000000, "budgetYearMap": {"2025": "191000000"}, "plannedOpeningDate": "2025-01-16", "deadlineModel": "single-stage", "deadlineDates": ["2025-04-29"]}]]}
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Boosting innovation through better integration of fragmented health R&I efforts

General Info

Topic ID : HORIZON-JU-IHI-2025-09-02-single-stage

Summary : Boosting innovation through better integration of fragmented health R&I efforts **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-09-02-single-stage>

Description

Expected Impact: The actions to be funded under this topic are expected to achieve the following: a. contribute to one or more of IHI JU's expected impacts linked to IHI JU's Specific Objective 2, as set out in the IHI JU SRIA, i.e. breaking down fragmentation between various disciplines of medicine and technological areas in order to conceive and develop technologically and socially innovative, people-centred, integrated healthcare solutions that can seamlessly be introduced in healthcare systems; fostering development of safe and effective innovative health technologies and their combinations thanks to new and harmonised approaches to data generation; better and faster integration of future products, services and tools along the healthcare pathway (including health promotion and disease prevention), responding to patients' specific needs and leading to improved health outcomes and patient well-being; patients and industry benefit from innovative manufacturing processes such as 3D printing, on-demand small-scale good manufacturing practice (GMP) synthesis, on-site portable production systems etc.; green transition enabled across all aspects of healthcare, both in the delivery of healthcare to patients, and in the technologies and products that emerge from a competitive European industry. b. contribute to strengthening the competitiveness of the EU's health industry, via increased economic activity in the development of health technologies, in particular, integrated health solutions, thus fostering European technological leadership and the digital transformation of our societies. The actions are expected to contribute to EU programmes, initiatives and policies such as the European Green Deal, Europe's Beating Cancer Plan, the EU Mission on Cancer, the European Health Emergency Preparedness and Response Authority (HERA), the European Commission's proposal for the European Health Data Space (EHDS), and the EU Artificial Intelligence Act 1, where relevant. 1 EU Artificial Intelligence Act | Up-to-date developments and analyses of the EU AI Act

Expected Outcome: Applicants must define the outcomes expected to be achieved by the project, ensuring that they contribute to at least one of IHI JU's potential outputs linked to the IHI JU Specific Objective 2 'integrate fragmented health research and innovation efforts bringing together health industry sectors and other stakeholders, focussing on unmet public health needs, to enable the development of tools, data, platforms, technologies and processes for improved prediction, prevention, interception, diagnosis, treatment and management of diseases, meeting the needs of end-users' as set out in the IHI JU Strategic Research and Innovation Agenda (SRIA). Actions (projects) to be funded under this topic must deliver results that address public health needs and support the development of future health innovations that are safe, people-centred, effective, cost-effective and affordable for patients and for health care systems. The expected outcomes may cover the entire spectrum of care and may be health technologies centred around disease areas and/or key themes such as

prevention, precision diagnostics, personalised medicine, and chronic disease management. They may also include solutions for key enablers such as digital data and solutions, artificial intelligence (AI), regulatory science, greener and more sustainable healthcare, and implementation science 1 . 1 In the context of IHI, ‘implementation science’ refers to the development and piloting of methods and strategies that facilitate the uptake of evidence-based practice and research outcomes into regular use (e.g. translation of results, uptake, scale-up, piloting in healthcare). Scope: With a view to harnessing new science and technologies, this topic aims to fund pre-competitive research and innovation for novel tools, methods, technologies etc. that will foster the development of health innovations to prevent, intercept, diagnose, treat, and manage diseases and enable recovery more efficiently. Accordingly, applicants must assemble a collaborative public-private partnership consortium reflecting the integrative and cross-sectoral nature of IHI JU, that is capable of addressing the challenge(s) and scope of the IHI JU Specific Objective 2 ‘ integrate fragmented health research and innovation efforts bringing together health industry sectors and other stakeholders, focussing on unmet public health needs, to enable the development of tools, data, platforms, technologies and processes for improved prediction, prevention, interception, diagnosis, treatment and management of diseases, meeting the needs of end-users’ as defined in IHI JU’s legal basis 1 and described in more detail in the IHI JU SRIA 2 : Applicants should consider the following points in their proposals: a. address an unmet public health need based on at least one of the below: the high burden of the disease for patients and/or society due to its severity and/or the number of people affected by it; the high economic impact of the disease for patients and society; the transformational nature of the potential results on innovation processes where projects are not focussed on individual disease areas (e.g. health data analytics). b. demonstrate the ability to translate research into innovative solutions that can be integrated/implemented into the healthcare ecosystem (taking into consideration the fragmented nature of European healthcare systems) and/or industrial processes. When applicable, proposals should consider relevant aspects of patient-centricity, with the help of the most suitable health technologies and/or social innovations, including open science and taking demographic trends into account as relevant. Proposals may address specific target populations, underserved communities or areas with limited resources, and/or support challenging unmet needs and diagnostic or treatment gaps. If applicable, applicants are expected to consider the potential regulatory impact of the anticipated project’s outputs and, as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence and for engaging with regulators and other bodies in a timely manner, e.g. EU national competent authorities, notified bodies for medical devices and in vitro diagnostic devices, health technologies assessment (HTA) agencies and the European Medicines Agency (EMA) through existing opportunities for regulatory support services such as the Innovation Task Force and qualification advice. As relevant, consideration should also be given to the Health Data Access Bodies that will be established under the forthcoming European Health Data Space Regulation 3 in the context of secondary use of data. Applicants should consider relevant existing initiatives/projects to ensure synergies and complementarities and avoid unnecessary overlap and duplication of efforts. The proposal should include a plan on how they propose to synergise with these initiatives. 1 Article 115 of the Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe 2

https://www.ihj.europa.eu/sites/default/files/flmng/IHI_Strategic_Research_and_Innovation_Agenda_3.pdf 3
https://www.europarl.europa.eu/doceo/document/TA-9-2024-0331_EN.pdf

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 - for a single-stage Call, the limit for RIA full proposals is 50 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - 5b. Evaluation and award: Submission and evaluation processes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes

5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP) specific conditions on Availability, Accessibility and Affordability (3A) apply to this topic JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 9 th Call for proposals full topics text is available here Evaluation form (Research and Innovation Actions - single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage calls) Proposal templates (Research and Innovation Actions - single stage and 2nd Stage of two-stage calls) : Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants, on the budget, information on Ethics and Security, as well as other type of questions (e.g. information on clinical studies). Please note that only Part A of this template is applicable for this Call. For Part B, see point below. Proposal template - Part B : IHI JU Proposal template (RIA/FP) - Part B Proposal Annexes : § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex, which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ’In-kind contributions to additional activities (IKAA)” is an IHI specific annex. The excel template can be found here and the instructions on how to fill in this template can be found here . This is an optional annex . § Annex: Essential information for clinical studies The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a is a compulsory annex and it must be uploaded as a separate document in the

submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . **§ Annex: Contributing partners** The applicant contributing partner must send the pdf of the final signed letter to the coordinator of their proposal. The coordinators are responsible for uploading the final application letters in the EU Funding and Tenders Portal along with the rest of the proposal documents, as a part of the wider proposal. If the proposal includes more than one contributing partner, the coordinator must prepare one pdf document containing all the contributing partners' application letters. For more information please consult: <https://www.ih.europa.eu/shape-our-future-research/become-contributing-partner> This annex is compulsory only in case your proposal includes contributing partners . **Model Grant Agreement (MGA)**

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act 'SBA' or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview


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Global call according to SRIA 2025

General Info

Topic ID : HORIZON-JU-CHIPS-2025-IA-two-stage

Summary : Global call according to SRIA 2025 **Status** : Open

Deadline model : two-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-IA-two-stage>

Description

Expected Outcome: A Chips JU Innovation Action (IA) primarily consists of activities aiming at technology or method introduction, pilot lines, test beds, demonstrators, innovation pilots and zones of full-scale testing. These activities produce plans and arrangements or designs for new, altered, or improved products, processes, methods and tools or services. For this purpose, they may include prototyping, testing, demonstrating, piloting, large-scale product validation and market replication. A ‘technology or method introduction’ aims at the development, testing, and implementation of new technologies, tools or methods, which are a critical element of innovative products, which will be created in subsequent projects. A ‘demonstration or pilot’ aims to validate the technical and economic viability of a new or improved technology, product, process, service or solution in an operational (or nearly operational) environment, whether industrial or otherwise, involving, where appropriate, a larger scale prototype or demonstrator. A ‘market replication’ aims to support the first application/deployment in the market of an innovation that has already been demonstrated but not yet applied/deployed in the market due to market failures/barriers to uptake. ‘Market replication’ does not cover multiple applications in the market of an innovation that has already been applied successfully once in the market. ‘First’ means new at least to Europe or new at least to the application sector in question. Often such projects involve a validation of technical and economic performance at system level in real life operating conditions provided by the market.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
5. Legal and financial set-up of the grants described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. HORIZON-JU-CHIPS-2025-IA ECS Global IA Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement .

Budget Overview

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Open-source EDA tools development

General Info

Topic ID : HORIZON-JU-CHIPS-2025-IA-EDA-two-stage

Summary : Open-source EDA tools development **Status** : Open

Deadline model : two-stage **Deadline** : 2025-04-29T00:00:00.000+0200 **Start Date** : 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-IA-EDA-two-stage>

Description

Expected Outcome: Results stemming from this call must be well documented and widely disseminated. Precise documentation, user manuals as well as video tutorials must be made available. Selected consortia must develop teaching materials and courses with open resources and examples based on the developed/improved open-source EDA tools, accessible to academic institutions across the EU and suitable for self-study by individuals. To this end, collaboration with initiatives such as EUROPRACTICE is encouraged. Consortia must actively engage with the Platform Coordination Team of the Chips Act's Design Platform to integrate their tools into the platform's design flows. Proposals must outline a clear strategy for engaging with relevant foundries to secure access to the required PDKs. Proposals should clearly specify the applicable OSI-approved open-source license for all results. Proposals must also include a sustainability plan for results following the end of the project. The three selected consortia must collaborate in their technical work where relevant. Joint communication and dissemination efforts are encouraged. The expected outcomes for each of the aforementioned streams are the following: Digital SoC design The overall ambition of this stream is to ensure a comprehensive and stable digital design flow in more mainstream nodes (65-28nm). Improvement of tools in more

mature nodes is also within scope of this stream. To this end a baseline for the quality of results currently achievable with current state-of-the-art open-source tools needs to be determined. ii. Analogue and mixed-signal design The overall ambition of this stream is the development of a full analogue/mixed-signal design flow. The emphasis should extend beyond improving existing tools to include the adoption of innovative approaches and new paradigms. iii.Productivity, interoperability, and verification The overarching aim of this stream is to enhance productivity by adopting innovative design approaches and ensuring seamless data exchange between tools. This will be complemented by the development of robust verification processes that accommodate diverse methodologies and effectively tackle the increasing complexity of modern chip design.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds described in Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. 5b. Evaluation and award: Submission and evaluation processes are described Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement are described Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU.
5. Legal and financial set-up of the grants described Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU and in Annex G of the Work Programme General Annexes. Call documents: HORIZON-JU-CHIPS-2025-IA-EDA-two-stage Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 2 Appendix 6 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: HE Programme Guide Multi Annual Work Programme 2023 - 2027 Chips JU HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Global RIA Call

General Info

Topic ID : HORIZON-JU-CHIPS-2025-RIA-two-stage

Summary : Global RIA Call **Status :** Open

Deadline model : two-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CHIPS-2025-RIA-two-stage>

Description

Expected Outcome: A Chips JU Research and Innovation Action (RIA) primarily consists of activities aiming to establish new knowledge and/or to explore the feasibility of a new or improved technology, product, process, service, method, tool or solution. For this purpose they may include applied research, technology development and/or method/tool and integration, testing and validation on a small-scale prototype in a laboratory or simulated environment. The activities have their centre of gravity at TRL 3-4. A RIA proposal is characterised by: Execution by a consortium that may consist of SMEs, large enterprises, universities, institutes, public organizations;Developing innovative technologies and/or using them in innovative ways;Targeting demonstration of the innovative approach in a relevant product, service or capability, clearly addressing the applications relevant for societal challenges;Demonstrating value and potential in a realistic lab environment reproducing the targeted application;Having a deployment plan showing the valorisation for the Chips JU ecosystem and the contribution to the Chips JU goals and objectives.In order to maximize effective implementation of the Chips JU top-level objectives, the list of RIA proposals to be retained for public funding shall constitute a balanced portfolio of projects developing innovative technologies (as defined in the ECS SRIA 2025 in the functional technology layers and cross-sectional technologies sections) and applying them in different domains (as defined in the ECS SRIA 2025 in key application areas section). The domains represent the demand side of technologies, and the development of new technologies represents the supply side of technologies.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
3. Other Eligible Conditions described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. 5b. Evaluation and award: Submission and evaluation processes are described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU.
5. Legal and financial set-up of the grants described in Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. and Annex G of the Work Programme General Annexes. HORIZON-JU-CHIPS-2025-RIA ECS Global RIA Model Grant Agreements (MGA) HE MGA Call-specific instructions Annex 1 Appendix 5 of the Multi Annual Work Programme of Chips JU. Information on financial support to third parties (HE) Additional documents: Multi Annual Work Programme 2023 - 2027 Chips JU HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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The European Capital of Innovation Awards (Rising)

General Info

Topic ID : HORIZON-EIC-2025-PRIZE-2-02

Summary : The European Capital of Innovation Awards (Rising) Status : Open

Deadline model : single-stage **Deadline** : 2025-06-18T00:00:00.000+0200 **Start Date** : 2025-03-20T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PRIZE-2-02>

Description

Expected Outcome: The European Capital of Innovation Awards aim to champion inspiring cases of municipality-enabled innovation flourishing in cities. The Awards are a prestigious recognition for city administrators who are courageous enough to open up their governance practices to experimentation, to boost innovation by all means, to be a role model for other cities, and to push the boundaries of technology for the benefit of their citizens. In addition to the monetary reward, the prize brings high visibility in the form of renewed public interest and increased media coverage. The award will raise the profile of the cities that have developed and implemented innovative policies; established frameworks that boost breakthrough innovation; enhanced the city attractiveness towards investors, industry, enterprises and talents; helped to open up connections and strengthen links with other cities, promoting the replication of best practices in the innovation field; enhanced citizens' involvement in the decision-making process; and supported cities resilience. **Objective:** The traditional city innovation ecosystem is opening to new models of innovation engaging citizens, ensuring their involvement in the decision-making process, and reinforcing democracy and rights. An increasing number of cities are acting as test beds for innovation and run people-driven initiatives to find solutions to societal challenges, such as climate change, digitalisation, sustainable growth or social cohesion, including through new endeavours such as nature-based solutions and EU Missions. The public domain is particularly challenged with finding effective ways to ensure the mainstreaming of these practices into the ordinary urban development process. Successful practices are particularly crucial to enhance the city's capacity to attract and retain new resources, funds and talents to stimulate the growth of breakthrough innovations. Moreover, collaboration and strengthening synergies among innovation ecosystems boost cities' development and resilience to tackle urban challenges and inspires many other cities follow a similar path. The New European Innovation Agenda sets out a vision for harnessing the power of innovation to drive economic growth, social progress, and contribute to the green and digital transition in Europe. The agenda emphasizes the need for strategic investments in key technologies, including deep tech, and for strengthening and better connecting innovation ecosystems through stronger collaboration between regions, to close the innovation divide. For this reason, the European Capital of Innovation Awards will recognize the cities' role as catalysers of the local innovation ecosystem and will stimulate new activities aimed at boosting game-changing innovation.

Conditions

General conditions

- 1. Admissibility conditions: Proposal page limit and layout** Applications must be submitted before 18 June 2025 – 17:00:00 CET (Brussels). Applications must be submitted electronically via the Funding & Tenders Portal Electronic Submission System (accessible via the Topic page in the Search Funding & Tenders section). Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System (NOT the documents available on the Topic page — they are only for information). Applications must be complete and contain all the requested information and all required annexes and supporting documents: Application form Part A — contains administrative information about the applicant organisations (to be filled in directly online) Application form Part B — contains the technical description of the application (to be downloaded from the Portal Submission System, completed and then assembled and re-uploaded as PDF in the system) Mandatory annex (to be uploaded as PDF file) : Each application must contain a specific endorsement to apply, signed by the city Mayor (or the equivalent highest political representative) of maximum 2 pages. The required level of representation has to be respected. Your application must be readable , accessible, printable . Applications are limited to maximum 30 pages (Part B). Evaluators will not consider any additional pages. You may be asked at a later stage for further documents (for legal entity validation, bank account validation, ethics review, declaration of honour, etc) . For more information about the submission process (including IT aspects), consult the Online Manual .
- 2. Eligible participants** The candidate towns and cities must be located in one of the EU Member In order to be eligible, the applicant has to be a city [1] and must comply with the following criteria: The candidate cities must be located in one of the EU Member States or Associated Countries to Horizon Europe . For the category of European Capital of Innovation , the candidate city must have a minimum population of 250 000 inhabitants. In countries where there are no such cities, the city coming closest to 250 000 inhabitants is eligible to apply for the European Capital of Innovation category, provided that it has a minimum population of 50 000 inhabitants and that the city is not applying at the same time for the European Rising Innovative City category. For the category European Rising

Innovative City, the candidate city must have a population comprised between 50 000 and 249 999 inhabitants [2]. In countries where there are no such cities, the largest city by number of inhabitants is eligible. [1] A city is a Local Administrative Unit or a group of Local Administrative Units where a majority of the population lives in an urban centre of at least 50 000 inhabitants. Local Administrative Units and their respective population figures should be those set out in the latest available validated or partially validated LAU correspondence table published by Eurostat (Local administrative units (LAU) - Eurostat (europa.eu)) at the time of the submission of the application. Local authorities may represent one city defined as a Local Administrative Unit, or a “greater city” or Metropolitan region, taking account of Functional Urban Areas when relevant. Legal entities with separate legal personality from cities, even if founded and funded by the cities, are not eligible to apply. [2] For population data in both categories, Eurostat will be the source of reference. For countries not covered by Eurostat, the Agency will perform specific checks when assessing the eligibility criteria, and might ask any concerned cities to prove they comply with this requirement.

3. Other eligibility conditions Winners of former European Capital of Innovation Awards editions, as well as runners-up of the edition 2024 are not eligible. This does not apply to previous finalist cities. Applicants that have already received an EU or Euratom prize cannot receive a second prize for the same activities. Joint applications by a group of applicants are not accepted and will be rejected as ineligible.
4. Financial and operational capacity and exclusion Described in article 7 of the rules of contest and on Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds If admissible and eligible, the applications will be evaluated and ranked against the following award criteria : award criterion 1: Experimenting – innovative concepts, processes, tools, and governance models proving the city's commitment to act as a test-bed for innovative practices, while ensuring the mainstreaming of these practices into the ordinary urban development process. award criterion 2: Escalating – promoting the acceleration of the different actors of the local innovation ecosystem, supporting growth of highly innovative start-ups and SMEs, establishing innovation friendly legal framework, creating an environment that stimulates growth and attracts private and public investments, resources, diversity and talents; and driving innovation demand through efficient innovation public procurement. award criterion 3: Ecosystem building – unlocking cities potential as local innovation ecosystem facilitators by fostering synergies among different innovation ecosystem players, from public, industry, startups, civil society, citizens to academia, to contribute to the development of an innovation ecosystem within the city. award criterion 4: Expanding – acting as a role model for other cities by supporting the dissemination and replication of tested solutions that boost the local innovation ecosystem; by promoting mutual learning, knowledge transfer and capacity building; and by enhancing cooperation and synergies between cities that are front-runners in driving the local innovation ecosystem, and those that are still exploring and testing their role as innovation enablers. award criterion 5: City innovative vision – applicants should demonstrate their long-term strategic vision/plan, highlighting the innovative initiatives that have positively contributed to the transformation of the city and which will further support the development of a sustainable and resilient innovation ecosystem ensuring the green and digital transition. award criterion 6: Citizens’ rights – the use of innovation to strengthen democracy, to protect citizens' rights, to foster social cohesion, and ensure integration with a special view on minorities, gender, disability, or race. Maximum points: 60 points. Individual thresholds: 6/10 points. Overall threshold: 36 points. Applications must pass both all the individual thresholds AND the overall threshold. The prize will be awarded to the applications ranked 1st, 2nd, and 3rd with the best scores in each category. Other applications will be rejected.
 - 5b. Evaluation and award: Submission and evaluation processes Applications will be subject to a formal evaluation by a jury in each category. If there are more than 60 applications in one category, there will be a pre-selection phase in that category to select the best 60 applications to pass to the jury review. Otherwise, all eligible applications will pass directly to jury review. The pre-selection panel and jury usually have a different composition, but jury members may participate in the pre-selection panel. The pre-selection panel/jury will evaluate each application against the award criteria. For applications with the same score, the pre-selection panel/jury will determine a priority order according to the following approach: the score for the criterion No 5 will be given a weight of 2 and the score for criterion No 2 will be given a weight of 1.5. If two or more applications still tie for any rank or category at the pre-selection phase, those applications will be admitted to the next phase of the evaluation. If two or more applications still tie for any rank or category at the jury review, those applications will be admitted to the hearings. The six best ranked applications in each category will be invited for a hearing with the jury in Brussels. This hearing may take place remotely. If two or more applications still tie for any rank or category, the prize will be equally divided and awarded to all applications with the same score. On the basis of the evaluation by the jury (and after the mandatory checks: ethics review, security scrutiny, legal entity validation, non-exclusion, double funding and plagiarism, etc), the awarding authority will decide on the award of the prize. All applications will be informed about the evaluation result (evaluation result letter). Successful applications will be awarded the prize; the not successful ones will be rejected. If you believe that the evaluation procedure was flawed, you can submit a complaint (following the deadlines and procedures set out in the evaluation result letter). Please note that notifications are deemed to have been accessed (and received) 10 days after sending and that deadlines will be counted from then (see also Funding & Tenders Portal Terms and Conditions).
 - 5c. Evaluation and award: Indicative timeline for evaluation The call is open until 18 June 2025 (17:00:00). The jury members will evaluate the proposals received between July and September. The hearings will take place in September –

October. Information on the evaluation results / award will take place in November - December 2025.

5. Legal and financial set-up of the grants Described in Annex G of the Work Programme General Annexes. Specific conditions Specific conditions are described in the rules of contest . Call documents: Rules of contest Application forms: Standard application form — Download the mandatory word template from the Submission System Additional documents: EIC 2025 Work Programme HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 13. General Annexes EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Women Tech.EU initiative

General Info

Topic ID : HORIZON-EIC-2025-WOMENTECH

Summary : Women Tech.EU initiative **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-02T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-WOMENTECH>

Description

Expected Outcome: The consortium selected under this call is expected to Implement the Women TechEU initiative, covering the following activities: – Ensure the sound design, organisation and management of the Women TechEU, ensuring continuity of the initiative; – Implementing calls for proposals and organizing the evaluation of proposals and award of support to successful applicants. The call should use, where appropriate, the same evaluation criteria as for the EIC Accelerator; – Create linkages with the Business Acceleration Services (BAS) for the Women Leadership Programme and EIC Community Platform to selected applicants; – Implement project reviews of awardees as a basis to access the Fast Track to the EIC Accelerator; – Communicate and promote the scheme in order to secure quality applications; – Organise landmark events, building a network of Women TechEU grantees, and help them to connect with the overall EIC community; – Promote cooperation and networking activities among the community of women entrepreneurs in the deep tech field; – Promote a diversity in geographical participation and technological areas to be covered by the scheme; – Report on the implementation of the scheme (key data on applications, evaluation, start-ups funded, demographics of end-beneficiaries of the scheme, etc.) to European Commission services. Scope: The Women TechEU Initiative is designed to support early-stage women-led deep-tech startups, addressing gender gap in the tech industry and fostering more diverse startup ecosystem across Europe. The initiative aims to enhance the competitiveness of women-led companies addressing critical societal challenges. By empowering women entrepreneurs, Women TechEU supports early stage deep-tech companies, paving the way for the participation of women-led start-ups in future EIC calls. The Women TechEU initiative supports European early-stage deep tech start-ups, registered and established in an EU Member State or Horizon Europe Associated Country for at least six months at the time of the submission, founded or co-founded by women, holding a top management position (chief executive officer (CEO), chief technology officer (CTO), chief scientific officer (CSO), or equivalent). All deep tech domains are eligible, with the emphasis being on overall gender balance and the position held by women in the start-up. This call supports early-stage women-led companies which have not received substantial financial support. The women-led startups must respect the above

conditions to be eligible for financial support to third parties under this action. The consortium should consider a project duration of two (2) years, with a possibility to extend the grant for another year, subject to achieving the key milestones of the project. The consortium should foresee at least two calls for proposals per calendar year. The consideration of multiple cut-off dates is encouraged. Beyond providing funding to women-led deep tech start-ups, proposals under this topic should include a sound promotion and communication strategy of the programme (especially in underrepresented Member States), clearly brand the scheme as an EIC initiative, including but not limited to, through information and dissemination events, press and outreach events, or roadshows. The consortium will provide financial support to the third parties in form of grants. The consortium must allocate at least 75% of the total proposed budget to financial support to third parties. The maximum amount to be granted to each third party is EUR 75 000. The grants aim to finance supporting activities of the selected companies such as evaluating and refining products/services, design, user experience, upgrading the business model, updating the business plan and growth strategy, finding partners and investors, market validation, etc. Women TechEU third parties will be eligible for mentoring and coaching provided by the BAS, under the 'Women Leadership Programme', which includes dedicated networking and pitching events funded under a separate EIC budget.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout are described in Annex 2 (A. Admissibility) of the EIC Work Programme 2025 . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries are described in Annex 2 (B. Eligibility) of the EIC Work Programme 2025 .
3. Other Eligible Conditions are described in Annex 2 (General conditions for proposals) of the EIC Work Programme 2025 .
4. Financial and operational capacity and exclusion described in Annex 2 (C. Financial and Operational Capacity) of the EIC Work Programme 2025 . 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex 2 (D. Award criteria) of the EIC Work Programme 2025 . 5b. Evaluation and award: Submission and evaluation processes are described in Annex 2 (F. Procedure) of the EIC Work Programme 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement are described in are described in Annex 2 (F and G) of the EIC Work Programme 2025 . The granting authority can fund a maximum of one project.
5. Legal and financial set-up of the grants are described in Annex 2 (G. Legal and financial set-up of the grant agreements) of the EIC Work Programme 2025 . The consortium will provide financial support to the third parties in form of grants. The consortium must allocate at least 75% of the total proposed budget to financial support to third parties. The maximum amount to be granted to each third party is EUR 75 000. The grants aim to finance supporting activities of the selected companies such as evaluating and refining products/services, design, user experience, upgrading the business model, updating the business plan and growth strategy, finding partners and investors, market validation, etc. Specific conditions FINANCIAL SUPPORT TO THIRD PARTIES Where the specific call/topic conditions allow for financial support to third parties, the applicants must clearly describe in their proposal the objectives and the expected results, including the elements listed in the application template. The following conditions must also be fulfilled: projects must publish their open calls widely and adhere to EU standards of transparency, equal treatment, conflict of interest and confidentiality; all calls for third parties and all calls that are implemented by third parties must be published on the Funding & Tenders Portal, and on the beneficiaries' websites; the calls must remain open for at least 2 months; if submission deadlines are changed, this must immediately be announced and registered applicants must be informed of the change; projects must publish the outcome of the calls without delay, including a description of third-party projects, the date of the award, the duration, and the legal name of the third party and country of establishment; the calls must have a clear European dimension. EIC Work Programme 2025 Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System Standard application form (HE CSA) Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreements (MGA) HE MGA Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Bio-based drop-ins/smart drop-in platform chemicals, via cost-effective, sustainable and resource-efficient conversion of biomass

General Info

Topic ID : HORIZON-JU-CBE-2025-IAFlag-02

Summary : Bio-based drop-ins/smart drop-in platform chemicals, via cost-effective, sustainable and resource-efficient conversion of biomass **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IAFlag-02>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan , the EU Industrial strategy , as well as and the co-implementation of the Transition Pathway for the chemicals industry . Projects results are expected to contribute to the following expected outcomes: Full-scale biorefinery and related value chain(s) for the sustainable large-scale production of bio-based drop-in platform chemicals. Availability of bio-based products meeting market and technical performance requirements, hence also facilitating the market uptake of bio-based solutions. Significantly improved sustainability, strategic autonomy, resilience and competitiveness of the European chemical industry and with impact also in other downstream sectors. Reduction of the fossil feedstock dependence of chemicals production and minimise biomass imports dependencies of the bio-based industries. Increased value for society, in terms of direct and indirect employment at local and regional levels Scope: Overall, bio-based platform chemicals, according to their chemical structure, can be classified as dedicated and drop-ins. [1] Drop-in and smart drop-in chemicals are compatible with downstream value chains and thus have a theoretically lower market entry barrier compared to novel molecules. However, they have to face direct competition with their fossil-based counterparts, thus needing economies of scale and related large CAPEX investments to be competitive. Proposals under this topic should: Demonstrate cost-effective, robust, sustainable, large-scale production processes for obtaining bio-based drop-in (including smart drop-in) platform chemicals at end TRL: 8. Both upstream and downstream process aspects are in scope. Bio-based drop-in platform chemicals should be analogues of fossil-based chemicals that are not substances of very high concern (SVHCs). Target resource efficiency, minimisation of the E-factor (process waste), as well as process safety aspects. The cascading valorisation of secondary biomass and residual streams is also in scope. Demonstrate the further conversion and integration of produced chemical(s) into market-relevant final product(s) (reaching an end TRL 6 or higher). In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 Specific requirements of the CBE JU Annual Work Programme 2025 [2] , proposals under this topic should: As part of the Multi-Actor Approach (MAA), ensure adequate involvement of key actors most relevant for achieving the objectives of the project from across the sustainable circular bio-based system, including B2B end-users and feedstock providers. Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission for the assessment of the platform chemicals' production process as well as the chosen final products derived from the drop-in platform chemicals. Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [3] Address compliance with regulatory frameworks, considering the targeted platform chemical(s) and related impurities' type and concentration. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020/Horizon Europe (Cluster 6 and Cluster 4) and BBI JU/CBE JU projects. [4] [1] See definitions in the glossary of the CBE JU Annual Work Programme 2025 (<https://www.cbe.europa.eu/reference-documents>). [2] <https://www.cbe.europa.eu/reference-documents> [3] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities

related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection. [4] For example: projects AFTERBIOCHEM, URBIOFIN, BIOFOREVER, OPTISOCHEM, PROMOFER. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025
Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025
Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA)
Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU
Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction
HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme
2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity
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Budget Overview

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Sustainable macroalgae systems for innovative, added-value applications: cultivation and optimised production systems

General Info

Topic ID : HORIZON-JU-CBE-2025-IA-01

Summary : Sustainable macroalgae systems for innovative, added-value applications: cultivation and optimised production systems **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-18T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IA-01>

Description

Expected Outcome: Successful proposals will contribute to EU Initiative on Biotech and Biomanufacturing , the EU Bioeconomy Strategy and its action plan, as well as the Zero Pollution Action Plan , the implementation of the EU strategy for a Sustainable Blue Economy and address the EC Communication ‘Towards a Strong and Sustainable EU Algae Sector’ . Significant contribution is also expected to the objectives of the Mission " Restore our Ocean and Waters by 2030 " in particular to Objective 3: "Make the blue economy carbon-neutral and circular". Projects results are expected to contribute to the following expected outcomes: Proven industrial scalability potential of sustainable cultivation, pretreatment and valorisation options for macroalgae species. [1] Novel bio-based product(s) and viable business opportunities for bio-based applications from cultivated macroalgae. Socio-economic benefits with demonstrated potential for job creation and/or preservation (e.g. in case of declining blue economy professions). Demonstrated environmental sustainability, encompassing biodiversity and water quality preservation and/or enhancement, and, when applicable, restoration. Scope: Whether exploiting its biomass or genetic potential, the aquatic environment may play a major role in a sustainable bioeconomy. It may help reduce pressure on land and contribute in a sustainable and more diverse manner with the supply of sustainable biomass for food, feed and other industry applications. Design and engineering principles for marine biorefining are less developed compared to biorefineries for terrestrial crops. The development of sustainable, stable and scalable cultivation technologies, as well as addressing sustainable and cost-efficient harvesting, product extraction and biorefinery processes, represent the main challenges of algal biotechnology for production of high-value or bulk products. At the same time, care must be taken to avoid any detrimental effect on marine ecosystems and biodiversity from macroalgae cultivation (especially when carried out in open environments), even contributing to their regeneration. Proposals under this topic should: Select and optimise macroalgal feedstock [2] (both naturally occurring and modified varieties are in scope), focusing on applications with high market potential. Capitalise on existing data, infrastructures, and knowledge. In line with the EU Algae Initiative,

harvesting macroalgae from the wild is excluded, as the topic focuses on cultivation. Demonstrate cultivation in suitable and scalable sustainable systems, aiming at high biomass yield, optimised production parameters (e.g. light, O₂, CO₂, nutrients, pH, temperature, seasonal variations). Cultivation in open environment and/or in closed systems are both in scope. Multitrophic and mixed cultivation approaches (e.g. multiple algae species, algae and fish/shellfish farming etc) are also in scope, as well as algae-mediated remediation and the use of nature-based solutions. Demonstrate further sustainable biomass processing and conversion steps into added value bio-based product(s). Maximize the resource / energy efficiency across the value chain. Integration with renewable energy sources can be considered. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [3], proposals under this topic should: Ensure environmental safety and avoidance of environmental risks, including monitoring and mitigation measures during the project. In particular, the environmental assessment must also include aspects such as biodiversity protection and possible enhancement, avoidance of invasiveness, and toxicity, carbon sequestration and nutrients loads. Include a task to assess public perception and acceptance of the demonstrated value chains, related, e.g. to (potential) impact of large-scale macroalgae production on land and marine ecosystems. As part of the Multi-Actor Approach (MAA), include relevant local/regional authorities, to address coastal governance aspects, as well as end-users and consumers, when targeting B2C products. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and BBI JU / CBE JU projects. [4] Establish synergies with the European Algae Stakeholder Platform (EU4Algae) and capitalise on its EU Algae projects database. [1] EU-native species in open environments, while non-native species may be supported in closed systems [2] Within this topic, macroalgae, seaweed and marine plants, such as seagrass, are in scope. [3] <https://www.cbe.europa.eu/reference-documents> [4] For example, BBI/CBE projects ALEHOOP, BIOSEA, MACRO CASCADE, PROTEUS, PROMISEANG and Horizon Europe projects AlgaePro BANOS, LOCALITY - The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025 Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025 Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Cost-effective and robust continuous biotech bio-based processes

General Info

Topic ID : HORIZON-JU-CBE-2025-IA-04

Summary : Cost-effective and robust continuous biotech bio-based processes **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IA-04>

Description

Expected Outcome: Successful proposals will contribute to the EU Initiative on Biotech and Biomanufacturing , the implementation of the EU Bioeconomy Strategy and its action plan, the Circular Economy Action Plan , the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan , as well as the EU Industrial strategy . Projects results are expected to contribute to the following expected outcomes: Increased scale-up potential and sustainability of biotech processes to produce bio-based chemicals, materials

and/or ingredients, contributing to increased competitiveness of industrial biotech in EU. Increased and stable productivity and selectivity compared to benchmark batch/fed-batch process(es), if available at industrial scale. Purity of end-product(s) in line with application requirements. Scope: Many bio-based chemicals/products are manufactured via biotech batch or fed-batch processes at commercial scale, which despite being easier to be controlled and scaled-up, often result into lower productivity, higher equipment downtime and increased costs. Continuous biotech processes could represent promising emerging alternatives in biorefineries targeting high productivity and reduced costs. Despite having achieved significant advancements in some cases, there are still challenges to overcome towards scaling-up, such as: contamination risks, genetic instability of cells, maintaining simultaneously high production titer, productivity and yield, lack of capability of further downstream processing (DSP) to handle flow and concentration variations from upstream process, advanced monitoring and control. Proposals under this topic should: Identify the existing bottlenecks in the switch to continuous process(es), how the proposed innovative approach can overcome challenges of targeted process(es), which are currently only operating in batch or fed-batch mode, and specify the advantages of switching to continuous. Demonstrate continuous biotech process(es) (microbial, cell factories and/or enzymatic) for the sustainable production of bio-based chemicals, materials and/or ingredients [1] addressing identified bottlenecks. Together with addressing continuous upstream processing (encompassing biocatalysis optimisation), demonstrate integration of efficient DSP systems to achieve high purity, in compliance with final applications requirements, while also facilitating/not hindering the continuous upstream operation. Focus on one or more bio-based chemicals, materials and/or ingredients with high market potential. Address resource/energy efficiency and circularity by applying process intensification and by valorising upstream and downstream side-streams (e.g., water, fermentation media, exhausted cells, etc...). In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [2], proposals under this topic should: Implement on-line monitoring and control systems including (if relevant) advanced AI/digital tools. Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission. Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework [3] Ensure complementarities with past and ongoing R&I projects, including projects funded under Horizon 2020 / Horizon Europe and by the BBI / CBE JU [4]. [1] Food/feed ingredients other than proteins are in scope (for proteins production, see also HORIZON-JU-CBE-2025-IA-04 Scaling-up nutritional proteins from alternative sources). [2] <https://www.cbe.europa.eu/reference-documents> [3] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection [4] For example, from H2020: ROBUSTOO, CirculH. For BBI/CBE JU: Zest, PROMOFER, FLEXIZYME, GoodByO. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.
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 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding &

Budget Overview

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SSbD bio-based polymers/copolymers unlocking new market applications

General Info

Topic ID : HORIZON-JU-CBE-2025-IA-05

Summary : SSbD bio-based polymers/copolymers unlocking new market applications **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan , the EU Industrial strategy , as well as the co-implementation of the Transition Pathway for the chemicals industry . Projects results are expected to contribute to the following expected outcomes: Availability of broader range of SSbD bio-based (co-)polymers meeting market requirements. Improved or novel properties unlocking novel applications and/or market sectors. Improved sustainability, safety and circularity when compared to selected benchmarks. Improved social acceptance of bio-based products in the transition to sustainable materials. **Scope:** There is a strong annual growth rate in the global market share of bio-based polymers and co-polymers; albeit still representing a small fraction of the total market volumes. There is a need to scale up the most promising and innovative solutions to demonstrate the safe, sustainable, cost-competitive, and circular production of bio-based (co)polymers with high bio-based content and adequate performances. This is essential to unlock market opportunities in sectors where bio-based polymers are currently underrepresented. Bio-based polymers and/or co-polymers are in scope. Proposals under this topic should: Demonstrate (at end TRL: 6-7) the production of bio-based (co-)polymeric structure(s) with market potential and functional properties at least on par with fossil-based counterparts (if any) and/or higher than bio-based benchmarks (if any). Adding new functionalities compared to benchmarks is also in scope. Address resource efficiency measures to achieve process costs reduction and higher sustainability, as for example reduction of primary energy consumption, water recycling, (bio)-catalyst recycling, side-streams/by-products valorisation, etc. Validate (at minimum at end TRL 5) the targeted (co-)polymeric structure(s) into end products proving to meet market requirements. Ensure (co-)polymer(s) processability and compatibility with downstream conversion route(s) into end products, targeting at least two application sectors. The development of bio-based composites as end products is not in scope. Eco-design the bio-based (co)polymeric structure and related end product(s) to address sustainable End of Life. Validate the selected EoL option(s) of the (co)-polymeric structure at minimum at TRL 5. Address compatibility with existing EoL-frameworks and/or propose necessary changes/adaptations. Landfilling/incineration are not in scope as EoL options. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [1] , proposals under this topic should: Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission for the polymer formulation(s). Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [2] Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and BBI/CBE JU. [3] [1] <https://www.cbe.europa.eu/reference-documents> [2] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection. [3] For example, BBI-JU: BIOMOTIVE, EFFECTIVE, VEHICLE; CBE-JU: ELLIPSE, HICCUPS, PROMOFER. The list is not exhaustive.

Conditions

General conditions

1. **Admissibility Conditions:** Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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Tenders Portal Privacy Statement

Budget Overview

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Develop and deploy new curricula and knowledge exchange practices relevant to bio-based systems

General Info

Topic ID : HORIZON-JU-CBE-2025-CSA-01

Summary : Develop and deploy new curricula and knowledge exchange practices relevant to bio-based systems **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-CSA-01>

Description

Expected Outcome: Proposals under this topic are expected to contribute to EU Initiative on Biotechnology and Biomanufacturing , EU Bioeconomy Strategy and its action plan, as well as the Zero Pollution Action Plan , the implementation of the EU strategy for a Sustainable Blue Economy and the CBE JU Widening Strategy and Action Plan. Projects results are expected to contribute to the following expected outcomes: Developed and validated curricula, related to skills’ development for the sustainable bio-based systems and increased circularity. Deployment of EU-wide actions supporting the acquisition of new skills, as relevant for the sustainable and circular bio-based systems. Scope: Collaboration between university/higher education and industry is a necessary condition for innovation and essential for greater competitiveness of the circular bioeconomy sector(s). Besides technical/technological development, training and re/up/skilling of (future and present) bioeconomy professionals is essential. Key skills could include digital skills, biotech/biomanufacturing, environmental sustainability assessment and circularity, toxicology/risk assessment, ecodesign and safe-and-sustainable-by-design (SSbD) concept for bio-based products, business development, process development etc. Soft skills and cross-sectorial skills remain an important aspect, as well as overall open-mindedness to new knowledge, points of views and cultural differences. The scope of this topic covers higher education, vocational training, as well as post-graduate and executive courses, as relevant for training students and reskilling and upskilling adult professionals, as needed for the emerging circular bio-based economy. Proposals under this topic should: Establish a network of industry and universities/RTOs. Ensure engagement of stakeholders from the ‘Widening’ countries [1] and make sure that their specificities and needs are incorporated in the development and testing of the curricula. Mutual learning from/to rural and coastal/blue bioeconomy [2] , including primary producers, should also be considered. Mobilise the network to co-create a set of curricula for education, training and retraining/reskilling/upskilling of students and professionals in the field of circular bio-based systems. Curricula should include both STEM and SSH disciplines. Capitalise on any best practices and success stories, available also at international level. Test the implementation of the developed curricula with pilot groups of students and professionals. Some of the training methodologies that may be considered are laboratory practices, field work, internships, simulation, case studies, problem-based learning, supervised projects, vocational training, online classes/webinars etc. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [3] , proposals under this topic should: Consider synergies and links with existing initiatives such as the European Bioeconomy University Alliance (European Bioeconomy University – Driven by demand, accomplished by intellectual leadership), the pact for skills agenda [4] , actions linked with the BIOEAST Initiative F, as relevant. Liaise with biotech industrial clusters and Regional Innovation Valleys, as relevant [5] . Establish links with the CBE project NEBA Alliance . Link to calls and initiatives under Horizon Europe and related partnerships, as appropriate, to create synergies with their curricula and training activities, including the upcoming Advanced Materials Academy. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and BBI/ CBE JU [6] . [1] in view of the CBE JU Widening Strategy and its Action Plan, and ensuring synergies with the call HORIZON-JU-CBE-2024-CSA-02 ”Mobilize inclusive participation in bio-based systems and supporting the CBE JU widening strategy and its action plan” [2] In this context, consider the contribution to the objectives of the Mission “Restore our Ocean and Waters by 2030” [3] <https://www.cbe.europa.eu/reference-documents> [4] Pacts for skills agenda-agri-food [5] Biotech industrial clusters and Regional Innovation Valleys can, thanks to the close collaboration centres, allow industry to advise universities on the design of the curricula and content for biotech related higher education courses, so that they can better adjust to the needs of EU biotechnology and biomanufacturing companies. [6] For example, BIOBEC, Biogov.net, ENGAGE4BIO and Talent4BBI.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application

- Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
 3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
 4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
 5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE CSA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025

Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Call for 3-year Framework Partnership Agreements to support European networks active in the area of facilitating and promoting judicial cooperation in civil and/or criminal matters and/or in the area of access to justice

General Info

Topic ID : JUST-2025-JCOO-JACC-OG-FPA

Summary : Call for 3-year Framework Partnership Agreements to support European networks active in the area of facilitating and promoting judicial cooperation in civil and/or criminal matters and/or in the area of access to justice

Status : Open

Deadline model : single-stage **Deadline :** 2025-06-26T00:00:00.000+0200 **Start Date :** 2025-02-19T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JUST-2025-JCOO-JACC-OG-FPA>

Description

Objective: This call aims to establish 3-year Framework Partnership Agreements with European networks whose statutory aims are to facilitate and support judicial cooperation in civil and criminal matters and/or access to justice for all. The annual operating grants to be signed on the basis of these Framework Partnership Agreements will enhance the capacities of these networks to contribute actively to the development and implementation of the EU policies in these areas.

Conditions

Conditions

1. Eligible Countries As described in the call document (see "List of participating countries" - section 6 "Eligibility").
2. Eligibility and admissibility conditions As described in the call document .
3. Proposal page limits and layout Please refer to Part B of the Application Form available in the Submission System.
4. Evaluation Evaluation criteria, scoring, threshold and process are described in the call document .
5. Indicative timeline for evaluation and grant agreement As described in the call document (section 4 "Timetable and deadlines"). Call document and annexes: Call document Application form templates Standard application form (JUST FPA OG) — the application form specific to this call is available in the Submission System Declaration on Honour regarding CPP by public entities Model Grant Agreements (MGA) Framework Partnership Agreement FPA Additional documents: Regulation establishing the Justice Programme 2021/693 JUST Work Programme 2023-2025 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview


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Circular-by-design fibre-based packaging with improved properties

General Info

Topic ID : HORIZON-JU-CBE-2025-IAFlag-03

Summary : Circular-by-design fibre-based packaging with improved properties **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IAFlag-03>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the Circular Economy Action Plan , the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan , the EU Industrial strategy , the EU Biodiversity strategy 2030 , the Regulation on Deforestation-free Products and the proposal for a Packaging and Packaging Waste Regulation as well as the Eco-design for sustainable products regulation . Projects results are expected to contribute to the following expected outcomes: Full-scale manufacturing facility and related value chain(s) for the sustainable large-scale production of fibre-based packaging. Availability of a broader range of circular bio-based packaging products meeting market requirements (depending on specific application), ensuring end-users acceptance. Improved sustainability, safety and circularity of packaging with respect to existing fossil and/or bio-based benchmarks. Increased value for society, in terms of direct and indirect employment at local and regional levels. Scope: The packaging industry is facing several challenges in terms of material supply, sustainability, legislation and market dynamics. In particular, the environmental impact of packaging products is a source of concern, especially in relation to the use of fossil-based plastics: over 40% of the plastic produced worldwide is for packaging, but its recycling rate is still very low [1] . Fibre-based packaging products already represent the most common packaging materials in the EU (40%), followed by plastic (19%), and have well-established recycling routes. New production technologies are emerging, yielding fibre-based packaging materials with improved or novel properties enabling their wider use which could lead to a replacement of current incumbents with more circular and sustainable fibre-based alternatives. In order for this to happen, a substantial scale-up of production processes is needed to enable fibre-based packaging with competitive performance and cost. Proposals under this topic should: Scale-up (at end TRL: 8) production technologies and deploy the complete value chain to fibre-based packaging materials, with improved or novel properties (over specified bio-based and/or non-bio-based benchmark), addressing relevant market applications. Consumer / industrial primary, secondary and/or tertiary packaging products are in scope. Fibre-derived packaging is also in scope. Demonstrate (at end TRL: 8) the application of targeted fibre-based materials into end packaging products, proving to meet market requirements. The use of bio-based add-ons (e.g., additives, coatings, adhesives, films, etc...) to improve properties of the fibre-based materials and/or end packaging product(s) is also in scope - proven that they are not hindering targeted End of Life and that fibre-based materials are the main component of the packaging; Design the packaging products for circularity and validate their sustainable end-of-life at relevant scale (TRL6 and above). Recycling, reuse and/or remanufacturing are all in scope. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [2] , proposals under this topic should: Consider end-users/consumers perception, behaviour and preferences across the different steps of products' lifecycle: product design, use and end-of-life. Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission . Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [3] Include a task to address the regulatory status of the demonstrated packaging product(s) [4] and their safety for the intended use. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020/Horizon Europe and

BBI JU/CBE JU. [1] lower than 10%, source: OECD [2] <https://www.cbe.europa.eu/reference-documents> [3] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection [4] With specific reference to the proposal for a Packaging and Packaging Waste Regulation . On 4 March 2024, the Parliament and Council reached a provisional agreement on the proposed Regulation .

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025 Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025 Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Bio-based and biodegradable delivery systems for fertilising products to reduce microplastics pollution & promote soil health

General Info

Topic ID : HORIZON-JU-CBE-2025-RIA-02

Summary : Bio-based and biodegradable delivery systems for fertilising products to reduce microplastics pollution & promote soil health **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-RIA-02>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and the updated EU Industrial strategy . Moreover, successful proposals will deliver significant contribution to the R&I Missions ‘A Soil Deal for Europe’ , in particular objectives ‘Reduce soil pollution and enhance restoration’ , as well as Mission " Restore our Ocean and Waters by 2030 " in particular ‘Prevent and eliminate pollution of our oceans, seas and waters’ (including microplastics). In addition, there is an expected contribution on the delegated act introducing biodegradability criteria for polymers (such as coating agents) in the context EU fertilising products regulation . Projects results are expected to contribute to the following expected outcomes: Scalable, safe and sustainable bio-based biodegradable delivery systems of fertilising products, with potential spillover effect on other additional inputs (such as pesticides and seeds) applicable to agriculture, with the potential of replacing conventional delivery systems, as reliable alternatives for farmers. Enhanced understanding of the biodegradation process, control factors of biodegradable delivery systems of fertilising products and their impact on plant development, on soil health (including soil microbiome) and water. Enabling the creation of new value chains incorporating biodegradable delivery systems at regional/local level with increased synergies between farmers and bio-based industries. Scope: The presence of microplastics in soil has been reported to alter soil organic matter content, pH, electrical conductivity and organic carbon storage. It is estimated that 8 000 tonnes of polymers are used annually in the EU in polymer coated fertilisers (PCF) [1] . PCF can be used as additives to improve physical properties of fertilisers or to produce slow/controlled release fertilisers (SRF/CRF). CRFs help synchronise nutrients release according to crop needs, increasing efficiency and reducing losses to the environment. Non-biodegradable plastics accumulate in the ecosystem, can be assimilated by animals and can be ultimately consumed

as food by humans. [2] Each year around 42 000 tonnes of microplastics end up in the environment. Polymer coated fertilisers have been identified by FAO as high priority in terms of risk of microplastic release. Bio-based biodegradable polymers may be an alternative to conventional non-biodegradable plastics. However, more research is needed to develop such biodegradable delivery systems and validate them while assessing improvements associated to microplastics release prevention. Proposals under this topic should: Develop circular and sustainable production processes for novel bio-based and biodegradable delivery system(s) for fertilising products. In addition, assess the applicability/adaptability of the delivery system(s) to additional possible agricultural inputs such as pesticides and seeds. Validate the delivery system(s) for fertilising products (lab-scale and/or small-scale field trials), ensuring agronomic efficiency, safety, scalability and sustainability with similar or improved properties compared to conventional systems. Assess the long-term effect and biodegradability of delivery system(s) when applied in natural soil conditions, applying standard tests, methods and protocols. Biodegradability-related aspects should also be monitored and assessed in fresh, estuarine or marine water (considering the risk of dispersion in water). [3] In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [4], proposals under this topic should: Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission considering the delivery systems and their decomposition products (including microplastics), and taking into account different farming systems (including organic agriculture). Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [5] As part of the Multi-Actor Approach (MAA), engage with farmers to develop, co-create and test the newly established delivery systems and analyse the effects on plant development, soil health and water. Ensure complementarities past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020/ Horizon Europe under Mission Soil and relevant and by BBI/CBE JU. [6] [1] Assessment of agricultural plastics and their sustainability: A call for action (fao.org) 2021 [2] Microplastics – ECHA europa.eu [3] https://eur-lex.europa.eu/eli/reg_del/2024/1682/oj [4] <https://www.cbe.europa.eu/reference-documents> [5] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection [6] For example, projects such as: ARAGORN, EDAPHOS and ISLANDR. And CBE-JU projects funded under the topic CBE-2023-IA-02, CBE-2024-RIA-03, CBE-2024-IA-01. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025

Budget Overview

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Further Technological development of Maglev-derived Systems

General Info

Topic ID : HORIZON-ER-JU-2025-FA7-01

Summary : Further Technological development of Maglev-derived Systems **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-07T00:00:00.000+0200 **Start Date :** 2025-02-26T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-ER-JU-2025-FA7-01>

Description

Expected Outcome: Based on current trends and forecasts, the number of passengers will significantly increase in the upcoming decades and the existing transport modes may face capacity limitations without infrastructure investments. Emerging technology for guided transport systems could be a complementary solution for the increased demand, increasing also the availability of sustainable transportation solutions. This topic seeks to enhance the existing railway

system by exploring the integration of maglev-derived technologies into existing railway infrastructures to reinforce railways as the backbone of the trans-European multimodal transport network by increasing its capacity and performances. The technical approach to be developed could support the enrichment of the railway system through the integration of maglev-based solution into the existing infrastructure following a principle of overlapping technological layers. This integration aims to implement technological, functional and performance upgrades to existing lines and to ensure interoperability of vehicles with both the magnetic and traditional infrastructure by preserving the flow of traditional trains on the existing railway corridor. This call addresses potential solutions which could support solving current transport challenges and make the current rail system more performant by introducing Maglev-Derived transport systems (MDS). Building upon the results of Europe's Rail MaDe4Rail [<https://www.rfi.it/en/Network/in-europe/MaDe4Rail.html>] project, this call aims to further assess and propose solutions on the technical open points of maglev derived technologies. In addition, further develop the design concept based on the most promising use cases while tackling the technical issues and analyse the economic viability of the system and propose a full scale fully automated MDS application concept. The Project stemming from this topic shall address all the following work streams and is expected to provide all the following: Work stream 1: Configuration design development This workstream should assess the technical open points defined by the previous project MaDe4Rail and assess the feasibility of use of MDS on the TEN-T lines equipped with ETCS. This shall encompass further analysis of the CCS, communication and infrastructure components with special attention to the balises, radio communication system, odometry and train detection systems. The installation of MDS has an impact on the maintenance processes, further assessment shall be carried and propose adaptation of the existing processes considering the installation of the linear motor. Work stream 2: Testing and validation To run MDS on traditional railways, it is essential that the system is compliant with Technical Specifications for Interoperability (TSI). This workstream shall verify MDS component compliance with TSI specifications through compatibility tests and simulations, also evaluating the potential impact of MDS systems on standards and TSI and the potential evolution of the system or the requirements. If MDS is expected to run on the TEN-T network, compatibility with Eurobalises and the track geometry are prerequisites. Based on the outcome of WS1 and from the testing, the technical and economical variability of the system shall be analysed. At the end of this workstream, a detailed concept architecture (TRL5) for a 1:1 scale MDS demonstrator is expected to be delivered. Scope: The project shall contribute to deliver the expected outcomes and the work of the project should foresee: Work stream 1: Configuration design development Advanced design concept of technical enablers and basic technologies supporting maglev-derived systems (TRL3) to address the following open points. The work should be based on the results coming from MaDe4Rail: Assess the geometric and electromagnetic compatibility for railway infrastructure; Assess the effective max safe, tolerable speed increase in curves, by adjusting cant and cant deficiency through levitation; Assess the track infrastructure adaptation for forces added by new propulsion systems; Assessment of track maintenance procedures to allow the use of linear motors between the rail considering the maintenance regimes, devices to be used and local maintenance regulations. Work stream 2: Testing and validation Based on the results from work-stream 1, test full functionality, performances and safety of an MDS in a laboratory environment up to in relevant environment (TRL5/6). This shall include test related to electromagnetic compatibility test of the balise and the MDS and test of MDS in level-crossing and switches. Evaluation the technical and economical feasibility based on the test results; Identify the gaps and the potential topics for standardization on safety and security, including impact on existing regulation, in particular on the rail Technical Specification for Interoperability; Based on the results of Workstream 1 and 2, propose a detailed architecture concept (TRL5) of a full 1:1 scale fully automated Maglev-derived system including detailed technical, safety, security and performance requirements. Interactions with other EU-RAIL projects: The System Pillar will deliver a new functional system architecture for the railway system, which will have an impact on the overall system design, including its interfaces between sub-systems. The action to be funded under this topic should interact with the System Pillar and shall take into consideration the work to be released by the System Pillar and its evolution. Gender dimension In this topic the integration of the gender dimension (sex and gender analysis) in research and innovation content is not a mandatory requirement.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout Regarding admissibility conditions and related requirements, part A of the Horizon Europe Work Programme 2023-2025 General Annexes applies, with the following exception: the limit for a full Innovation Action application is set to 120 pages. described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds The granting authority can fund a maximum of one project. are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes The award criteria included in part D of the General Annexes of the Horizon Europe Work Programme 2023 – 2025 are complemented with additional criteria as specified in Annex VIII to this Work Programme. are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025) [[This decision is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under ‘Simplified costs decisions’ or through this link: https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/ls-decision_he_en.pdf]]. The starting date of grants awarded under this topic may be as of the submission date of the application. Applicants must justify the need for a retroactive starting date in their application. Costs incurred from the starting date of the action may be considered eligible. described in Annex G of the Work Programme General Annexes. Specific conditions described in the [specific topic of the Work Programme] Indicative Budget The total indicative budget for the topic is EUR 3 million. Applicant Private [As defined in Article 2(5) of Council Regulation (EU) 2021/2085.] Members of the EU-Rail part of consortia responding to this topic should provide in-kind contributions to additional activities to be declared via the template model available on the F&T portal. The amount of total in-kind contributions (i.e. in-kind contributions for operational activities and in-kind contributions for additional activities) should be no less than 1.263 [In order to support a leverage factor of no less than the ratio between the contribution from members other than the Union and the Union financial contribution, as on the basis of Articles 88 and 89 of Council Regulation (EU) 2021/2085.] times the funding request, in aggregate, of these applicant Private Members. Any discrepancy shall be well and duly justified. In this respect, the grant agreements will set, in principle, annual deliverable on in-kind contributions for the projects selected under this topic, as well as mandatory reporting requirements, for those applicants who are Private Members of EU-Rail. Indicative project duration 36 months. This does not preclude submission and selection of a proposal with a different project duration. Special skills and/or capabilities expected from the Applicant(s) Applicants shall ensure that their proposals and consortium reflect the aggregated expertise to perform the activities and achieve the objectives set by the topic. The applicants are expected to gather expertise from companies developing Maglev-based technologies and/or rail applications, including SMEs and start-ups. Europe's Rail - Work Programme 2025-2026 WP 2025-2026 Europe's Rail Master Plan Master Plan Europe's Rail - Multi Annual Work Programme MAWP Application and evaluation forms and model grant agreement (MGA): Application form template — call specific application form is available in the Submission System from the 26th of February 2025 Application form - Part B (HE EU-RAIL, IA) Evaluation form template Evaluation form (HE EU-RAIL, IA) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Information on financial support to third parties (HE) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Scaling-up nutritional proteins from alternative sources

General Info

Topic ID : HORIZON-JU-CBE-2025-IA-03

Summary : Scaling-up nutritional proteins from alternative sources **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IA-03>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the EU Industrial strategy , the Circular Economy Action Plan , Europe’s food security and Farm2Fork strategy ambition as well as the Food 2030 pathways as well as the EU Initiative on Biotech and Biomanufacturing . Projects results are expected to contribute to the following expected outcomes: Increased availability of sustainably sourced nutritional proteins. Increased resilience of food systems via diversification of protein sources. Contribution to the sustainability of food systems in terms of resource consumption within planetary boundaries (land use, water use, energy consumption, nitrogen cycle, other nutrients). Improved consumers’ awareness and acceptance of proteins from alternative sources, contributing to sustainable healthy diets. Scope: The overarching challenge of ensuring sufficient sustainable availability of proteins for human and animal nutrition is far from being solved. The shift towards sustainably sourced alternative proteins can contribute to building food system resilience. If the proteins are sourced locally, this can also reduce dependency on protein imports as highlighted in the European Protein Strategy . Many alternative protein sources already exist and increasing R&I efforts is needed to boost their uptake as a key nutritional food ingredient, while ensuring safety and acceptability to consumers/end-users. Previous R&I projects, dealing with alternative proteins, have been mainly focused on studying new production technologies, providing relevant contribution to developing new knowledge. There is still the need to foster innovation by scaling-up processes enabling to respond to end-user needs, decreasing production costs and improving circularity [1] . Proposals under this topic should: Demonstrate innovative processes for the extraction and/or production of proteins for application as nutritional food, starting from alternative sources. The scope covers proteins from plants, invertebrates, microorganisms, fungi, aquatic biomass, fermentation of bio-based feedstock (including biogenic gaseous carbon). Proposals should target nutritional proteins for food; the co-production of other bio-based product(s) including feed is also in scope via the cascading approach. Pure proteins, protein-rich mixtures and protein-enriched ingredients are in scope [2] . Address efficient and cost-effective downstream separation and purification processes (when applicable), to meet the targeted quality and stability for final applications. Demonstrate nutritional adequacy of the targeted product(s) and their effect on food formulation(s) according to established testing procedures. Additional properties (e.g., prevention of intolerances/allergies [3] , improved digestibility, etc...) are also in scope depending on the application. Address resource efficiency and circularity aspects to increase economic and socio-environmental added value. When pursuing circular models, ensure that neither pathogens nor contaminants are injected back in the loop, to ensure no negative toxicological effects. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [4] , proposals under this topic should: Test the safety of developed proteins and formulations through toxicological tests, in line with EU regulatory requirements and EFSA guidelines. Moreover, identify potential regulatory gaps and provide recommendations to overcome potential bottlenecks. Include a task on consumer awareness and acceptance: involve end-users (including consumers) starting from the early stages to assess market acceptance of the novel proteins and incorporate insights in product development. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and by the BBI JU / CBE JU [5] . [1] Food 2030 - Pathways for action 2.0 : R&I policy as a driver for sustainable, healthy, climate resilient and inclusive food systems - European Commission [2] At least 50% in weight protein content [3] Taking into account the opinions of EFSA: EFSA Journal 2022;20(5):7258. EFSA Journal 2022; 20(7):7325. EFSA Journal 2021;19(1):6343. EFSA Journal 2021;19(7):6667; EFSA Journal 2021;19(7):6667. [4] <https://www.cbe.europa.eu/reference-documents> [5] For example, from Horizon 2020 projects: SMART PROTEIN, NEXTGENPROTEINS, SUSINCHAIN, PROFUTURE; from BBI/CBE-JU IA projects: SYLPLANT, PLENITUDE, ALEHOOP. ZEST. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making

- funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
 4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
 5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA)

Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025

Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Valorisation of untapped forest biomass

General Info

Topic ID : HORIZON-JU-CBE-2025-RIA-01

Summary : Valorisation of untapped forest biomass **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-18T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-RIA-01>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Forest Strategy for 2030 , the EU Biodiversity strategy 2030 , the EU Bioeconomy Strategy , Land Use, Land Use Change and Forestry Regulation , the Carbon Removal Certification Framework Regulation , and the EU Nature Restoration Law . Projects results are expected to contribute to the following expected outcomes: Enhanced contribution of the forest-based sector to climate change mitigation and adaptation, forest restoration and resilience, biodiversity, and rural development objectives. Added value to the feedstock at the point of origin with optimised transportation and logistics costs throughout the value chain. Informed decision-making by forest owners and managers adopting sustainable forest management practices and novel technologies to better valorise unused and underutilised biomass. Development of new value chains, innovative business models and technologies resulting in novel bio-based chemicals, compounds, materials, and products from unused and/or underutilised forest biomass. Increased engagement and innovation capacity of regional and local actors, as well as positive social impact in rural areas. This includes additional sources of income for forest owners and managers, and rural actors through increased synergies with bio-based industries. Scope: Forest managers often face challenges in implementing more sustainable practices. Additional value can be gained from forestry (both monocultured and mixed forests), agroforestry and horticulture as well as from their residual streams, and from the biomass removed for fire, flood, drought, and disease prevention. Valorisation of such biomass streams can contribute to address the risk of forest abandonment while preserving biodiversity. This is particularly important where the resulting forest or forest-like biomass is low in volume, value, or both. The available biomass mainly consists of small wood, damaged wood (e.g., wood affected by parasites), and various types of wood from mixed forests. Additionally, it includes non-wood biomass, such as shrubs, bark, cork, branches, and resin. These kinds of biomass generally have low or even negative economic value, meaning they often need to be disposed of at a cost. Typically, this biomass is burned locally for energy or simply incinerated, releasing CO₂ into the atmosphere and providing little or no economic benefit to forest managers. This topic should explore valorisation pathways for the targeted feedstock beyond bioenergy and biofuel production. Proposals under this topic should: Develop innovative planning tools and technologies for harvesting, storage, pre-treatment of residual and/or low value, unused or underutilized forest biomass or lower volume or/and less homogeneous biomass. Adopt decentralised approaches, including small-scale, mobile, containerised units, that consider the unique challenges across different European regions and among large, medium-sized, and small companies. Develop and test the feasibility of conversion routes to bio-based chemicals and compounds, materials, products, assessing the viability of new business models around these concepts. Test the local value chain by optimising logistics, improving cost efficiency, and collaborating with central hubs for further processing and refining. Actively involve local forest owners, managers, and other primary sector operators (e.g., farmers, horticulturists) to develop and test novel value chains in pilot areas. Address the feasibility for different ownership types and cooperative structures to ensure alignment with value-chain cooperation. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [1] , proposals under this topic should: Provide recommendations for the development of EU carbon farming certification methodologies for the unused and underutilised forest biomass in long-lasting products (e.g., through forest protection, afforestation, and sustainable forest management). As part of the Multi-Actor Approach (MAA), ensure adequate involvement of all key actors in the value chains relevant for this topic and across the sustainable circular biobased system, including feedstock providers, industrial players, consumers, advisors, and policy makers. Explore synergies with existing initiatives and networks, such as the Common Agricultural Policy and the European and national CAP, the EIP-AGRI and the Agricultural Knowledge and Innovation Systems. Go beyond

the specific feedstock environmental sustainability requirements by actively preventing soil degradation and biodiversity and carbon loss during the extraction of previously unused or underutilized forest biomass. Additionally, safeguards should be implemented to differentiate between various forest types and management practices. Assess impact on soil quality and health. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020/ Horizon Europe and BBI/CBE JU. [2] [1] <https://www.cbe.europa.eu/reference-documents> [2] For example, with BBI JU projects TECH4EFFECT and EFFORTE, CBE JU projects: OptiForValue, SingleTree, and call HORIZON-JU-CBE-2024-CSA-01 projects, and HORIZON-CL6-projects Small4Good and SMURF. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025
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Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Alternative biomanufacturing routes for natural and synthetic rubber

General Info

Topic ID : HORIZON-JU-CBE-2025-RIA-03

Summary : Alternative biomanufacturing routes for natural and synthetic rubber **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-18T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-RIA-03>

Description

Expected Outcome: Proposals under this topic are expected to support the EU Initiative on Biotechnology and Biomanufacturing , the EU Bioeconomy Strategy , and its action plan, the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan , the EU Industrial strategy , the EU Biodiversity strategy 2030 , the Regulation on Deforestation-free Products . Projects results are expected to contribute to the following expected outcomes: Wider availability of sustainable sources of natural and/or bio-based synthetic rubber supporting European industrial competitiveness and strategic autonomy across various sectors of the (bio)economy. Competitive and robust production routes for natural and/or synthetic rubber, with high environmental performance, resource efficiency and sustainability. Biomanufactured alternatives to conventional natural and/or to fossil-based synthetic rubber meeting market requirements for targeted final applications Scope: Rubber-based products have a wide array of applications such as automotive, construction, industrial, healthcare products and consumer goods. The market is roughly equally divided between natural rubber and fossil-based synthetic rubber. Natural rubber (NR), included originally in 2017 on the list of 'critical European raw materials', as one of the few 'biotic' critical raw materials, is found in more than 40,000 products and in many applications. Increasing NR demand is linked with sustainability issues, including sustainable land use, deforestation and forest degradation, labour rights, and control of potentially devastating fungal diseases. For its NR supply, Europe fully relies on imports. Natural rubber is amongst the commodities covered by the EU Regulation on Deforestation-free products. Moreover fossil-based elastomeric polymers (synthetic rubber) are also widely imported from outside EU for applications into a variety of sectors including automotive, construction, etc... Considering the future market developments and related sustainability issues, and the issue of EU strategic autonomy for critical raw materials, European rubber manufacturers are urgently

looking for resource diversification, taking care about the sourcing impacts on deforestation and forest degradation, to comply with the EU Regulation on Deforestation-free products. The focus is on broadening the range of sustainable natural rubber sources and alternatives to fossil based synthetic rubber for the European bio-based industry. Proposals under this topic should: Identify and characterise the suitable sources of rubber-bearing genetic backgrounds (e.g., plants, yeast, microbial hosts, etc...) which are suitable for optimisation for natural and/or synthetic rubber biomanufacturing. When targeting plant-based sources, proposals should focus on implementing low-ILUC solutions. Develop bio-based solutions aiming at high yield of isoprenoid and/or other elastomers, e.g. by deploying the modern tools of biotechnology or other biomanufacturing approaches. Advance EU/AC-based production, extraction and/or processing methods, to enable high productivity and quality of high molecular weight natural rubber and/or other bio-based elastomers. Test the suitability of the developed biomanufactured alternatives into end-products. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [1], proposals under this topic should: Address environmental aspects, aiming at lowering the overall environmental impact of the natural and /or synthetic rubber production in the EU/AC (and potentially, in the long term, globally) and at achieving its high sustainability (e.g. resource efficiency), as well as prevention of microplastics release, as appropriate. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and BBI / CBE JU [2]. Contribute to the global discussion [3] on the sustainability of natural rubber and the alternatives developed in the project, e.g. within the ‘Dissemination and Exploitation plan’, as appropriate. [1] <https://www.cbe.europa.eu/reference-documents> [2] For example, project MIDAS, NORDIC BIO-RUBBER. The list is not exhaustive. [3] For example, in the International Bioeconomy Forum, Global Bioeconomy Summit, or other appropriate thematic platforms with global partners, especially from the Global South.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.
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 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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SSbD bio-based solutions to replace hazardous conventional chemicals for textiles production

General Info

Topic ID : HORIZON-JU-CBE-2025-IA-02

Summary : SSbD bio-based solutions to replace hazardous conventional chemicals for textiles production **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-18T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IA-02>

Description

Expected Outcome: Successful proposals will address the EU Bioeconomy Strategy , the Chemicals Strategy for Sustainability and the EU strategy for sustainable and circular textiles . Indirect contribution is expected towards the objectives of the Mission " Restore our Ocean and Waters by 2030 " in particular to Objective 2: "Prevent and eliminate pollution of our oceans, Seas and waters". Projects results are expected to contribute to the following expected outcomes: Availability of SSbD bio-based solutions for the textile industry, meeting technical and market performance requirements. Improvement in sustainability, circularity and safety of the textiles industry. Reduction of pollution (including micropollutants and emerging contaminants, as relevant) from the production, use and end-of-life phases of

textile value chains, with potential ripple effects in downstream sectors. Improved social impacts along the textiles value-chain and broad socio-economic benefits. Scope: The EU strategy for sustainable and circular textiles announced actions along the textiles value chain to increase circularity and sustainability. The European consumption of textiles has the fourth highest impact on climate change and the environment, after the food sector, housing and mobility. Conventional textiles production is one of the most resource intensive and polluting industries. Many textiles' functionalities and properties can currently only be achieved through processing with chemistry that has been identified as hazardous or of potential concern. This includes, for instance, coatings such as PFAs, heavy-metal-rich dyes and fixing agents, solvents, and surfactants. Moreover, fossil-based polymers, e.g., PVC and PU, have widespread use in coated fabrics but they are under scrutiny for the potential adverse effects (due to their additives), and high health & safety impacts in their production phase, use, and end of life. Overall, adequate substitutes of hazardous substances need to be demonstrated and introduced into textile value chains, including considering any challenges in the case of potential remanufacturing and textiles-to-textiles recycling. There is a potential to demonstrate innovative bio-based chemicals and processes to substitute currently used hazardous chemicals. Proposals under this topic should: Demonstrate SSbD bio-based alternatives to hazardous conventional chemicals used in the production of textiles. Bio-based solutions applicable to bio-based and/or fossil-based textiles production are both in scope [1] Chemicals in scope for replacement include both those that are currently only used in production processes and those that are included in the end-product(s). SSbD bio-based solutions in scope are: chemicals (organic and/or inorganic compounds) and/or processing routes, removing the need for chemical-to-chemical substitution. Ensure compatibility of the innovative chemicals and/or processes with textile manufacturing equipment and practices. Test the impact of the alternative bio-based chemical(s) and/or process on the end-product(s), based on available standards. The action can target garments, technical textiles or other products (e.g., footwear, non-woven textiles) towards improving the production of bio-based and/or fossil-based textiles. More specifically, assess their technical performance (depending on end application), human health safety and environmental impact against relevant benchmarks, considering production, use and end of life (EoL). Specify all the different and applicable EoL scenarios considered (e.g., recycling, remanufacturing etc.). In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [2] , proposals under this topic should: As part of the Multi-Actor Approach (MAA), ensure adequate involvement of all key actors in the value chains relevant for this topic, including textiles manufacturers, especially SMEs and brand owners, raw materials suppliers, process industries, regional/local officials and workers' representatives related to HS&E. Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission , including the health and safety of workers and end users. Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [3] Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020/Horizon Europe (Cluster 6 and Cluster 4 as well as the upcoming partnership on Textiles: 'Textiles for the Future') and BBI JU/CBE JU projects [4] [1] Definition on textiles [2] <https://www.cbe.europa.eu/reference-documents> [3] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection [4] For example: GLAUKOS , CELLFIL , TexMaTer , SOLSTICE , BioSusTex . The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025 Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Operating grants for 2026 under Framework Partnership Agreements in the area of facilitating and supporting judicial cooperation in civil and/or criminal matters and/or in the area of access to justice

General Info

Topic ID : JUST-2025-JCOO-JACC-OG-SGA

Summary : Operating grants for 2026 under Framework Partnership Agreements in the area of facilitating and supporting judicial cooperation in civil and/or criminal matters and/or in the area of access to justice **Status :** Open

Deadline model : single-stage **Deadline :** 2025-07-03T00:00:00.000+0200 **Start Date :** 2025-02-19T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JUST-2025-JCOO-JACC-OG-SGA>

Description

Expected Outcome: Objectives: In the area of judicial cooperation : to facilitate and support judicial cooperation in civil and criminal matters, and promote the rule of law, independence and impartiality of the judiciary, including by supporting the efforts to improve the effectiveness of national justice systems, and the effective enforcement of decisions. In the area of access to justice : to facilitate effective and non-discriminatory access to justice for all, and effective redress, including by electronic means (e-justice), by promoting efficient civil, and criminal procedures, and by promoting and supporting the rights of all victims of crime, as well as the procedural rights of suspects and accused persons in criminal proceedings. These grants will fund operating costs and those activities of the network which have EU added value and contribute to the implementation of the objectives of the Programme among others: analytical activities, training activities, mutual learning, cooperation, awareness-raising and dissemination activities. Applicants must provide a detailed annual work programme for a period of 12 months.

Conditions

Conditions

1. Eligible Countries As described in the call document (see "List of participating countries" - section 6 "Eligibility").
2. Eligibility and admissibility conditions As described in the call document .
3. Proposal page limits and layout Please refer to Part B of the Application Form available in the Submission System.
4. Evaluation Evaluation criteria, scoring, threshold and process are described in the call document .
5. Indicative timeline for evaluation and grant agreement As described in the call document (section 4 "Timetable and deadlines"). Call document and annexes: Call document Application form templates Standard application form (JUST OG) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) Operating Grants MGA Additional documents: Regulation establishing the Justice Programme 2021/693 JUST Work Programme 2023-2025 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Urban-industrial symbiosis for bio-waste valorisation

General Info

Topic ID : HORIZON-JU-CBE-2025-IAFlag-01

Summary : Urban-industrial symbiosis for bio-waste valorisation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-18T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IAFlag-01>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the Waste Framework Directive and the Landfill Directive [1] , with respect of the objectives on bio-waste management. Project outcomes will contribute to the objectives of the Circular Economy communication and action plan. Projects results are expected to contribute to the following expected outcomes: Full-scale biorefinery and related value chain(s) for the sustainable valorisation of bio-waste into added-value bio-based products, with high replication potential. Reduction of the amount of bio-waste currently going for incineration or landfilled. Reduction of greenhouse gas emissions and other pollutants, due to avoiding landfilling and incineration of bio-waste. Demonstrated economic and social benefits for the municipalities involved in the provision of bio-waste. Increased value for society, in terms of direct and indirect employment number and quality of jobs at local and regional levels Increased social acceptance of targeted bio-based products from bio-waste and increased citizen engagement in bio-waste prevention and separate collection. Scope: According to the Waste Framework Directive , bio-waste must be ‘ either separated and recycled at source or is collected separately and is not mixed with other types of waste ’ as of 1 st January 2024 in the EU,6F then providing an increasing amount of bio-based feedstock for any circular use. Separately collected urban bio-waste is currently mostly valorised through state-of-the-art anaerobic/aerobic digestion, resulting mainly in biomethane and/or compost. While prioritizing the prevention of waste, other valorisation routes could further support phasing out landfilling and incineration [2] . There is a presently untapped potential at industrial scale to valorise urban bio-waste into higher value bio-based products. Some innovative routes have been demonstrated or are under demonstration, tackling the technological challenges related to the complexity of this feedstock, in terms of composition and its variability across seasons. Urban-industrial symbiosis may be instrumental to overcome such challenges both upstream and/or downstream the bio-waste valorisation pathways. The main feedstock in scope for this topic is separately collected urban bio-waste, as defined under the Waste Framework Directive [3] . According to the specific targeted conversion routes, any other bio-based residues and waste [4] can be used as supplementary feedstock. Proposals under this topic should: Demonstrate feasibility and viability of a full-scale biorefinery model converting bio-waste (as defined above) into added value [5] products. Approaches exploiting synergies with existing waste management infrastructures, including separate collection of targeted bio-waste, and of urban-industrial symbiosis (upstream and/or downstream) are in scope. Demonstrate the production of safe-and-sustainable-by-design (SSbD) added-value bio-based products, minimising the generation of waste. Address logistics aspects (including separate bio-waste collection, proximity to urban areas, etc) influencing the economic viability and social acceptance of the value chain. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [6] , proposals under this topic should: Include a task to apply the safe-and-sustainable-by-design (SSbD) framework , developed by the European Commission. Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework [7] As part of the multi-actor approach (MAA), ensure adequate involvement of all key actors in the value chains relevant for this topic and across the sustainable circular bio-based system, including bio-waste management operators, local/regional authorities, policy makers, citizens/consumers’ representatives, bio-based process developers/biorefineries. Include a task to address the regulatory framework aspects related to the use of bio-waste streams and their conversion to end products, with particular reference to the end of waste criteria to ensure future marketability of the developed products. Include a task to perform an assessment of social involvement and long-term benefits, including local employment, potential reduction of waste management charges, lower pollution, products and/or services and/or revenues received back from the biorefinery(ies). Identify region(s)/area(s) in EU/EEA/EFTA countries and associated countries (ACs) with high unexploited potential for such industrial/urban symbiotic approach (e.g., where bio-waste from municipalities is not separately collected and/or not properly valorised, or there are options applied which are low in the waste hierarchy, i.e. incineration and landfilling). Include a task to assess the implementation in the selected region(s)/area(s) of the solutions developed in the flagship, taking into account local/regional conditions and the regulatory framework. Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe and BBI/CBE JU [8] . Explore synergies with Circular Cities and Regions initiative (CCRI) , the EU Hubs for Circularity (H4C)F and the R&I Mission ‘Climate neutral and smart cities’ . [1] Provisions for the reduction of ‘biodegradable’ waste under Article 5 ‘Waste and treatment not acceptable in landfills’ [2] See also examples for the production of chemicals through the conversion of organic as reported in the BREF on Waste , under the anaerobic processes (4.3.1.1 Innovative processes). Also the Taxonomy regulation indicates how to use bio-waste in

the delegated act on circular economy objective (see, for example, the manufacture of plastic packaging goods and the anaerobic digestion of bio-waste into chemicals.) [3] i.e., biodegradable garden and park waste, food and kitchen waste from households, offices, restaurants, wholesale, canteens, caterers and retail premises and comparable waste from food processing plants [4] See CBE JU Strategic Research and Innovation Agenda , Annex V. Table V.1: Potential feedstock for the bio-based industry [5] Added value in this case means value higher than compost and biogas [6] <https://www.cbe.europa.eu/reference-documents> [7] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection [8] For example, CBE JU projects: CIRCULAR BIOCARBON, CIRCLE, MIXMATTERS, and BBI JU projects: URBIOFIN, EMBRACED, DEEP PURPLE. as well as H2020 projects: DAFIA, VOLATILE, VALUEWASTE, SCALIBUR, WaysTUP!, HOOP, RES URBIS. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual .
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025

Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025

Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Retrofitting of (bio)refineries industrial plants towards higher-value bio-based products

General Info

Topic ID : HORIZON-JU-CBE-2025-IAFlag-04

Summary : Retrofitting of (bio)refineries industrial plants towards higher-value bio-based products **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-18T00:00:00.000+0200 **Start Date** : 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CBE-2025-IAFlag-04>

Description

Expected Outcome: Successful proposals will contribute to the implementation of the EU Bioeconomy Strategy and its action plan, the Circular Economy Action Plan , the EU Zero pollution ambition for a toxic-free environment under the Chemicals Strategy for Sustainability and the Zero Pollution Action Plan ,as well as the EU Industrial strategy . Projects results are expected to contribute to the following expected outcomes: Full-scale biorefinery based on a retrofitted industrial plant towards bio-based products with a higher value than the ones produced in the old configuration. Deployment of a competitive, replicable, regional/local business model, encompassing all segments of the value chain, centred on the reconfiguration of the targeted industrial site. Improvement in overall sustainability and circularity compared to the old configuration. Increased value for society, in terms of direct and indirect employment at local and regional levels, considering also maintaining jobs in plants risking closure/downsizing. Scope: Europe is home to many industrial facilities, that are currently redundant, under-exploited, or are becoming obsolete. Their infrastructures nonetheless represent a valuable asset that can contribute to European bioeconomy when converted to biorefineries – an approach exemplified in a number of large-scale projects across Europe. Benefits of exploiting existing plants include easier permits, reduction of CAPEX and other economic and technological benefits (e.g., shorter lead times, faster implementation, fewer production time losses and lower risks compared to fully greenfield plant construction). However, significant challenges are also related to such projects in terms of conversion of industrial equipment, establishing bio-

based value chains and reskilling of the workforce. Both existing biorefineries and fossil-based industrial plants on brownfield are in scope of this topic as a target of the retrofitting action. Greenfield implementation is out of scope. Proposals under this topic should: Retrofit an existing industrial facility with innovative and sustainable biomass conversion process(es), yielding more valuable product(s) than the one(s) produced with the old process(es). Demonstrate the production of bio-based chemicals and/or materials (reaching end TRL 8) and their further conversion into end-product(s) (end TRL 6 or higher) to be validated in market-relevant application(s). Moreover, proposals should also address cascading valorisation of residual streams across the value chain. Food/feed ingredients are not in scope. In addition to the specific requirements applicable for the type of action, as described in section 2.2.3.1 of the CBE JU Annual Work Programme 2025 [1], proposals under this topic should: As part of the Multi-Actor Approach, establish the full value chain including biomass supply and logistics, with the appropriate involvement of biomass providers, fostering the creation or enhancement of a local/regional ecosystem centred around the biorefinery. Design training programme(s) for upskilling/reskilling the workforce of the retrofitted biorefinery as well as the related ecosystem workforce and test the practical implementation of such training programme(s). Include a task to apply the safe-and-sustainable-by-design (SSbD) framework, developed by the European Commission. Under this context, projects are expected to also contribute with and develop recommendations that can advance further the application of the SSbD framework. [2] Ensure complementarities with past and ongoing R&I projects addressing similar challenges, including projects funded under Horizon 2020 / Horizon Europe (under Cluster 6 and other Clusters of Horizon Europe) and BBI JU/CBE JU projects. [3] [1] <https://www.cbe.europa.eu/reference-documents> [2] More specifically, provide thresholds that can support the criteria definition and improvements for the assessment SSbD methodologies, including any specificities related with bio-based chemicals. Recommendations should also include identification of data gaps, especially safety, environmental, but also socio-economic factors, as well as priorities for data collection. [3] For example, BBI JU-funded Flagship project FIRST2RUN, RESOLUTE, SUSTAINEXT and VIOBOND, CBE JU-funded Flagship projects TERRIFIC and CIRCLE. The list is not exhaustive.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes.
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in section 2.2.3 Calls for proposals in the CBE JU Annual Work Programme 2025 Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System CBE JU Call for proposals 2025 Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE RIA, IA) Guidance HE Programme Guide Model Grant Agreement (MGA) HE MGA Call-specific instructions CBE JU Call for proposals 2025 Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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EIC STEP Scale Up

General Info

Topic ID : HORIZON-EIC-2025-EICSTEP-01

Summary : EIC STEP Scale Up **Status** : Open

Deadline model : single-stage **Deadline** : 2025-12-16T00:00:00.000+0100 **Start Date** : 2024-11-26T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-EICSTEP-01>

Description

Expected Outcome: The EIC STEP Scale Up call offers a total indicative budget of EUR 300 million for the 2025, which is expected to rise to EUR 900 million for the period 2025-2027 [1] . Any unused amount from this budget will be allocated with priority to the EIC Accelerator Open call. [2] The support will be in the form of equity-only investments managed by the EIC Fund. Applicants to this call will not receive a grant component. It provides significant financial support, and applicants should apply for an investment of a minimum of EUR 10 million [3] and maximum of EUR 30 million, to co-invest in a funding round aiming at least three to five times the amount of the requested EIC contribution.

The specific terms of each investment are considered and negotiated on a case-by-case basis in accordance with the EIC Fund Investment Guidelines. This ensures the investment is tailored to your company's needs while aligning with EIC's objectives. EIC STEP Scale Up is designed to fill the funding gap for companies to invest in the scale up of high-risk innovations and where the amount needed for the scale up cannot be fully financed by other investors, including InvestEU implementing partners. Applicants are encouraged to consider complementarity with Venture Debt from InvestEU implementing partners in order to meet their financing needs. When implementing investments, the EIC Fund will ensure that supported companies keep most of their value, including their IP, in the EU or in the Associated Countries in order to contribute to their economic growth and job creation. Where necessary, the EIC Fund will be requested to take appropriate safeguard measures for individual companies on a case-by-case basis in order to protect European interests as defined in the Investment Guidelines. Beyond funding, your company will benefit from a strong support system that fosters your continued growth within Europe through Business Acceleration Services (details available in Section V). Applicants to the EIC STEP Scale Up call who meet the evaluation thresholds will also be awarded a Sovereignty (STEP) Seal, to facilitate and provide privileged access to funding and support from other EU programmes and other funders and investors [4]. Objective: The EIC STEP Scale Up call presents a unique opportunity for ambitious scale up companies (SMEs and small mid-caps) with game-changing innovations in Europe's critical technology areas. It offers a powerful combination of financial and strategic support designed to propel your groundbreaking solution to the forefront of these sectors. The companies selected under the EIC STEP Scale Up call can receive investments ranging from EUR 10 to EUR 30 million. This investment can significantly accelerate the development and market launch of your technology, product, or service. With this funding, you'll gain the power to disrupt established markets and forge new ones across Europe, potentially achieving significant global impact. Crucially, this investment is designed to catalyse major funding rounds, e.g. in the range of EUR 50 to 150 million, and at least 3-5 times the EIC investment. This call is part of the implementation of the Strategic Technologies for Europe Platform (STEP)) [5] which supports the development or manufacturing of critical technologies throughout the Union or safeguarding and strengthening their respective value chains. Besides, support from the EIC, the projects may be eligible for support under other EU programmes included in STEP. In 2025 support for start-ups in semiconductor technologies and quantum technologies will be pursued in particular through the STEP Scale Up call which foresees larger investments targeting strategic technologies including in support of the Chips Act. The EIC Accelerator Open call remains available in general for startups and SMEs including for quantum and semiconductor technologies. [1] Amounts for 2026 and 2027 are subject to the availability of the appropriations provided for in the general budget of the Union for 2026 and 2027 following the adoption of that budget of the EIC Work Programmes for 2026 and 2027. [2] If applicants have been selected for funding under the Accelerator Open call. Otherwise, any remaining amounts may be allocated to other calls within the general flexibility of the Work Programme. [3] Applicants wishing to apply for lower investment amounts may apply to the EIC Accelerator call. [4] As STEP Seal beneficiary, you might be requested to provide additional documentation for the sake of an Ownership and Control Assessment where there is such requirement. [5] https://strategic-technologies.europa.eu/index_en

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** In order to apply, your innovation must be within the scope of the priority areas defined in the STEP regulation and further developed in the Guidance note : a. Digital technologies, and deep tech innovations. This includes: advanced semiconductor technologies; artificial intelligence technologies; quantum technologies; advanced connectivity, navigation and digital technologies; advanced sensing technologies; robotics and autonomous systems; Deep tech innovations (see Glossary of the EIC Work Programme 2025). b. Clean and resource efficient technologies, including net-zero technologies. This includes: solar technologies; onshore wind and offshore renewable technologies; battery and energy storage technologies; heat pumps and geothermal technologies; hydrogen technologies; sustainable biogas and biomethane technologies; carbon capture and storage technologies; electricity grid technologies; nuclear fission technologies, sustainable alternative fuel technologies; hydropower technologies; other renewable technologies; energy system - related energy efficiency technologies; renewable fuels of nonbiological origin technologies; biotech climate and energy solutions; transformative industrial technologies for decarbonisation; CO2 transport and utilisation technologies; wind and electric propulsion technologies; other nuclear technologies; advanced materials, manufacturing and recycling technologies, technologies vital to sustainability such as water purification and desalination; and circular economy technologies. c. Biotechnologies, including medicinal products on the Union list of critical medicines and their components. Including DNA/RNA; proteins and other molecules; cell and tissue culture and engineering; process biotechnology techniques; Gene and RNA vectors; bioinformatics; and nanobiotechnology. These technologies are deemed critical where they meet either of the following conditions: a. they bring to the internal market an innovative, emerging and cutting-edge element with significant economic potential; b. they contribute to reducing or preventing strategic dependencies of the Union. The Commission Guidance note, concerning certain provisions of STEP Regulation adopted on May 2024, provides detailed

information on the criticality conditions. This call targets companies raising significant funding rounds and you must demonstrate an initial market interest such that the EIC investment acts as a catalyst for larger funding rounds. You will therefore need to demonstrate that the company already has a precommitment for an equity investment which meets the following elements: The pre-commitment is from a qualified investor, . The pre-commitment represents at least 20% of the total target funding round you are aiming to raise. The following entities are eligible to apply: A single company classified as a SME or small mid-cap (up to 499 employees) established within a Member State or an Associated Country (see Annex 2 of the EIC Work Programme 2025). The company may have a holding entity for the purposes of the investment, and this holding company must also be established in a Member State or an Associated Country. An investor may submit a proposal on behalf of an eligible SME or small midcap as defined above, provided that a prior agreement exists with the company. The investment agreement will be signed with the selected SME or small mid-cap. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.

2. Eligible Countries described in Annex 2(B. Eligibility) of the EIC Work Programme 2025 .
3. Other Eligible Conditions described in Annex 2(General conditions for proposals) of the EIC Work Programme 2025 .
4. Financial and operational capacity and exclusion described in Annex 2(C. Financial and Operational Capacity) of the EIC Work Programme 2025 . 5a. Evaluation and award: Award criteria, scoring and thresholds described in section V of the EIC Work Programme 2025 . 5b. Evaluation and award: Submission and evaluation processes described in section V of the EIC Work Programme 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and investment agreement described in section V of the EIC Work Programme 2025 . In order to achieve the expected outcomes, and safeguard the Union's strategic assets, interests, autonomy, and security, it is important to avoid a situation of technological dependency on a non-EU source, in a global context that requires the EU to take action to build on its strengths, and to carefully assess and address any strategic weaknesses, vulnerabilities and high-risk dependencies which put at risk the attainment of its ambitions. The scope of this call follows the identification of priority technology areas where there is a need to reduce or prevent strategic dependencies of the Union, in line with EU strategic and security interests. For this reason, and in line with Article 136 of the Financial Regulation , recipients of the Accelerator funding (i.e., the legal entities which sign the investment agreement and, on this basis, become investees respectively) under this call, must not be directly or indirectly controlled by a non-associated third country or a legal entity established in a non-associated third country. Furthermore, in case of an investment support, specific safeguards may be introduced in the investment agreement (see Introduction, section on Economic Security in EIC Work Programme 2025). Call Documents EIC Work Programme 2025 Application forms: Application form templates — the application form specific to this call is available in the Submission System Standard application form (HE EIC STEP) Guidance STEP application guide HE Programme Guide Call-specific instructions Information on financial support to third parties (HE) Information on clinical studies (HE) Additional documents: HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

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EIC Pathfinder Open

General Info

Topic ID : HORIZON-EIC-2025-PATHFINDEROPEN

Summary : EIC Pathfinder Open **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-21T00:00:00.000+0200 **Start Date :** 2025-02-20T00:00:00.000+0100

Description

Objective: You should apply if you are looking for support from EIC Pathfinder Open to realise an ambitious vision for radically new technology, with potential to create new markets and/or to provide solutions for global challenges. EIC Pathfinder Open supports early stage development of such future technologies (e.g., various activities at low Technology Readiness Levels from 1 to 4), based on high-risk/high-gain science-towards-technology breakthrough research (including ‘deep-tech’). This research must provide the foundations of the technology you are envisioning. EIC Pathfinder Open may support your work, especially if it is highly risky: you may set out to try things that will not work; you may be faced with questions that nobody knows the answer to yet; you may realise that there are many aspects of the problem that you do not master. On the contrary, if the approach you want to follow is incremental by nature or known, EIC Pathfinder Open will not support you. Before applying to this call, you should verify that your proposal meets all the following essential characteristics (‘Gatekeepers’): Convincing long-term vision of a radically new technology that has the potential to have a transformative positive effect to solving a challenge in our economy and society. Concrete, novel and ambitious science-towards-technology breakthrough, providing advancement towards the envisioned technology. High-risk/high-gain research approach and methodology, with concrete and plausible objectives. EIC Pathfinder Open involves interdisciplinary research and development. By bringing diverse areas of research together, often with different perspectives, terminologies and methodologies, within individual projects and within a portfolio of projects, really new things can be generated and entirely new areas of research can be opened up. It is up to you to compose the team that you need, that you can learn from, and that you can move forward with. The expected output of your project is the proof of principle that the main ideas of the envisioned future technology are feasible, thus validating its scientific and technological basis. Project results should include top-level scientific publications in open access. While your vision is expected to be worthwhile because of its potential for future impact, for instance to create new markets, improve our lives, or provide solutions for global challenges, these are not expected to be achieved in the course of your EIC Pathfinder Open project. However, you are expected to take the necessary measures in the course of the project to allow future uptake to take place. This includes: an adequate formal protection of the generated Intellectual Property (IP), a plan for future exploitation and an assessment of relevant aspects related to regulation, certification, and standardisation. In addition, you are encouraged to involve and empower in your team key actors that have the potential to become future leaders in their field such as excellent early-career researchers or promising high-tech SMEs, including start-ups. Your project should reinforce their mind-set for targeted research and development aimed at high-impact applied results. This will strengthen Europe’s capacity for exploiting the scientific discoveries made in Europe throughout the steps to market success or for solving global challenges. You are particularly encouraged to empower female researchers in your project and to achieve gender balance among your work package leaders. For more details, see the EIC WP 2025

Conditions

General conditions

1. **Admissibility Conditions:** This call is open for collaborative research. Your proposal must be submitted by the coordinator, on behalf of a consortium including as beneficiaries, at least three legal entities, independent from each other and each established in a different country as follows: at least one legal entity established in a Member State; and at least two other independent legal entities, each established in different Member States or Associated Countries. The legal entities may for example be universities, research organisations, SMEs, startups, industrial partners or natural persons. The eligibility of associated countries and third countries is detailed in Annex 2 . The standard admissibility and eligibility conditions are detailed in Annex 2 .
2. **Proposal page limits and layout:** described in Part B of the Application Form available in the Submission System. Sections 1 to 3 of the part B of your proposal, corresponding respectively to the award criteria Excellence, Impact, and Quality and Efficiency of the Implementation, must consist of a maximum of 20 format A4 pages. Excess pages will be automatically made invisible and will not be taken into consideration by the evaluators. Please also consult Annex 2 of the EIC Work Programme 2025 .
3. **Financial and operational capacity and exclusion** Described in Annex 2 of the EIC Work Programme 2025 .
4. **Legal and financial set-up of the grants:** Please refer to the Model Grant Agreement (MGA) used for EIC actions under Horizon Europe Call documents: EIC Work Programme 2025 Frequently Asked Questions Standard application form (HE EIC PATHFINDER OPEN) List of Pathfinder Open Descriptors Standard evaluation form (HE EIC PATHFINDER OPEN) Information on clinical studies (HE) Information on security issues/Security section (HE) Additional documents: HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity

Budget Overview

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Boosting innovation for better assessment of the added value of innovative integrated healthcare solutions

General Info

Topic ID : HORIZON-JU-IHI-2025-09-05-single-stage

Summary : Boosting innovation for better assessment of the added value of innovative integrated healthcare solutions
Status : Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-09-05-single-stage>

Description

Expected Impact: The actions to be funded under this topic are expected to achieve the following: a. contribute to one or more of IHI JU's expected impacts linked to IHI JU's Specific Objective 5, as reflected in the IHI JU SRIA, i.e.: seamless and successful implementation in healthcare settings of cross-sectoral innovations, integrated products and services delivering proven benefits to patients, healthcare systems and society as a whole; patients have improved access to innovations that meet their needs and those of the healthcare systems; better informed decision-making at different levels of the healthcare system (authorities, organisations), that will in turn contribute to a better allocation of resources towards cost-effective innovations; faster entry to the market of cost-effective innovative solutions developed by industry, which could translate to a positive effect on their R&I investments. b. contribute to strengthening the competitiveness of the EU's health industry, via increased economic activity in the development of health technologies, in particular, integrated health solutions, and thus fostering European technological leadership and the digital transformation of our societies. The actions are expected to contribute to EU programmes, initiatives and policies such as the European Green Deal, Europe's Beating Cancer Plan, the EU Mission on Cancer, the European Virtual Twins Initiatives, the European Health Emergency Preparedness and Response Authority (HERA), the European Commission's proposal for the European Health Data Space (EHDS), and the EU Artificial Intelligence Act 1, where relevant. 1 EU Artificial Intelligence Act | Up-to-date developments and analyses of the EU AI Act

Expected Outcome: Applicants must define the outcomes expected to be achieved by the project ensuring that they contribute to at least one of IHI JU's potential outputs linked to the IHI JU's specific objective 5 'enable the development of new and improved methodologies and models for a comprehensive assessment of the added value of innovative and integrated healthcare solutions' as reflected in the IHI JU Strategic Research and Innovation Agenda (SRIA). Actions (projects) to be funded under this topic must deliver results that address public health needs and support the development of future health innovations that are safe, people-centred, effective, cost-effective and affordable for patients and for health care systems. The expected outcomes may cover the entire spectrum of care and may be health technologies centred around disease areas and/or key themes such as prevention, precision diagnostics, personalised medicine, and chronic disease management. They may also include solutions for key enablers such as digital data and solutions, artificial intelligence (AI), regulatory science, greener and more sustainable healthcare, and implementation science 1 . 1 In the context of IHI, 'implementation science' refers to the development and piloting of methods and strategies that facilitate the uptake of evidence-based practice and research outcomes into regular use (e.g. translation of results, uptake, scale-up, piloting in healthcare). Scope: With a view to harnessing new science and technologies, this topic aims to fund pre-competitive research and innovation for novel tools, methods, technologies etc. that will foster the development of health innovations

to prevent, intercept, diagnose, treat, and manage diseases and enable recovery more efficiently. Accordingly, applicants must assemble a collaborative public-private partnership consortium reflecting the integrative and cross-sectoral nature of IHI JU that is capable of addressing challenge(s) and scope of the IHI JU's Specific Objective 5 'enable the development of new and improved methodologies and models for a comprehensive assessment of the added value of innovative and integrated healthcare solutions'; as defined in IHI JU's legal basis 1 and described in more detail in the IHI JU SRIA 2. Applicants should consider the following points in their proposals: a. address an unmet public health need based on at least one of the below: the high burden of the disease for patients and/or society due to its severity and/or the number of people affected by it; the high economic impact of the disease for patients and society; the transformational nature of the potential results on innovation processes where projects are not focussed on individual disease areas (e.g. health data analytics). b. demonstrate the ability to translate research into innovative solutions that can be integrated/implemented into the healthcare ecosystem (taking into consideration the fragmented nature of European healthcare systems) and/or into industrial processes. When applicable, proposals should consider relevant aspects of patient-centricity, with the help of the most suitable health technologies and/or social innovations, including open science and taking demographic trends into account as relevant. If applicable, applicants are expected to consider the potential regulatory impact of the anticipated project's outputs, and as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence and for engaging with regulators and other bodies in a timely manner, e.g. EU national competent authorities, notified bodies for medical devices and in vitro diagnostic devices, health technology assessment (HTA) agencies, and the European Medicines Agency (EMA) through existing opportunities for regulatory support services such as the Innovation Task Force and qualification advice. As relevant, consideration should also be given to the Health Data Access Bodies that will be established under the forthcoming European Health Data Space Regulation 3 in the context of secondary use of data. Applicants should consider relevant existing initiatives/projects to ensure synergies and complementarities and avoid unnecessary overlap and duplication of efforts. The proposal should include a plan on how they propose to synergise with these initiatives. 1 Article 115 of the Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe 2 https://www.ih.europa.eu/sites/default/files/flmng/IHI_Strategic_Research_and_Innovation_Agenda_3.pdf 3 https://www.europarl.europa.eu/doceo/document/TA-9-2024-0331_EN.pdf

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 - for a single-stage Call, the limit for RIA full proposals is 50 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - 5b. Evaluation and award: Submission and evaluation processes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP) specific conditions on Availability, Accessibility and Affordability (3A) apply to this topic JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website. Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 9 th Call for proposals full topics text is available here Evaluation form (Research and Innovation Actions - single and two-stage calls) :

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage calls) Proposal templates (Research and Innovation Actions - single stage and 2nd Stage of two-stage calls) : Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants, on the budget, information on Ethics and Security, as well as other type of questions (e.g. information on clinical studies). Please note that only Part A of this template is applicable for this Call. For Part B, see point below. Proposal template - Part B : IHI JU Proposal template (RIA/FP) - Part B Proposal Annexes : § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex, which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ‘In-kind contributions to additional activities (IKAA)’ ’ is an IHI specific annex. The excel template can be found here and the instructions on how to fill in this template can be found here . This is an optional annex . § Annex: Essential information for clinical studies The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional information in an annex to proposal part B. This is an optional annex . §

Annex: Contributing partners The applicant contributing partner must send the pdf of the final signed letter to the coordinator of their proposal. The coordinators are responsible for uploading the final application letters in the EU Funding and Tenders Portal along with the rest of the proposal documents, as a part of the wider proposal. If the proposal includes more than one contributing partner, the coordinator must prepare one pdf document containing all the contributing partners' application letters. For more information please consult: <https://www.ih.europa.eu/shape-our-future-research/become-contributing-partner> This annex is compulsory only in case your proposal includes contributing partners . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act 'SBA' or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Boosting innovation for peopled centred integrated healthcare solutions

General Info

Topic ID : HORIZON-JU-IHI-2025-09-03-single-stage

Summary : Boosting innovation for peopled centred integrated healthcare solutions **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-29T00:00:00.000+0200 **Start Date :** 2025-01-16T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-IHI-2025-09-03-single-stage>

Description

Expected Impact: The actions to be funded under this topic are expected to achieve the following: a. contribute to one or more of IHI JU's expected impacts linked to IHI JU's Specific Objective 3, as set out in the IHI JU SRIA, i.e. raised awareness among citizens and patients on their own role in managing their health; improved patient adherence to prevention programmes and medical interventions; people, including vulnerable populations (e.g. elderly and children as well as their carers and/or representatives), are better able to make informed decisions with their healthcare professionals about prevention, treatment interventions and disease management; increased frequency and quality of cooperation between patients, citizens and industrial stakeholders in the development of healthcare solutions, in particular integrated care solutions; patients benefit from prevention and treatment better adapted to their needs through improved diagnostic and monitoring; integrated healthcare solutions, including those based on the use of digital solutions, better responding to the needs and preferences of patients and citizens, supporting an inclusive approach; successful implementation of digital solutions supporting people-centred care; facilitated introduction of innovative solutions for improved home care of patients; healthcare solutions assessed according to criteria that matter to patients and citizens (in particular, patient reported outcome measures (PROMs) and patient reported experience measures (PREMs) contributing to achieving people-centred healthcare. b. contribute to strengthening the competitiveness of the EU's health industry via increased economic activity in the development of health technologies, in particular, integrated health solutions, thus fostering European technological leadership and the digital transformation of our societies. The actions are expected to contribute to EU programmes, initiatives and policies such as the European Green Deal, Europe's Beating Cancer Plan, the EU Mission on Cancer, the European Virtual Human Twins Initiative, the European Health Emergency Preparedness and Response Authority (HERA), the European Commission's proposal for the European Health Data Space (EHDS), and the EU Artificial Intelligence Act 1, where relevant. 1 EU Artificial Intelligence Act | Up-to-date developments and analyses of the EU AI Act **Expected Outcome:** Applicants must define the outcomes expected to be achieved by the project ensuring that they contribute to at least one of IHI JU's potential outputs linked to the IHI JU's Specific Objective 3 'demonstrate the feasibility of people-centred, integrated healthcare solutions', as reflected in the IHI JU Strategic Research and Innovation Agenda (SRIA). Actions (projects) to be funded under this topic must deliver results that address public health needs and support the development of future health innovations that are safe, people-centred, effective, cost-effective and affordable for patients and for health care systems. The expected outcomes may cover the entire spectrum of care and may be health technologies centred around disease areas and/or key themes such as prevention, precision diagnostics, personalised medicine, and chronic disease management. They may also include solutions for key enablers such as digital data and solutions, artificial intelligence (AI), regulatory science, greener and more sustainable healthcare, and implementation science 1. 1 In the context of IHI, 'implementation science' refers to the development and piloting of methods and strategies that facilitate the uptake of evidence-based practice and research

outcomes into regular use (e.g. translation of results, uptake, scale-up, piloting in healthcare). Scope: With a view to harnessing new science and technologies, this topic aims to fund pre-competitive research and innovation for novel tools, methods, technologies etc. that will foster the development of health innovations to prevent, intercept, diagnose, treat and manage diseases, and enable recovery more efficiently. Accordingly, applicants must assemble a collaborative public-private partnership consortium reflecting the integrative and cross-sectoral nature of IHI JU that is capable of addressing the challenge(s) and scope of the IHI JU's Specific Objective 3 'demonstrate the feasibility of people-centred, integrated healthcare solutions', as defined in IHI JU's legal basis 1 and described in more detail in the IHI JU SRIA 2 . Applicants should consider the following points in their proposals: a. address an unmet public health need based on at least one of the below: the high burden of the disease for patients and/or society due to its severity and/or the number of people affected by it; the high economic impact of the disease for patients and society; the transformational nature of the potential results on innovation processes where projects are not focussed on individual disease areas (e.g. health data analytics). b. have people-centric, rather than product- and pathology-centric, approaches – the focus being on the patient and citizen journey through health care, with the help of most suitable health technologies and social innovations and taking account of demographic trends; c. demonstrate the ability to translate research into innovative solutions that can be integrated/implemented into the healthcare ecosystem (taking into consideration the fragmented nature of European healthcare systems) and/or into industrial processes. If applicable, applicants are expected to consider the potential regulatory impact of the anticipated project's outputs and, as relevant, develop a regulatory strategy and interaction plan for generating appropriate evidence and for engaging with regulators and other bodies in a timely manner, e.g. EU national competent authorities, notified bodies for medical devices and in vitro diagnostic devices, health technologies assessment (HTA) agencies, and the European Medicines Agency (EMA) through existing opportunities for regulatory support services such as the Innovation Task Force and qualification advice. As relevant, consideration should also be given to the Health Data Access Bodies that will be established under the forthcoming European Health Data Space Regulation 3 in the context of secondary use of data. Applicants should consider relevant existing initiatives/projects to ensure synergies and complementarities and avoid unnecessary overlap and duplication of efforts. The proposal should include a plan on how they propose to synergise with these initiatives. 1 Article 115 of the Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe 2 https://www.ihj.europa.eu/sites/default/files/flmng/IHI_Strategic_Research_and_Innovation_Agenda_3.pdf 3 https://www.europarl.europa.eu/doceo/document/TA-9-2024-0331_EN.pdf

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
 - for a single-stage Call, the limit for RIA full proposals is 50 pages.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes and in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP)
 - 5b. Evaluation and award: Submission and evaluation processes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the "Conditions of the Calls for proposals and Calls management rules" section of the IHI JU Work Programme (WP) specific conditions on Availability, Accessibility and Affordability (3A) apply to this topic JU's right to object to transfer/exclusive licensing Documents Where relevant, templates of the reference documents and associated guidance can be found on the IHI JU website . Application and evaluation forms and model grant agreement (MGA): Regarding the application forms for submitting proposals, the relevant templates and annexes are available to download in the submission system of the Funding and Tender Opportunities portal. The IHI JU 9 th Call for proposals full topics text is available here Evaluation form (Research and Innovation

IHI JU Evaluation form for Research and Innovation Actions (single and two-stage calls) Proposal templates (Research and Innovation Actions - single stage and 2nd Stage of two-stage calls) : Proposal template - Part A of the proposal is generated by the IT system in the submission environment (for more information see the HE Part A template here). In Part A of the proposal applicants insert general information on their proposal (e.g. proposal acronym), details on the participants, on the budget, information on Ethics and Security, as well as other type of questions (e.g. information on clinical studies). Please note that only Part A of this template is applicable for this Call. For Part B, see point below. Proposal template - Part B : IHI JU Proposal template (RIA/FP) - Part B Proposal Annexes : § Annex to the budget and type of participants The excel document template can be found here . Instructions on how to fill in the budget can be found here . Instructions on how to fill the type of participants can be found here . This is a compulsory annex, which complements the budget figures already included in the proposal budget in PART A. Its purpose is to correctly guide the consortium in providing IHI-specific budget items (e.g. IKOP, IKAA, FC PAID, FC RECEIVED) and to comply with IHI additional eligibility criteria (e.g. 45% industry contribution). § Annex: Declaration of in-kind contribution commitment The “ Declaration of in-kind contribution commitment” is an IHI specific annex and it is applicable to the single stage and second stage of two-stage Calls. The word document template can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: In-kind contributions to additional activities (IKAA) The ‘ ’In-kind contributions to additional activities (IKAA)” is an IHI specific annex. The excel template can be found here and the instructions on how to fill in this template can be found here . This is an optional annex . § Annex: Essential information for clinical studies The information on clinical studies is a Horizon Europe annex. If your proposal does not include clinical studies, please upload a statement declaring your proposal does not include clinical studies. The information on clinical studies annex can be found here . This is a compulsory annex and it must be uploaded as a separate document in the submission system. § Annex: Ethics This is a HE annex. Ethics self-assessment should be included in proposal part A. However, in Calls where several serious ethics issues are expected, the characters limit in this section of proposal part A may not be sufficient for participants to give all necessary information. In those cases, participants may include additional

information in an annex to proposal part B. This is an optional annex . §
Annex: Contributing partners The applicant contributing partner must send the pdf of the final signed letter to the coordinator of their proposal. The coordinators are responsible for uploading the final application letters in the EU Funding and Tenders Portal along with the rest of the proposal documents, as a part of the wider proposal. If the proposal includes more than one contributing partner, the coordinator must prepare one pdf document containing all the contributing partners' application letters. For more information please consult: <https://www.ih.europa.eu/shape-our-future-research/become-contributing-partner> This annex is compulsory only in case your proposal includes contributing partners . Model Grant Agreement (MGA)

HE General MGA v1.2 Additional documents:

Council Regulation (EU) 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe and repealing Regulations (EC) No 219/2007, (EU) No 557/2014, (EU) No 558/2014, (EU) No 559/2014, (EU) No 560/2014, (EU) No 561/2014 and (EU) No 642/2014 (in short Single Basic Act 'SBA' or Council Regulation (EU) 2021/2085).

IHI JU Work Programme (WP)

Strategic Research and Innovation Agenda (SRIA)

IHI JU Guide for Applicants

IHI JU FAQs Horizon Europe Reference Documents HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 3. Research Infrastructures HE Main Work Programme 2023–2025 – 4. Health HE Main Work Programme 2023–2025 – 5. Culture, creativity and inclusive society HE Main Work Programme 2023–2025 – 6. Civil Security for Society HE Main Work Programme 2023–2025 – 7. Digital, Industry and Space HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment HE Main Work Programme 2023–2025 – 10. European Innovation Ecosystems (EIE) HE Main Work Programme 2023–2025 – 11. Widening participation and strengthening the European Research Area HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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WATER

General Info

Topic ID : HORIZON-EIT-2025

Summary : WATER **Status :** Open

Deadline model : single-stage **Deadline :** 2025-06-17T00:00:00.000+0200 **Start Date :** 2025-02-20T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIT-2025>

Description

Expected Impact: Together with excellence, impact has been one of the guiding principles of the EIT since its creation. In a context of economic frailty, demonstrating a tangible and measurable impact is essential. The EIT Community is characterised by a focus on results and on achieving long-lasting impact in the way the EU approaches and manages innovation. It is therefore critical that the KIC demonstrates substantial impact at the socioeconomic level over time, and significant progress towards achieving its mission and objectives. The KIC should harvest intellectual, human, material and financial resources to create valuable outputs such as innovation communities, high quality curricula, start-ups, innovative products, services, technologies, through which it develops and sustains value-added business, enhances competencies necessary for innovation and entrepreneurship, and for developing solutions to major societal challenges. A KIC is expected to create the following impacts: • technological/economic/innovation impact by influencing the creation and growth of companies, as well as the creation and deployment at scale of new innovative solutions to address the global challenges, creating direct and indirect jobs and mobilising additional public and private investments; • educational impact by strengthening human capital in research and innovation, enhancing innovative and entrepreneurial skills both at individual and organisational levels and fostering the creation and diffusion of knowledge and innovation openly within society; • societal impact, including the impact derived by the delivery of systematic solutions within and beyond the EIT Community, also through Cross-KIC activities⁷, by addressing EU policy priorities in the Water, Marine and Maritime Sectors and Ecosystems (‘Water’) through innovative solutions, engagement with citizens and end-users and by strengthening the uptake of innovative solutions in these areas in society. This KIC's approach to building systemic impact should be aligned with and contribute to Horizon Europe impact pathway approach as well as the EIT Impact Framework KPIs. **Expected Outcome:** An EIT KIC promotes connectivity at all levels. It is an integrated partnership bringing together leading companies, higher education institutions, research organisations and other stakeholders in the innovation process to tackle pressing societal challenges through the development of products, services, processes and business models, and also by nurturing innovative, entrepreneurial individuals. A KIC connects excellence-driven innovation hubs, the Co-location Centres, to become leading centres of excellence, competing and collaborating with other innovation hubs across the world. A KIC follows a long-term innovation and impact-driven strategy, operating with a business logic and a results-oriented approach to contribute to the achievement of the EIT's overall mission, the priorities laid down in the EIT Strategic Agenda 2021-2027 and the attainment of the general objectives established in Horizon Europe. A KIC delivers a whole range of world-class activities bringing together actors from different sides of the knowledge triangle (business, education and research) encompassing the whole innovation value chain within a particular field. A KIC's portfolio of activities typically includes, inter alia: entrepreneurial education and training programmes, research-driven innovation projects, and incubation of and support to start-ups and scale-ups. The EIT also encourages close collaboration between all its KICs. A KIC is established as a legally and financially structured transparent partnership with a substantial degree of autonomy to set up its own governance system

based on good governance principles provided by the EIT. A strong commitment by KIC partners, including financial support, is indispensable. It is mandatory for the KICs to remain open and flexible to attract new partners who bring added value to the partnership. The obligation for a KIC to become financially sustainable in the long-term is a unique feature of the EIT's innovation model. In this context, a KIC must develop and implement a revenue-generating strategy to maintain its innovation ecosystem and activities beyond the period during which the EIT provides financial support through grant agreements. In pursuing financial sustainability, the KIC should look for a diversification of its revenue and investment sources by mobilising funds from other public and private sources and to attract and engage the widest possible range of relevant new partners. The KIC should aim to maximise the share of contributions from private sources and from income generated by its activities and revenue-generating assets to pursue and achieve financial sustainability at the latest before the expiry of the Partnership Agreement with the EIT. The EIT Regional Innovation Scheme (RIS) is mandatory for all KICs and an integral part of its multi-annual strategy. EIT RIS activities support the improvement of innovation capacity of countries, and regions in those countries, which are classified as modest and moderate innovation performers according to the European Innovation Scoreboard, as well as the Outermost Regions, and facilitate the integration of new partners from those regions and countries into the KIC's communities. The KIC's EIT RIS activities should be aligned with the EIT RIS Implementation Framework (2022-2027) and deliver on the EIT RIS objectives presented in the EIT legislative framework. In addition, a KIC is expected to take part in the EIT Higher Education Institutions (HEI) Initiative helping higher education institutions to build their capacity to innovate and to teach innovation and entrepreneurship. Objective: The European Institute of Innovation and Technology (EIT) is a key driver of sustainable European economic growth and competitiveness. It reinforces the innovation capacity of the EU and its Member States to address the grand challenges facing European society. During the 2021 to 2027 period, the EIT contributes to the general objectives of Horizon Europe – the Framework Programme for Research and Innovation by integrating the entrepreneurship-driven 'knowledge triangle' of business, higher education and research to boost disruptive innovation across Europe. To further enhance its impact and to incentivise the innovations needed to meet new societal challenges, the EIT will, as established in the EIT Regulation and EIT Strategic Innovation Agenda (SIA) 2021-2027 gradually expand its portfolio of Knowledge and Innovation Communities (KICs). With this Call for Proposals, the EIT launches the selection process for a new KIC in the thematic area of Water, Marine and Maritime Sectors and Ecosystems. Partners in an EIT KIC design a realistic, specific, measurable, achievable and time-dependent strategy to address the concrete challenges posed in their thematic field. The strategy is accompanied by specific, relevant and measurable strategic objectives. This strategy must be aligned with the EIT's strategic objectives, cover at least 7 years and be based on the overriding principle of knowledge triangle integration, impact and excellence. EIT KICs' strategic outlook considers where the highest innovation and commercialisation potential lies, and where the most significant impact can be achieved through integrating entrepreneurship and skills education, innovation and business creation / acceleration. Scope: The Commission ex-ante analysis on the relevance of a new EIT KIC on Water, Marine and Maritime Sectors and Ecosystems reconfirmed relevance of the challenges faced by Water, Marine and Maritime Sectors and Ecosystems identified in the EIT Strategic Agenda 2021-27 and the relevance of the KIC innovation model in delivering solutions in response to these challenges. Furthermore, a KIC with an integrated approach to water, marine and maritime sectors and ecosystems holds significant potential in addressing fragmentation (incl. through EIT Regional Innovation Scheme), skills gaps and serves as a vital connecting node. The new KIC shall add value and demonstrate excellence in each activity area (innovation, entrepreneurship and skills education and business creation / acceleration), widely cover the relevant fields of the water, marine and maritime sectors and ecosystems and have a strategy in place to build on and upscale innovative solutions developed under existing programmes and initiatives such as Horizon Europe, EU Missions – notably the Mission Restore our Ocean and Waters – and relevant Horizon Europe partnerships. For information on the thematic scope of this KIC, please consult the SIA factsheet on Water, Marine and Maritime Sectors and Ecosystems and the Commission Staff Working document on a Commission ex-ante analysis on the relevance of a new Knowledge and Innovation Community of the European Institute of Innovation and Technology on Water, Marine and Maritime Sectors and Ecosystems and confirming its launch in 2026, also available in the annexes of this call.

Conditions

General conditions

1. Admissibility Conditions and documents Admissibility conditions are described in section 6.1 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document. Proposal page limits and layout are described in section 5.2 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document.
2. Eligible Countries: are described in section 6.2 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide.

3. Other Eligibility Conditions: are described in section 6.2 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document.
4. Financial and operational capacity and exclusion: are described in sections 6.3, 6.4 and 6.5 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in section 6.6 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document. 5b. Evaluation and award: Submission and evaluation processes are described in chapter 6 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement are described in section 5.1 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document.
5. Legal and financial set-up of the grants are described in chapter 7 of the EIT Call for Proposals 2025 for a new EIT Knowledge and Innovation Community (KIC) on Water, Marine and Maritime Sectors and Ecosystems (EIT Water) document. Specific conditions not applicable. Call documents: EIT WATER Call Package Application and evaluation forms and model grant agreement (MGA): Guidance HE Programme Guide Model Grant Agreements (MGA) HE MGA Additional documents: EIT Water factsheet EIT Innovation Model paper EIT Strategic Innovation Agenda 2021-2027 EIT Work Programme 2023-2025 EIT KIC Partnership Agreement European Commission Staff Working Document HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European Master Programme for HPC

General Info

Topic ID : DIGITAL-EUROHPC-JU-2024-MASTER-03

Summary : European Master Programme for HPC **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-14T00:00:00.000+0200 **Start Date :** 2024-12-03T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-EUROHPC-JU-2024-MASTER-03>

Description

Expected Outcome: A quality, internationally competitive MSc programme in HPC across the Union with measurable key performance indicators and addressing requirements and needs of the European industry Advancing European expertise and leadership for HPC by improved coordination and increased availability of educational activities on HPC Skilled workforce and a large number of new specialists, in particular from underrepresented groups, trained in the use possessing advanced skills of current and future generation HPC and HPC-related technologies and application, making them highly qualified professionals capable of designing, optimizing, and implementing complex computational solutions ready to be employed by the European industry. Increased competitiveness and innovation by contributing to the development of a more skilled and knowledgeable HPC workforce, which would enhance the competitiveness and innovation potential of European companies and research institutions. Transfer of knowledge between academia and industry, ensuring that theoretical concepts are effectively applied in practical contexts. A new generation of researchers equipped to tackle grand challenges in various fields, driving advancements in HPC, also addressing pressing societal challenges, such as climate modelling, drug discovery, and healthcare optimisation, through advanced computational methods. Collaboration between universities and institutions across Europe to promote the exchange of best practices,

educational resources, and teaching methodologies. Increased mobility and employability by facilitating the recognition and validation of HPC skills and qualifications across Europe, making it easier for HPC professionals to move between different countries and for employers to compare and assess the qualifications of potential candidates. Objective: Central objective of this action is to design and establish a pan-European Master of Science (MSc) programme in High Performance Computing, based on insights from the previous EUMaster4HPC pilot project. The chosen project should train specialists in HPC by delivering advanced HPC-focused education and training in areas such as system architecture and design, operation, software development, and HPC utilization. The programme will be tailored to meet industry and labour market demands, ensuring that graduates are well-prepared to address current and future challenges in the field. Scope: Proposals under this action should detail a European Master programme in HPC that aims to develop a quality-controlled educational master programme for HPC that targets to train future HPC experts according to the needs of the European labour market. The action will deliver a master programme of pan-European reach for 100+ students per annual intake, equivalent to 120 ECTS and targeting advanced and cutting edge skills required for research and industrial HPC. Four cohorts of students should complete the Master programme during the duration of the project.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) DEP MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Non-thematic development actions by SMEs

General Info

Topic ID : EDF-2025-LS-DA-SME-NT

Summary : Non-thematic development actions by SMEs **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-DA-SME-NT>

Description

Expected Impact: The outcome should contribute to: Innovative, rapid and cost-effective solutions for defence applications. Ground-breaking or novel concepts and approaches, new promising future technological improvements or the application of technologies or concepts previously not applied in the defence sector. Enhanced innovation capacity across Europe by involvement of SMEs that can make a difference in the future. Potential for future market creation for SMEs, especially by facilitating access of SMEs to defence markets and supply chains. Contribution to the development of EDTIB ecosystems and to the strengthening of EU Member States' and EDF Associated Countries' defence supply chains. **Objective:** This call topic encourages the driving role of innovative SMEs to turn technology and research results into defence products in a fast and cost-efficient way, possibly by adapting technologies from civil applications or addressing hybrid warfare. **Scope:** The proposals must address innovative defence products, solutions and technologies, including those that can improve readiness, deployability, reliability, safety and sustainability of forces in defence tasks and missions, for example in terms of operations, equipment, infrastructure, energy solutions, surveillance systems or digital solutions. The proposals must address any area of interest for defence. In addition, to best complement R&D efforts already targeting civil applications and to encourage the efficient spinning-in of knowledge, innovation and technological development to the defence sector, this call topic also welcomes proposals for add-on development actions to adapt solutions originally developed for civil applications and previously not applied in defence sector. The proposals should drive forward or integrate results of projects funded under EU funded programme calls with a focus on civil applications and under the provision that the applicants have the necessary rights to access and commercialise the results of the precursor projects. **Types of activities** The following types of activities are eligible for this topic: **Types of activities (art 10(3) EDF Regulation) Eligible?** (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) No (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes (e) System prototyping of a defence product, tangible or intangible component or technology Yes (f) Testing of a defence product, tangible or intangible component or technology Yes (g) Qualification of a defence product, tangible or intangible component or technology Yes (h) Certification of a defence product, tangible or intangible component or technology Yes (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies Yes The proposals must address at least one activity among design, system prototyping, testing, qualification, certification and increasing efficiency. The proposals must describe a clear work breakdown structure and link the proposed tasks to eligible activities. The proposals should include clear descriptions of the proposed criteria to assess work package completion. **Functional requirements** This call topic is open to any technology development for defence. The proposals should describe the targeted functionalities and the foreseen means to measure progress toward the achievements of these functionalities.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. **Eligible Countries** described in section 6 of the call document .
3. **Other Eligible Conditions** described in section 6 of the call document .
4. **Financial and operational capacity and exclusion** described in section 7 of the call document . 5a. **Evaluation and award:** Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. **Evaluation and award:** Award criteria, scoring and thresholds described in section 9 of the call document . 5c. **Evaluation and award:** Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. **Legal and financial set-up of the grants** described in section 10 of the call document . **Call document and annexes:** Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF LS DA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Cofinancing declaration (EDF DA, DA LS AND ASAP) Actual indirect cost methodology declaration (EDF) Harmonised capability declaration (EDF DA AND DA LS) Declaration on procurement intent and common specifications (EDF DA AND DA LS) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal

Budget Overview

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Call Town Twinning 2025

General Info

Topic ID : CERV-2025-CITIZENS-TOWN-TT

Summary : Call Town Twinning 2025 **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-17T00:00:00.000+0200 **Start Date :** 2025-04-09T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CERV-2025-CITIZENS-TOWN-TT>

Description

Objective: The programme helps to promote intercultural dialogue by bringing people of different nationalities and different languages together and giving them the opportunity to participate in common activities. In this context, Town-Twinning projects will raise awareness of the richness of Europe's cultural and linguistic environment and promote mutual understanding and respect, contributing to the development of a respectful, dynamic and multifaceted European identity and the respect of common values, democracy and fundamental rights. In view of this overall objective, the projects may address the following topics (the list is not exhaustive):

- The EU is built on solidarity: solidarity between its citizens, solidarity across borders between its Member States, and solidarity through support actions in and beyond the EU. Solidarity is a shared value that creates cohesion and responds to societal challenges. Town-Twinning projects will help to overcome national perceptions by fostering mutual understanding and by creating fora where common solutions can be discussed in a constructive way. Their aim should be to raise awareness of the importance of reinforcing the European integration process based on solidarity and EU values;
- Town-Twinning projects will give citizens the opportunity to express what kind of Europe they want. Debates supported under the Town-Twinning measure should be based on the EU's specific achievements and on lessons learnt from history and from European integration. They should also reflect on current trends, and enable participants to challenge euroscepticism and to suggest possible actions that the EU could take to foster a sense of belonging to Europe, to increase an understanding of the benefits of the EU and to reinforce the EU's social and political cohesion. Projects aiming at benefiting not only the direct participants but also the citizens of the participating towns are particularly encouraged, as these can help to multiply the practical experience of the richness and diversity of the common heritage of the Union. Also, there may be a general, but not exclusive, reflection on any impact the COVID-19 pandemic may have had on life within the applicants' local communities, on the way in which their communities function and on the forms that civic participation and solidarity took in the applicants' towns under the COVID-19 crisis and how these forms could become sustainable in the future. Projects may also draw inspiration from or be related to the New European Bauhaus initiative.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .

3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion Described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document .
5. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: 09 February 2025 . Deadline for submitting applications: 17 September 2025 17:00 (Brussels time). Evaluation period: October 2025 - February 2026 Information to applicants: March 2026 Signature of grant agreement: April/May 2026 .
6. Legal and financial set-up of the grants n/a Call document Call document and annexes: Call document Application form templates Standard application form (CERV) — the application form specific to this call is available in the Submission System Standard application form (CERV OG) — the application form specific to this call is available in the Submission System Standard application form (CERV FPA OG) — the application form specific to this call is available in the Submission System Detailed budget table (CERV LSII) Calculator (CERV LS REM, CIV and NETW) Calculator (CERV LS TownTT) Calculator (CERV LS NCP) Model Grant Agreements (MGA) CERV MGA Lump Sum MGA Operating Grants MGA Framework Partnership Agreement FPA Additional documents: CERV Work Programmes CERV Regulation 2021/692 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European mini-slate development

General Info

Topic ID : CREA-MEDIA-2025-DEVMINISLATE

Summary : European mini-slate development **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-17T00:00:00.000+0200 **Start Date :** 2025-04-08T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-DEVMINISLATE>

Description

Scope: The objective of the European mini-slate development support is to foster the competitiveness of European independent production companies and to increase their economic weight on the market. The aim is also to increase the capacity of audiovisual producers to develop projects with the potential to circulate throughout Europe and beyond, and to facilitate European and international coproduction. The support will also provide an entry point for emerging talent, giving them the opportunity to direct a short film supported by the strong foundation provided by experienced companies. Expected results A stronger position on European and international markets for companies selected under European mini-slate development. Increased quality, feasibility, cross-border potential and market value of European works supported. Description of the activities to be funded Support will be given to independent European production companies able to develop a slate of 2 to 3 audiovisual works (fiction, animation, creative documentary). This should allow production companies to reduce risks and increase their capacity to attract and retain talents. The European mini-slate development shall provide support to the development of minimum 2 and maximum 3 works for commercial exploitation intended for cinema release, television broadcasting or commercial exploitation on digital platforms or a multi-platform environment in the following categories: animation, creative documentary or fiction. Applicants may add a short film by emerging talent to their slate (optional). The aim is to provide funds to audiovisual production companies to develop work with high creative value and cultural diversity and wide cross-border exploitation potential. Companies

are encouraged to develop strategies for marketing and distribution from the outset of the development phase thus improving the potential to reach audiences at a European and international level. Greater cooperation, including co-development, between operators from different countries participating in the MEDIA Strand is also pursued as well as strengthening the competitiveness of European audiovisual production companies by consolidating their capacity for investment in the development phase and expanding companies' activities and their innovation capacity to explore new fields and markets. Special attention will be given to applications presenting adequate strategies to ensure a more sustainable and more environmentally-respectful industry and to ensure gender balance, inclusion, diversity and representativeness.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation criteria, scoring, threshold and process are described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: December 3, 2024. Deadline for submitting applications: September 17, 2025 17:00 (Brussels time). Evaluation period: September 2025 - January 2026. Information to applicants: March 2026. Signature of grant agreement: June 2026.
5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System Calculator (CREA MEDIA LS DEVSLATE and DEVMINISLATE) Creative dossier (CREA MEDIA CODEV, DEVSLATE and DEVMINISLATE) Declaration on independence and European ownership (CREA MEDIA) Declaration on language of the submitted materials (CREA MEDIA) Model Grant Agreements (MGA) CREA MGA Lump Sum MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2024/2 509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Establishing capacities for active surveillance of highly pathogenic avian influenza in wild birds in Europe - Western Black Sea Region

General Info

Topic ID : EUBA-EFSA-2025-BIOHAW-03-02-LOT2

Summary : Establishing capacities for active surveillance of highly pathogenic avian influenza in wild birds in Europe - Western Black Sea Region **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-22T00:00:00.000+0200 **Start Date :** 2025-03-25T00:00:00.000+0100

Description

Objective: ‘Only competent organisations , based on designations by Member States, are eligible to apply to the call’.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Eligibility criteria: as described in section 2.2 of the call for proposals document
2. Eligible Countries. Eligibility criteria: as described in section 2.2 of the call for proposals document. To be eligible, applicants must be on the list of competent organisations designated by the Member States in accordance with Article 36 of Regulation (EC) 178/2002 and Commission Regulation (EC) 2230/2004. This list is regularly updated by EFSA Management Board and is available for consultation using this link <https://efsa.force.com/competentorganisations/s/>
3. Other Eligible Conditions. Other eligibility conditions as described in section 2.2 of the call for proposals document.
4. Financial and operational capacity and exclusion. Financial and operational capacity: as described in section 2.4 of the call for proposals document. 5a. Evaluation and award: Submission and evaluation processes Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document. Submission modalities: as described in section 3 of the call for proposals document. 5b. Evaluation and award: Award criteria, scoring and thresholds. Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement. described in section 'Indicative procedure timetable' page 2 of the call for proposals document.
5. Legal and financial set-up of the grants. as described in section 1.5 of the call for proposals document and in the Draft Grant agreement. See section Call documents and annexes below Call document and annexes. Call document · Call for proposals · Annex 1 draft Grant Agreement Application form templates to be downloaded from the EU Funding and Tender portal Submission Service. Additional documents. EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Establishing capacities for active surveillance of highly pathogenic avian influenza in wild birds in Europe - Wadden Sea Region

General Info

Topic ID : EUBA-EFSA-2025-BIOHAW-03-01-LOT1

Summary : Establishing capacities for active surveillance of highly pathogenic avian influenza in wild birds in Europe - Wadden Sea Region **Status** : Open

Deadline model : single-stage **Deadline** : 2025-05-22T00:00:00.000+0200 **Start Date** : 2025-03-25T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUBA-EFSA-2025-BIOHAW-03-01-LOT1>

Description

Objective: Only competent organisations , based on designations by Member States, are eligible to apply to the call.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Eligibility criteria: as described in section 2.2 of the call for proposals document
2. Eligible Countries. Eligibility criteria: as described in section 2.2 of the call for proposals document. To be eligible, applicants must be on the list of competent organisations designated by the Member States in accordance with Article 36 of Regulation (EC) 178/2002 and Commission Regulation (EC) 2230/2004. This list is regularly updated by EFSA Management Board and is available for consultation using this link <https://efsa.force.com/competentorganisations/s/>
3. Other Eligible Conditions. Other eligibility conditions as described in section 2.2 of the call for proposals document.
4. Financial and operational capacity and exclusion. Financial and operational capacity: as described in section 2.4 of the call for proposals document. 5a. Evaluation and award: Submission and evaluation processes Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document. Submission modalities: as described in section 3 of the call for proposals document. 5b. Evaluation and award: Award criteria, scoring and thresholds. Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement. described in section 'Indicative procedure timetable' page 2 of the call for proposals document.
5. Legal and financial set-up of the grants. as described in section 1.5 of the call for proposals document and in the Draft Grant agreement. See section Call documents and annexes below Call document and annexes. Call document · Call for proposals · Annex 1 draft Grant Agreement Application form templates to be downloaded from the EU Funding and Tender portal Submission Service. Additional documents. EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Non-thematic research actions by SMEs and research organisations

General Info

Topic ID : EDF-2025-LS-RA-SMERO-NT

Summary : Non-thematic research actions by SMEs and research organisations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-16T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EDF-2025-LS-RA-SMERO-NT>

Description

Expected Impact: The outcome should contribute to: Innovative and cost-effective solutions for defence applications. Ground-breaking or novel concepts and approaches, new promising future technological improvements or the application of technologies or concepts previously not applied in the defence sector. Enhanced innovation capacity across Europe by involvement of SMEs that can make a difference in the future. Potential for future market creation for SMEs, especially by facilitating access of SMEs to defence markets and supply chains. Development of European research and technology ecosystems and to the strengthening of EU Member States' and EDF Associated Countries' defence supply chains.

Objective: This call topic encourages the driving role of innovative SMEs and Research Organisations (RO) in bringing forward innovation defence research, possibly by adapting technologies from civil applications or addressing hybrid warfare.

Scope: The proposals must address innovative technologies and solutions for defence, including those that can improve readiness, deployability, reliability, safety and sustainability of forces in defence tasks and missions, for example in terms of operations, equipment, infrastructure, energy solutions, surveillance systems or digital solutions. The proposals must address any area of interest for defence. In addition, to best complement R&D efforts already targeting civil applications and to encourage the efficient spinning-in of knowledge, innovation and technological development to the defence sector, this topic also welcomes proposals for add-on research actions to adapt solutions originally developed for civil applications and previously not applied in defence sector. The proposals should drive forward or integrate results of projects funded under EU funded programme calls with a focus on civil applications and under the provision that the applicants have the necessary rights to access and commercialise the results of the precursor projects.

Types of activities

The following types of activities are eligible for this topic: Types of activities (art 10(3) EDF Regulation) Eligible?

- (a) Activities that aim to create, underpin and improve knowledge, products and technologies , including disruptive technologies, which can achieve significant effects in the area of defence (generating knowledge) Yes
- (b) Activities that aim to increase interoperability and resilience, including secured production and exchange of data, to master critical defence technologies, to strengthen the security of supply or to enable the effective exploitation of results for defence products and technologies (integrating knowledge) Yes
- (c) Studies , such as feasibility studies to explore the feasibility of new or upgraded products, technologies, processes, services and solutions Yes
- (d) Design of a defence product, tangible or intangible component or technology as well as the definition of the technical specifications on which such design has been developed, including partial tests for risk reduction in an industrial or representative environment Yes
- (e) System prototyping of a defence product, tangible or intangible component or technology No
- (f) Testing of a defence product, tangible or intangible component or technology No
- (g) Qualification of a defence product, tangible or intangible component or technology No
- (h) Certification of a defence product, tangible or intangible component or technology No
- (i) Development of technologies or assets increasing efficiency across the life cycle of defence products and technologies No

The proposals must not cover studies only. The proposals must describe a clear work breakdown structure and link the proposed tasks to eligible activities. The proposals should include clear descriptions of the proposed criteria to assess work package completion. Functional requirements

This call topic is open to any technological research for defence. The proposals should describe the targeted functionalities and the foreseen means to measure progress toward the achievements of these functionalities.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document .
- 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual .
- 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document .
- 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call

document .

5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes:
Call document Application form templates Standard application form (EDF) — the application form specific to this call is available in the Submission System Detailed budget table (EDF LS RA) Participant information (EDF) List of infrastructure, facilities, assets and resources (EDF) Actual indirect cost methodology declaration (EDF) Ownership control declaration PRS declaration (EDF) Model Grant Agreements (MGA) EDF, ASAP and EDIRPA Lump Sum MGA Additional documents: EDF Annual Work Programme EDF Regulation 2021/697 EDF Programme Security Instruction (PSI) EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support to EFSA for the risk assessment of pesticides

General Info

Topic ID : EUBA-EFSA-2025-PREV-02

Summary : Support to EFSA for the risk assessment of pesticides **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-22T00:00:00.000+0200 **Start Date :** 2025-03-04T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUBA-EFSA-2025-PREV-02>

Description

Objective: Only competent organisations , based on designations by Member States, are eligible to apply to the call.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout
2. Eligibility criteria: as described in section 2.2 of the call for proposals document
3. Eligible Countries
4. Eligibility criteria: as described in section 2.2 of the call for proposals document. o be eligible, applicants must be on the list of competent organisations designated by the Member States in accordance with Article 36 of Regulation (EC) 178/2002 and Commission Regulation (EC) 2230/2004. This list is regularly updated by EFSA Management Board and is available for consultation using this link <https://efsa.force.com/competentorganisations/s/>
5. Other Eligible Conditions Other eligibility conditions as described in section 2.2 of the call for proposals document
6. Financial and operational capacity and exclusion Financial and operational capacity: as described in section 2.4 of the call for proposals document 5a. Evaluation and award: Submission and evaluation processes Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document. Submission modalities: as described in section 3 of the call for proposals document 5b. Evaluation and award: Award criteria, scoring and thresholds Evaluation and Award criteria: as described in section 2 and 2.5 of the call for proposals document 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 'Indicative procedure timetable' page 2 of the call for proposals document

7. Legal and financial set-up of the grants as described in section 1.5 of the call for proposals document and in the Draft Grant agreement See section Call documents and annexes below. Call document and annexes: Call for proposals after corrigendum 1 Annex 1 - draft Framework Partnership Agreement Annex 1.1 - draft Specific Agreement Corrigendum 1 Clarifications Additional documents: EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Consolidation of the network of European Digital Innovation Hubs (EDIHs with reinforced AI focus)

General Info

Topic ID : DIGITAL-2025-EDIH-EU-EEA-08-CONSOLIDATION-STEP

Summary : Consolidation of the network of European Digital Innovation Hubs (EDIHs with reinforced AI focus) **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-14T00:00:00.000+0200 **Start Date :** 2025-04-03T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-EDIH-EU-EEA-08-CONSOLIDATION-STEP>

Description

Expected Outcome: Expected Outcome and Deliverables Each EDIH will support the digital transformation of SMEs, mid-caps, and public sector organizations within its geographical area and area of expertise, while also aiming to extend its impact beyond its immediate region. An EDIH can select to focus on specific group(s) of clients (e.g. mainly SMEs or mainly public sector). Each selected project will provide the four core types of services (testing before investing, training and skills development, support to find investments, networking and access to innovation ecosystems) covering a wide range of digitalisation needs, from mainstream technologies and AI capacities to specialised technologies. The services will be provided seamlessly, through proxies when required, maintaining consistency and accessibility for stakeholders. EDIHs complement and build synergies with existing regional and national initiatives, collaborate with the EU AI Innovation infrastructures and will become a central point for companies and public sector ensuring a flexible and seamless digital journey and referring them to the services provided by these AI innovation infrastructures where appropriate. All together, EDIHs will contribute to consolidation of a balanced network of EDIHs, ensuring the broadest coverage of regions in Europe, addressing the needs of public and private sectors across all economic sectors, fostering cross-regional collaboration and resource sharing and offering a wide range of digitalisation services, from mainstream to specialised technologies. The following indicators will be used to evaluate the performance of the hub; proposals should define their indicators as well as the targets related to each of them: Number of entities which have used the European Digital Innovation Hubs' services, by user category (businesses of different sizes, public sector entities, etc.), sector, location, by technology and type of service received. Specific sub-indicators have to be proposed when the services are related to develop and uptake AI solutions, and will include a description of which European AI Innovation Infrastructures have been used (such as the AI-on-Demand platform) or referred to (such as the AI Factories). Number of entity referral to European AI Innovation Infrastructures For access to finance: amount of additional investments successfully triggered (e.g. through venture capital, bank loan, etc.) Number of collaborations foreseen with other EDIHs and stakeholders outside the region at EU level, and description of jointly shared infrastructures / joint investments with other EDIHs. A set of additional impact indicators will be collected and analysed with the support of the Digital Transformation Accelerator: Increase in digital maturity of organizations that have used the services of the EDIH network. Digital maturity will be defined on the basis of a questionnaire assessing the categories of digital strategy and

readiness, intelligence and automation, and data and connectedness, sustainable and human-centric digitalisation. EDIHs will administer the questionnaire at the start of the engagement with a client, and later after having delivered services, and report without delay the results to the DTA repository. Increase in number of companies benefiting from the use of European AI technology. Cross-border trans-national hubs are possible with several countries jointly proposing and co-funding cross-border trans-national hubs, serving neighbouring regions in different countries, tackling common challenges identified in the border regions and exploiting the untapped growth potential in border areas. In this case, only the share of the funding of each country involved in the cross-border trans-national will be taken into account for the total amount of funding for that country.

Objective: The objective of this call is the consolidation of the network of European Digital Innovation Hubs (EDIHs) aiming to cover all regions of the European Union and Associated Countries, including the EU's outermost regions, by strengthening its performance and capacity to meet local, regional, national and European digitalisation needs. With increased experience and capacities, the EDIHs will continue providing the complete set of services of an EDIH, including the necessary infrastructure, focusing primarily on specific geographical areas, and covering the digital transformation needs of local SMEs, mid-caps and/or public sector organisations. Considering the transformation potential of AI technologies, these will be a reinforced focus of EDIHs' operations under this call. The consolidation of the EDIHs network will be pivotal in supporting the wide deployment and uptake of European AI technologies, solutions, and tools and in promoting the adoption of other crucial digital technologies, while upholding Union values and human-centric perspective. Furthermore, the network will harness the potential of green digital technologies, advancing Europe's collective climate and environmental goals. This approach not only enhances the resilience of Europe's industry but also boosts its strategic autonomy. With its enhanced presence in countries associated to Digital Europe, the EDIH network will help bridge technology gaps, and support competitiveness and economic convergence. EDIHs will collaborate with the EU AI Innovation infrastructures and will become a central point for companies and public sector ensuring a flexible and seamless digital journey and referring them to the services provided by these AI innovation infrastructures where appropriate. This collaboration does NOT mean that EDIHs need to integrate a representative of each EU AI infrastructures in their own consortium. It means that EDIHs have to map out these infrastructures, establish contacts with them and help their customer benefit from the services provided by the other initiatives in a client journey perspective. These collaborations will not only accelerate the deployment of AI technologies but also ensure that these technologies are applied effectively and ethically. EDIHs will play a pivotal role in bridging the gap between AI research and real-world applications, driving economic growth and improving public services across Europe. The EDIHs will act as a multiplier and widely diffuse the use of all the digital capacities built up under the different specific objectives of the Digital Europe Programme and including the effective use of key digital standards. To the extent possible, the EDIHs should use the AI solutions of European start-ups and SMEs and/or those provided and stemming from EU projects, including from the AI-on-Demand Platform. Highlighting the vital importance to strengthen the value chains of critical digital technologies, the EDIHs should closely collaborate with AI Factories as well as with the High-Performance Computing competence centres. Where relevant, the EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing, wherever needed, also access to AI training. It should be avoided that there is duplication of actions of the other AI innovation infrastructures and the EDIHs, and therefore working arrangements will be agreed among them, where the focus of the EDIHs will be on their role as multiplier and reaching out to all regions in Europe. Proposals will describe the planned delivery of AI services and referral mechanisms. Countries associated to the Digital Europe Programme recently associated to the Digital Europe Programme participated in the call organised in 2024 that leads to the launch of several EDIHs in these countries starting in 2025. It is crucial to consolidate a stronger and more comprehensive network with a call to the EDIHs with a Seal of Excellence in these countries. By incorporating new EDIHs in these countries, the EDIH network can tap into a broader pool of expertise, resources, and innovation ecosystems, enhancing its capacity to drive digital transformation and Artificial Intelligence (AI) adoption across the continent. Furthermore, this expansion will enable the hubs to refocus on the uptake and wide deployment of European AI solutions and tools, fostering a more robust and competitive European digital landscape. Most importantly, the widened network will ensure that a larger number of customers, including Small and Medium-sized Enterprises (SMEs), midcaps, and public administrations, can benefit from the digital transformation and AI revolution, thereby promoting economic growth, social prosperity, and regional development across the entire Europe.

Scope: Each EDIH will provide services based on a specific focus and expertise, which will support the local private and public sector with their digital transformation with particular focus on support to development, training deployment and uptake of European AI. This specialisation can be strengthened over time and should make use of existing local competencies in this area. The EDIH network is dedicated to promoting and facilitating the digital transformation of SMEs and public services through four types of services:

- Test before invest: providing access to technical expertise and experimentation facilities, in particular to AI-related services.
- Training and skill development: offering training sessions to SMEs and public services for upskilling and reskilling of the workforce.
- Support to identify and facilitate access to potential financing sources to support digital transformation.
- Foster an innovation ecosystem and networking opportunities.

Each EDIH is expected to provide all four types of services. They can however have different weights in the overall services portfolio. The services will be provided on an open, transparent and non discriminatory basis and will be targeted mainly to (1) SMEs and mid-caps and/or (2) public sector organisations conducting non-economic activities. Each EDIH will act as an access point to the European network of EDIHs, helping local companies and/or public actors to get support from other EDIHs in case the needed competences

fall outside their remit, ensuring that every stakeholder gets the needed support wherever it is available in Europe. Reversely, each EDIH will support the companies and public actors from other regions and countries presented by other EDIHs that need their expertise. The EDIHs will also serve as contact point for the AI innovation infrastructures as described above, notably the AI factories, AI-on-demand platform and TEFs, and offer a first-line AI help desk to businesses and public sector organisations, including basic information on compliance with the AI Act as well as relevant sources of further information and ensuring a broad adoption of strategic technologies supporting the development of an AI Continent. Each EDIH will make available the relevant experimentation facilities and demonstrators related to its specialisation. SMEs, mid-caps, and the public sector will be able to test the technologies proposed, including where relevant their environmental impact, and the feasibility of applying these technologies to their business before further investing in it. Likewise, EDIHs will harness the potential of green digital technologies, advancing Europe's collective climate and environmental goals. EDIHs will also provide access to finance services including providing information and facilitating access to public and private funding sources as well as to public and private investors. The EDIHs will be active in networking with other hubs, sharing best practices and specialist knowledge, in bringing companies into contact with other companies of their value chain, and in seeking synergies with innovators and early adopters that test solutions in novel experiments and can foster the adoption of digital technologies, and notably AI, in working and business environments in a more human-friendly way. EDIHs will also play a brokering role between public administrations and companies providing e-government technologies. In all the networking activities, EDIHs will be supported by the Digital Transformation Accelerator (DTA) and therefore it is compulsory that EDIHs participate actively in the relevant support activities of the Digital Transformation Accelerator, such as matchmaking, training, and capacity building events. The Digital Transformation Accelerator in cooperation with the Commission will also host tools, such as the Digital Maturity Assessment Tool, and have the role to centralise overall Key Performance Indicators (KPIs) of the network, and therefore each EDIH will report the necessary information to the DTA. EDIHs are encouraged to make use of the digital tools provided but are also free to use their own tools. However, interoperability with the EDIH network tools is a requirement, so that users of the EDIHs will have a seamless experience. DTA will organize events and activities for the network of EDIH, to share information and experiences, train, build cohesion. EDIHs should foresee active participation in those events and activities. The EDIHs should closely collaborate with the AI factories as well as with the High-Performance Computing competence centres, the Cybersecurity centres, the AI Testing and Experimentation Facilities, and other EDIHs seeking complementarities in view of supporting companies and public sector organisations with their digital transformation. To the extent possible, the EDIHs should use the AI solutions of European start-ups and SMEs and/or those provided and stemming from EU projects, including from AI on Demand Platform. Where relevant, the EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing, wherever needed, also access to AI training. EDIHs will maintain structured long-term relationships with the relevant local actors like regional authorities, industrial clusters, SME associations, business development agencies, incubators, accelerators, chambers of commerce, and partners of the Enterprise Europe Network (EEN), Cybersecurity Centres and Startup Europe by offering joint investor-related events, organising common trainings, workshops or info days, referring SMEs from EEN to EDIHs and from EDIHs to EEN according to their specific needs. It is expected that local actors planning mutual support with a local EDIH will sign a Memorandum of Understanding for a proper governance of their collaboration . Additionally, EDIHs will serve as an interface for the European Commission to support the implementation of specific sectorial policies, SME policies and eGovernment policies. This will imply that EDIHs specialised in a specific sector could be consulted on policies related to their sector of competence and could participate in specific actions. EDIHs will design operations to achieve sustainability level beyond the implementation and will indicate how they will build local capacity, foster community ownership, and integrate the initiative into their ecosystems. The total public funding for this action may be up to 100% of eligible costs (50% coming from the Digital Europe Programme and up to 50% coming from the Member States). Proposals will describe their co funding sources (e.g. public funding and remaining amounts to be paid by customers) and how they will achieve economic sustainability for their operations. In line with Appendix 6 on State Aid, Member States have to ensure that State aid is granted in line with the applicable State aid rules, such as de minimis or GBER (ensuring compliance with GBER compatibility conditions, including on aid intensities and notification thresholds set out in Article 4 GBER).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c.

- Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table - available in the Submission System Digital Europe Programme - General MGA v1 Guidance Classification of information in DIGITAL projects Guidelines on How to Complete your Ethics Self-Assessment Digital Europe Work Programme 2025-2027 Digital Europe Programme Regulation 2021/694 EU Financial Regulation 2024/2509, Regulation - EU, Euratom - 2024/2509 - EN - EUR-Lex Additional documents:

Budget Overview

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ATM impact on climate change

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA1-1

Summary : ATM impact on climate change **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-ER-03-WA1-1>

Description

Expected Outcome: To significantly advance the following development priority: FR-1 ATM impact on climate change . Specific requirement for this topic Any proposal addressing non-CO 2 impacts shall take into consideration on-going work under the “Aviation Non-CO 2 Expert Network (ANCEN)” and feed into the community work. ANCEN goal is to facilitate a coordinated approach across a wide range of relevant stakeholders (e.g., scientific community, academia, OEMs, aircraft operators, fuel producers, ANSPs, NGOs, regulators, analysts and policymakers) to provide objective, timely, common and credible technical advice. This work can inform, where relevant, policy discussions on the development, agreement and implementation of effective action within Europe and internationally to mitigate the overall climate impacts caused by aviation (CO 2 and non-CO 2 emissions). Scope:

1. Noise and air quality pollutants Research aims at increasing the body of knowledge on the impact of ATM on areas such as noise and air quality pollutants (nitrogen oxides (NO X), particulate matter (PM), volatile organic compounds (VOCs), sulphur dioxide (SO 2), carbon monoxide (CO) and unburnt hydrocarbons (HC)). Research aims at better understanding the ATM environmental impacts beyond greenhouse emissions (CO 2 and non-CO 2 aviation emissions). Research shall consider the new types of aircraft propulsions, new aircraft configurations and new propulsion fuels (e.g., hydrogen), whose impact on noise and air quality need to be researched; regarding the new aircraft types, research shall consider the work performed under Clean Aviation programme (www.clean-aviation.eu). Research shall also consider the consideration of new entrants (e.g., higher airspace operations (HAO). An increasing number of rocket and space vehicle launches are planned, which clearly will significantly impact the population in the neighbourhood of concerned launch sites (e.g., Grotaglie airport) with massive noise exposure and potentially as well with particle and gaseous pollutants relevant for local air quality. Research shall also pay attention to the social acceptance aspects of such launch and re-entry activities.
2. Atmospheric physics for aviation (extreme weather events) Research aims at increasing the body of knowledge on the physics of the atmosphere, to better understand and reliably quantify the effect of climate change on future trends regarding severe weather events (e.g., severe convective storms, heatwaves, dust storms, etc.) and weather hazards (e.g., clear air turbulence, hail, low-level windshear, extreme wind, heavy precipitations, in-flight icing

- conditions, etc.). Research shall propose innovative methods to model the effects of climate change on these future trends with high reliability and accuracy over the next decades. The objective is to improve the ATM system climate resilience and adaptation and minimise negative impacts on ATM (e.g., airport closures or significant reductions in airport capacity (with knock-on effects on the network)). Results will facilitate the definition of a climate change adaptation strategy for aviation and decision-making by ANSPs, airports and the other aviation stakeholders, covering from short to long-term (e.g., ensuring that ATM short-term induced decision will not jeopardise long-term ATM resilience and sustainability). The research should consider the challenges for accurate prediction that may result from changes to weather patterns arising from global warming in the short to medium-term. Research shall elaborate a thorough state of the art review to evaluate the progress made atmospheric physics for aviation (extreme weather events) by previous research or on-going research within SESAR or outside SESAR. Note that there is on-going work under project AEROPLANE, which is reviewing the effect of heatwaves on aeroplanes take-off performance. Research shall consider the knowledge gaps reported in the “ICAO Committee on Aviation Environmental Protection (CAEP) aviation and climate change factsheet [1]”, the EASA “European aviation environmental report 2022 [2]” and the EASA Scientific Committee Annual Report 2023 [3].
3. Multi-scale multi-pollutant air quality systems (CO₂ and non-CO₂) Research aims at developing potential solutions for the evaluation of the impact that the air traffic regulation policy options can have on the environment and climate. The proposed solutions should be able to follow the evolution of aircraft emissions (e.g., CO₂ and non-CO₂) in the atmosphere on both the global/regional scale (e.g., transport of pollutants from the troposphere to the stratosphere, impact onto the radiative properties of the atmosphere, ozone production, etc.), and on the local scale (e.g., impact close to an airport area during landing and take-off phases). The main area of applicability of such a solution is to support the aviation community in estimating the extent of the environmental impacts that current and future air traffic movements might have. An effective multi-scale air quality system shall address all phases of flight, starting at the strategic phase and including the post-operations phase. Research may leverage the potential of AI technologies to provide accurate and real time estimations of trajectories and impacts (using all available information and/or predictions of atmospheric status and weather) in order to assess the relevance of new indicators. Proposals shall demonstrate the relevance of the proposed approach and scope for ATM. Research shall elaborate a thorough state of the art review to evaluate the progress made on multi-scale multi-pollutant air quality systems (CO₂ and non-CO₂) by previous research or on-going research within SESAR (e.g., project CREATE) or outside SESAR. Coordination with the “Aviation Non-CO₂ Expert Network (ANCEN) [4]” is required to focus on priority research gaps that need to be addressed to develop robust decision-making capabilities.
 4. Development of the environmental performance-monitoring toolkit (CO₂ and non-CO₂) to include new entrants There is a need to further develop the set of European environmental impact assessment tools, to analyse, inter alia, the integration of new entrants into the future ATM system and the overall environmental benefits and impacts (not only in terms of CO₂ but also non-CO₂) they will have. This element covers the expansion of the ATM aircraft performance models (on emissions and noise) to include new entrants and new aircraft types/fuels. It involves research into the impact on the environment of new fuels and/or new aircraft types (hydrogen, electric, sustainable aviation fuels, new hyper-/supersonic aircraft (with consideration of sonic booms)), including developing new models to assess the impact that ATM operational changes may have when these aircraft are introduced into the traffic mix, and exploring the boundaries for change to avoid negative effects on operational performance and environment (i.e., sensitivity analysis). Research shall also consider the potential of new entrants to re-shape the ATM network (e.g., new hubs driven by the new re-fuelling needs and stations, new airspace needs, etc.). Research should include the development of methodologies to assess the environmental and societal impact of U-space-enabled drone operations, including the identification of all potential impacts (e.g., visual pollution, noise over populated areas, intrusion into privacy, risks to wildlife (migrating birds, nesting areas, etc.)). In addition, research shall also address higher airspace operations (HAO), especially during launch and re-entry operations. Due to the complexity and diversity of environmental impacts, particular attention needs to be paid to the analysis of trade-offs, between environmental impacts, but also possibly with other performance areas. Research shall consider the required coordination with EASA (since the Agency is already working on this research topic) to ensure complementarity on the research objectives and approach.
 5. Validation of novel metrics in support of environmental impact assessment in ATM and U-space (noise, emissions CO₂ and non-CO₂) The collaborative management of environmental impacts and the implementation of strategies to reduce them require the development of indicators/metrics that will enable, on one hand, all ATM / U-space decision-makers to make informed decisions at different levels and to communicate on ATM / U-space community efforts towards environmental sustainability. Research aims at developing and validating new environmental metrics for use in R&I and/or operations. The areas for development include: The use of extended projected profile (EPP) data for environmental performance assessment. The development of meaningful operational proxies that can support ATM / U-space decision making in ATFM, ATC and drone operations, development of methodologies for providing an accurate estimation of CO₂ and non-CO₂ impacts (including noise) with minimal input data (e.g., based only on surveillance data combined with flight plan data etc.). When sufficient input data is available, research may leverage the potential of AI technologies to make generate more accurate predictions or indicators. The research can also investigate the adaptation to ATM of software and methodologies currently in use by aircraft operators and service providers to optimise their environmental

- performance; also, the research should consider its applicability for U-space / drone operations. Note that research has been performed or is on-going under projects CLAIM [5] or under initiatives such as Aviation Non-CO 2 Expert Network (ANCEN) [4] that should be considered to identify synergies and avoid duplication on this field.
6. Integrated platforms for the nowcasting and forecasting of multiple atmospheric hazards This research aims at developing integrated platforms to incorporate predictions of atmospheric hazards (e.g., SO 2 contaminants, severe weather situations such as deep convection and extreme weather and climate hotspots potentially contributing to global warming, etc.). The focus is to enhance the situational awareness of all stakeholders in case of multiple hazard crisis by facilitating the transfer of required relevant information to end-users, presenting such information in a user-friendly manner to ATM / U-space stakeholders, ultimately anticipating severe hazards and fostering better decision-making. Research may address: Extension of nowcasting models of SO 2 in 1D (values for a given location) to 2D (lat-long) and 3D and nowcasting products for dust, ash, volcanic aerosol and precursors and smoke. The consideration of additional observations (e.g., radar, satellite, sensors on board the aircraft) to better characterise the weather extremes and enhance the quality of the extreme weather nowcasting. The integration of space weather and climate change in the new MET services. The application of artificial intelligence or deep learning models based on recurrent networks could be used to better predict weather phenomena. Address potential human operator decision support systems able to import and process the meteorological forecasts and to adapt tactical arrival and departure scheduling to changing extreme weather conditions. Target airport, TMA and en-route operating environments and the potential use by different stakeholders (e.g., Network Manager, ANSPs (flow management and air traffic control positions), airports, airlines (dispatchers and pilots), etc.). Address the assessment of potential benefits in terms of capacity, efficiency, safety, predictability, and resilience. The inclusion of weather phenomena impact expected to affect U-space and drone operations into the now/forecasting integrated platforms. Research shall consider the output of project ALARM. Note that there is on-going work on this research element under project KAIROS.
 7. Contrails The research aims at enhancing the methodology for detecting and recognizing aviation-induced contrails. This could be achieved through the utilization of deep learning models for image recognition on satellite data, as well as incorporating insights from physics sciences to model the evolution of linear contrails into cirrus clouds. The goal is to predict the formation of aviation-induced contrails, quantify their associated radiative forcing and their overall climate impact. It is important to consider previous/on-going work (projects E-CONTRAIL, CONTRAILNET, CICONIA), which used deep learning ML models and numerical weather prediction (NWP). In addition to these efforts, predicting contrails, especially persistent ones, hinges on atmospheric humidity. However, significant challenges remain today. To address those, research should focus on extending and enhancing humidity measurement techniques and on developing sophisticated numerical weather modelling approaches to enhance the accuracy of humidity and therefore of the contrail predictions. Research shall aim at quantifying the uncertainty in the prediction of contrails and the assessment of their impact on the climate to support inform operational decision-making. In addition, the research should address the phenomenon of embedded contrails. These contrails form under specific conditions when aircraft fly through pre-existing cirrus clouds, resulting in contrails becoming embedded within those cloud layers. Despite their significance, our understanding of how embedded contrails impact the radiative forcing of natural cirrus clouds remains limited—an unquantified non-CO 2 effect of aviation. These embedded contrails have the potential to alter the cloud optical thickness (COT) of existing cirrus, potentially shifting their climate impact from net warming to net cooling. To advance the knowledge in this area, note that there is on-going work conducted by project AEROPLANE, which detected embedded contrails by analysing individual aircraft locations from aircraft position datasets and correlating them with height-resolved observations obtained from spaceborne light detection and ranging (LIDAR) and radar instruments. Research is also needed on contrails that are embedded in another contrail generated by an aircraft that flew in the area before, as well as on overlapping contrails produced by different aircraft. The observation and identification of contrails play a crucial role in supporting contrail prediction. As the number of observational sensors increases, we gain the ability to correlate contrail occurrences with other relevant data, creating large databases that can be used for training machine learning (ML) models for contrail prediction. These observational means include in-situ measurements (like IAGOS, MOZAIC), geostationary satellites offering a global perspective, low orbit satellites providing more detailed data from low earth orbit, ground cameras which capture contrail events with higher resolution for specific locations and LIDAR, on satellites, aircraft or ground-based installations. In particular, but not exclusively, the research should explore the extended use of ground cameras and LIDARs for supporting contrail observation and identification tasks. [1] www.icao.int/environmental-protection/Documents/Factsheet%20Business%20and%20Economics%20Final.pdf [2] https://www.easa.europa.eu/eco/sites/default/files/2023-02/230217_EASA%20EAER%202022.pdf [3] <https://www.easa.europa.eu/en/domains/research-innovation/easas-scientific-committee-scicomm> [4] <https://www.easa.europa.eu/en/research-projects/nonco2> [5] <https://www.claim-project.eu/> [6] <https://www.easa.europa.eu/en/research-projects/nonco2>

Conditions

General conditions

1. Admissibility Conditions described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. The award criteria are described in subsection 1.4 of the BAWP 2024-2025 . 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025).

2) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement.

3) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must

acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. The maximum project duration is 30 months , including a 6-month period at the end of the project life cycle to undertake communications, dissemination and exploitation activities in relation to the research results. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 1.4). Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Fundamental research for other topics

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA1-4

Summary : Fundamental research for other topics **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-ER-03-WA1-4>

Description

Expected Outcome: Fundamental research is typically curiosity-driven and explores new and innovative research areas for air traffic management (ATM), which are at TRL0. The objective is to bring new knowledge encouraging scientists to develop innovative ideas, concepts, emerging technologies, methods, and theories that explore the current boundary of knowledge on ATM/U-space and that have potential for the evolution of the future air traffic management / U-space system. Exploration of the potential benefits of the application of interdisciplinary methods is considered positive and in scope. **Scope:** The scope under this topic covers any ATM/U-space research area not covered by the development priorities for fundamental research (FR-1, FR-2 or FR-3) described in previous topics. The proposals shall demonstrate their innovation / breakthrough potential, justify how the scope of the proposed research is aligned to the ATM Master Plan vision and how the expected outcomes will contribute to one or more of the five key transformation levers described in the ATM Master Plan. The five transformation levers are described in the ATM Master Plan as follows: **Trajectory optimisation :** the proposed research shall contribute to guarantee a systematic, continuous, and precise optimisation of all aircraft trajectories throughout their lifecycle, from planning to execution, from gate to gate and within the context of congested airspace. **Data volumes :** the proposed research shall contribute to collect and process large volumes of data (e.g., aircraft performance characteristics, user preferences, real time traffic information and meteorological information throughout the network, etc.). **Increased real-time sharing of secure and trusted data** will enable airborne and ground systems and actors to stay interconnected and share the same situational awareness. **Automation :** the proposed research shall contribute to realise an effective teaming up of human operators and systems (i.e., human-machine teaming), which will be necessary to make best use of a large volume of data to optimise trajectories. To that end, higher levels of automation will be introduced in ATM. This requires advanced artificial intelligence (AI)-powered digital support tools, to deal safely with complex decision-making while optimising capacity and environmental performance. **Dynamic airspace :** the proposed research shall contribute to enable a near real-time configuration of the airspace with human operators and systems teaming up to meet needs of all airspace users (civil and military) and to manage capacity more efficiently. For certain phases of flight, the system will be fully automated and able to handle both nominal and non-nominal situations. **Role and function of human operator s:** the proposed research shall contribute to the gradual evolution of the role and skills of the human operator (e.g., air traffic controllers, air traffic safety electronic personnel, flight crew and operators, etc.), as well as the emergence of new roles. When relevant and regarding civil military collaboration, the proposed research shall contribute to enhance military access to the airspace and to the ability to protect confidentiality and critical information of military air missions. In addition, it could address the coordination with civilian aviation authorities enabling effective contribution to operations in multinational coalitions and the adaptation of Military systems and CNS capabilities to ensure civil military interoperability. The military implications of U-Space and higher altitude operations (HAO) could also be included.

Conditions

General conditions

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3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.

4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. The award criteria are described in subsection 1.4 of the BAWP 2024-2025 .
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Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

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Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Research to help shape the future regulatory framework for a DES

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA2-1

Summary : Research to help shape the future regulatory framework for a DES **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-16T00:00:00.000+0200 **Start Date** : 2025-04-01T00:00:00.000+0200

Description

Expected Outcome: To significantly advance the following development priority: AR-1 Research to help shape the future regulatory framework for a Digital European Sky. The expected outcomes are Support the evolution of the future regulatory framework addressing the impact of automation on the human role, providing insight on the challenges and potential solutions to design AI and non-AI based automation tools. Contribute to a harmonised application of airspace classifications in Europe. Improve ATM safety developing applications of Data4Safety. Specific requirement for this topic Research activities carried out under this topic should always duly consider and assess the potential impact of the proposed regulatory evolutions on military aviation, in particular military operations and training. Scope:

1. **Evolution of the human operator role and automation** The target vision presented in the ATM Master Plan and in the EASA artificial intelligence (AI) Roadmap entails a technological evolution that will transform the way air traffic services are provided: human operators will delegate a substantial number of tasks to the automation, and both together will form a human – machine teaming able to handle an increasing traffic demand more safely and efficiently. The research requires a multidisciplinary approach, involving safety, human performance, legal, insurance, regulatory, etc. expertise and shall be use-case driven. The objective of this research is not the development of an ATM solution with a high level of automation but, building on one or more ATM solutions (use-cases) proposing automation level 3 or 4 (human supervision or human safeguarding) based on conventional deterministic algorithms (i.e., not based on artificial intelligence) [1] assess the evolution of the human operator role and automation. Research shall develop a thorough state of the art of the HF impact on automation and mitigation methods that are applicable in ATM and propose standardized measurement methods to quantify the adverse impacts. Research aims at identifying and analysing: How the technological evolution (degree of automation and supervisory vs. executive role) impacts the nature and frequency of human operators' interventions/tasks, the required competencies, their states e.g., fatigue and subsequently their overall performance. Potential safety hazards related to the transition to an evolved human operator role, which might impact human operator cognitive skills and capabilities, and with the new role (e.g., specific to a supervisory role). The potential loss of sense of control by the human operator due to future technological developments, acknowledging the range of working environments and operational circumstances within Europe. The potential loss of sense of control might be related to a potential shift and further reduction of human operator tasks, resulting from future technological developments. Such a shift of human operator tasks might be expected but it is yet unclear into which direction supporting technologies develop on the medium and long-term and whether and how this might cause loss of sense of control. Joint cognitive systems and adaptive automation are promising developments, for which additional scientific studies are recommended because the maturity level and evidence for their effect on human operator workload and fatigue is still scarce. As these technological developments continue to evolve in the coming years, continued collaboration between researchers, technology developers, and regulatory bodies is recommended. ATSPs could find solutions to reduce the risk of drowsiness in two opposing directions: a) by reducing automation such that bore-outs due to low task load are avoided, and b) by increasing automation such that, during certain periods, human operators could relax or could execute other tasks than monitoring to avoid fatigue later in their working session. Both directions have benefits and risks and are not yet fully addressed in research. Further research is therefore recommended to study these opposing approaches and address topics such as: Technological feasibility of (adaptive) automation that can intervene in ATC operations. (Operational) tasks to maintain human operator vigilance during periods low traffic demand. Means of optimal human operator engagement. Research may consider meta-analyses and/or assessment of mitigation methods, and/or standardizing procedures, etc. The research shall consider and complement the initial considerations of the "EASA ATCO Fatigue study" on the impact of new technologies on human operator workload and fatigue [2] as well as the EASA's approach on AI, as presented in the AI Roadmap [3] . On-going work performed by project IFAV3 on increased flexibility of human operator validations is also relevant. The results of the research shall aim at providing factual scientific data that could substantiate intervention strategies (e.g., further rulemaking, implementation support, oversight, etc.) in the field of human operator training, competence, and fatigue management, as well as in relation with the introduction of new ATM/ANS functionalities. The output of the research will support impact assessment and future decision making by EASA on the regulatory needs associated to the deployment of the solution. The assessment shall include the consideration of legal accountability in case of an incident.
2. **Research on human operator fatigue and rostering practices** The following research topics are proposed with the aim to further increase the knowledge and scientific evidence on human operator fatigue prevalence, causes and effects, and effective prevention and mitigation, and thereby support future decision-making by EASA. The research shall consider the "Study on the Analysis, Prevention and Management of Air Traffic Controller

Fatigue” [2] published by EASA in May 2024: Extend the scientific knowledge about the prevalence, causes and impact of human operator fatigue including a varied and representative sample of EU ATSPs and human operators (e.g., human operators of the oldest age group) in human-in-the-loop experiments (e.g., using simulator(s) or a highly controlled operational environment). These experiments shall: Further research to identify and propose recommended bracket values of the eight roster elements [5] maintaining the risk of human operator critical fatigue at low to moderate level; the bracket values should take into account and be correlated, if possible with traffic volumes and complexity, seasonal activities, and nominal and non-nominal (e.g. crisis) situations, beyond the results documented in the EASA study: collecting data during longer and more varied measurement periods (e.g. both summer and winter), targeting air traffic service providers (ATSPs) with specific schedules, work procedures, and variation in traffic volumes and complexity. If these criteria have an influence on human operator critical fatigue, an associated fatigue risk index should be provided. Further research into the correlation and cross effects of the 8 mandatory parameters (e.g. number of maximum consecutive days vis-à-vis maximum hours per duty) as well as on the time needed to reduce/dissipate critical fatigue risks. Further research on the various national labour laws in the EU and their impact on the rostering practices. As far as possible, based on the above-mentioned research, identification of a methodology to calculate human operator staffing levels in ATSPs. Investigate the impact on work-life balance and human operator fatigue of rostering schemes (e.g., days in advance rostering is published, flexibility for human operators to express shift preferences (e.g., to adapt to the individual circadian rhythms of morning persons / night owls), shift swapping between human operators / centralised shift swapping between individual human operators and the system, etc.). Investigate how the results of this study could be used within rostering and fatigue management systems. Further collect data on the actual content of working hours in the EU ATSPs and confirm the share of operational and non-operational duties. Consider the nature of non-operational duties and measure the effect of these duties on fatigue and performance. Propose a definition of working hours and what it should or not include in view of the impact on fatigue. Finally, assess the effect of the rostering period scheme, the number of working hours per rostering period (and number of working hours per week (or month)) on (cumulative) human operator fatigue and determine the maximum number of working hours per rostering period to recommend. Consider the nature of non-operational duties and measure the effect of these duties on fatigue and performance. Assess the impact of new technologies on fatigue in an objective manner, while controlling for other factors (such as rostering and workload). Provide an updated assessment of current developments in fatigue detection technologies. Develop objective non-intrusive new fatigue monitoring technologies (e.g., wireless electrode electroencephalogram (EEG), speech analysis and webcam-based eye tracking, etc.) to be used in the ATC operational environment. Research shall take into consideration ethical and data privacy issues, particularly in the context of general data protection regulation (GDPR) guidelines. Future developments in fatigue detection and/or monitoring should therefore address the balance between leveraging the benefits of advanced monitoring technologies and safeguarding individual privacy by integrating robust data protection measures, ensuring compliance with regulations, and addressing ethical considerations to gain acceptance within the ATC community. As these technologies continue to evolve, ongoing collaboration between researchers, technology developers, and regulatory bodies is strongly recommended. Provide recommendations for the update of the SESAR human performance assessment methodology used by R&I projects in the SESAR programme to improve the consideration of fatigue at various stages of development and implementation of new technologies, including the assessment of the impact on fatigue of new concepts that make human operator role more passive/monotonous, for the manufacturers, the ATSPs and competent (oversight) authorities; in this regard assess the possible link with the Research project on the methods to evaluate the performance and impact of ATM/ANS ground equipment on human operator fatigue. Proposals shall define mechanisms for guaranteeing the absence of conflict of interests. The results of the research shall aim at providing factual scientific data that could substantiate intervention strategies (e.g., further rulemaking, implementation support, oversight, etc.) in the field of human operator fatigue management and working practices. Note that there is on-going work performed by project IFAV3 on increased flexibility of human operator validations.

3. Methods to evaluate safety requirements of ATM/ANS ground equipment and determine appropriate assurance levels The lack of harmonised and recognised methods for ensuring the safety and interoperability of ATM/ANS system and constituents (ATM/ANS equipment) (e.g., identification of failure conditions, definition of hardware and software requirements, safety assurance of commercial of the shelf (COTS) equipment, etc.) has resulted in a significant number of different approaches applied by the equipment manufactures and air navigation service providers (ANSPs). Although there are industry standards and methods available for determining the appropriate safety assurance, these standards are not fully compatible with each other. Furthermore, modern ATM/ANS equipment and those envisaged to by the ATM Master Plan are to make significant use of data through the application of virtual systems (e.g. through application of cloud computing). With the transition to the EASA framework for attestation of ATM/ANS equipment (Commission delegated regulation (EU) 2023/1768 of 14 July 2023), there is a need to ensure a common approach and understanding of the safety requirements, liability aspects, assurance level and that harmonised methods are applied. Research shall aim at providing data and information to determine: Certification characteristics and performance of hardware platform cloud computing and COTS solutions/equipment. How best to ensure the suitability for use of COTS equipment or constituents. Principles, assurance methods, and safety considerations to be applied in guaranteeing computing platform, virtual systems,

and software applications provide their performance and safety targets. A methodology applicable to ATM equipment to determine “failure conditions”. Shared liability principles for assurance of certified equipment being used in a more highly automated operating environment. Principles, methods, and safety considerations to determine software assurance level (SWAL) and hardware assurance level (HWAL). The research results will support EASA rulemaking activities (e.g., RMT.0744 [6]) to further develop and complete the initial set of detailed specifications (DS-GE [7] and DS-SoC [8]) (see ED Decision 2023/015/R [9]). The resulting changes to the detailed specifications will enable the application of the appropriate safety requirements, harmonise assurance methods, and clarify the certification and declaration of ATM/ANS equipment, thus ensuring the safety, interoperability and functioning of the Single European Sky and provide a common approach and understanding of the safety requirements. Research shall consider the on-going standardisation activities by international committees under EUROCAE WG 117 and WG 127 aiming at developing Means of Compliance to address the above challenges.

4. The application of airspace classification in Single European Sky airspace Through the application of SERA.6001 Classification of airspaces of the Annex to Regulation 923/2012, a common definition of the airspace classification has been implemented. However, the designation by the Member States has resulted in an unharmonized application which leads to flight inefficiencies, decreased safety and difference in service expectations when conducting operations in similar airspace within different Member States. Research shall provide the data and information (including U-space implementation), to determine: The distribution of the application of airspace classification in Member States airspace and the context of such application. The research must address in particular the implementation of class G airspace across Europe. A reasoned framework (including a set of parameters based on traffic demand) to support a harmonised application of the airspace classifications. The research should consider current traffic demand and future traffic forecast, considering (in particular) VFR and IFR electric aircraft as per the EASA certification projections, as well as very low level (VLL) operations. A harmonised application of airspace classifications in Europe will support the safe and effective operations by commercial and large aircraft and general aviation. Research shall provide the required evidence and initial inputs to define an intervention strategy (e.g., further rulemaking, implementation support, etc.) to define the classification application conditions in support of a Single European Sky.
5. Development of guidelines for the design of future artificial intelligence (AI) systems Research shall aim at supporting the evolution / update of EASA guidelines for the development of AI enabled systems in ATM, including feedback on the effects of conformance, transparency and complexity and other challenges associated to the design of future AI systems (e.g., trade-offs between privacy and transparency, trustworthy AI approaches). Research shall take as starting point the issue 02 of the EASA AI concept paper [10] . Research shall identify concrete applications of EASA guidelines and define the appropriate activities, not only human-in-the-loop simulations considering controller trust, acceptance, workload and human/machine performance but also new approaches for validation, verification, and testing of AI applications, specifically for safety critical applications (e.g., developing an agile validation methodology and data centric security capabilities for AI systems to promote their reliability, increase trust on AI, and maintain a competitive edge in today's rapidly evolving technological landscape). Close coordination with EASA is expected, to ensure complementarity and consistency with EASA activities on the following areas: Trustworthiness: capability to keep AI-based systems with relatively high cyber-security protection. Support the definition of the requirements and needs for input/output verification (related to trustworthiness in the framework of Structured Transparency) in the ATM context in support of the EASA certification process descriptions. Validate and further develop requirements and potential solutions with a co-joint analysis together with EASA and other operational experts. Clarify some of the challenges faced by EASA (e.g., to define the system requirements, processes, and tools that are needed to perform the validation and certification process). Learning Assurance: including the consideration of realistic operational cases in realistic operational conditions and new machine learning (ML) techniques. Need to develop specific assurance methodologies to deal with learning processes. AI explainability, which goes beyond the ML techniques to extract information from the models and includes the interactions with other systems and with the human operators (human factors). Research may help to clarify which requirements and processes the target AI/ML system should comply with to be certifiable for operations. AI Safety case: discussing with EASA and other safety experts about the needs and requirements of a concrete safety-case can help to clarify and support the development the EASA guidelines for certification. The concept of safety critical levels needs to be further developed for AI applications in ATM. Research covers the definition and analysis of safety-related use cases for different safety level assurances. These safety levels may imply either the adaptation of current software (SW) verification methods or the development of new ones to guarantee the safe operation of AI in ATM. Research shall consider the on-going standardisation activities by EUROCAE WG114 – SAE G34, which is a joint standardization initiative to support Artificial Intelligence revolution in aeronautics.
6. Enhancing robustness and reliability of machine learning (ML) applications Research aims at enhancing machine learning (ML) applications to ensure they are technically robust, accurate and reproducible, and able to deal with and inform about possible failures inaccuracies and errors. Research aims at developing potential solutions to address this challenge, which shall include/refer to the EASA methodologies for certification of AI in aviation. The research must be focused on the application of ML to ATM, by either leveraging existing ML techniques or by

developing new ML techniques to address the specific challenges. Research shall consider the results and recommendations reported in the machine learning application approval (MLEAP) final report [11]. The scope may address: Further the research on “generalisation capabilities of ML models and constituents”, as the MLEAP final report indicates the need for further work (the set of methods experimented on use cases do not provide satisfactory generalisation bounds and other methods should be further investigated). Verification methods of robustness for machine learning (ML) applications. Due to the statistical nature of machine learning applications, they are subject to variability on their output for small variations on their input (that may even be imperceptible by a human). Research aims at proposing new methods to verify the robustness of machine learning applications, as well as to evaluate the completeness of the verification. Standardised methods for evaluation of the operational performance of the machine learning (ML). Research addresses the definition of reference methods and metrics to assess the accuracy or error rate of ML applications. Application of transfer learning and data augmentation techniques for the development of the proposed applications, thus guaranteeing their robustness. In addition, these systems would be continuously validated using ML Ops methodology and explainability techniques, to ensure system performance and detect as early as possible if concept drift is occurring. Identification, detection, and mitigation means of bias in ML applications. Machine learning applications are subject to bias, which can compromise the integrity of their outputs. One of the most challenging aspects when collecting, preparing, or using data, is the capability to identify, detect and finally mitigate adequately any bias that could have been introduced at any time during the data management and/or of the training processes. Research aims at developing potential solutions to address this challenge. ML/AI-based systems must be designed, deployed and executed while considering cyber-security aspects to prevent, detect, mitigate and respond to attacks and ensure that the system is cyber-resilient. Peculiarity in threat models, risk assessment, and monitoring of ML/AI systems must be considered.

7. Support to the certification of novel ATM (AI-based and non-AI-based) systems that enable higher levels of automation The objective of this research element is to address issues related to the certification of: Novel AI-based ATM systems that enable higher levels of automation (level 3 and above, which corresponds to EASA AI levels 2B and above). Novel non-AI based ATM systems that enable higher levels of automation (level 3 and above). Research will address solutions, methods, etc. that could support and harmonise certification of innovative ATM systems based or not on machine learning or artificial intelligence techniques (e.g., scenario-based testing, reinforcement learning for control systems, etc.). It is expected that proposals define a holistic approach to address this challenge considering not only technical aspects of the certification but also legal and regulatory aspects including privacy. Research may explore and assess potential approaches that could be applied for the certification of automation and that allow to demonstrate the safety of automation during nominal and non-nominal conditions. Of particular interest is to show how safety can be ensured even if not all situations and variations of parameters can be anticipated during the design phase. Proposals may apply uncertainty quantification to address this issue. Research may also address the specific challenges of certification of automation that can adapt its behaviour to changes of the environment over time. Research activities shall consider other initiatives developing safety of life systems that may have different approaches to certification and review their applicability to ATM (e.g., EGNOS). Research shall consider the work performed by project HUCAN. See automation levels as in the ATM Master Plan in the section on general principles.
8. Development of a framework to achieve effective Human-AI Teaming Based on the published EASA Artificial Intelligence (AI) Roadmap 2.0 [12], the issue 02 of the EASA AI concept paper [10] was published. This guidance document develops a novel layer of AI trustworthiness guidance related to Human Factors for AI, which is necessary to manage the approval of Level 2 AI applications, which encompasses (Human-AI Teaming). Such applications bring the level of assistance from the AI-based systems to the Human end-user one level beyond, enabling automatic decision-making or action implementation, which was not foreseen in the Level 1 AI applications (Human assistance and augmentation). When considering an AI-based system as a part of a team, rather than simply a tool capable of limited actions, the need for a framework for improving the design of AI-based systems to enhance the overall success of Human-AI teams becomes obvious. A failure to consider the needs of the many air traffic controllers, pilots, flight dispatchers, flow managers, etc. who are responsible for successful operations will result in AI technologies that eventually fail to provide the necessary high levels of performance and may instead cause inefficiencies and safety concerns. The design of AI-based systems for Human-AI teams needs to incorporate several highly interrelated considerations. These include designing the AI system to support not only task work, but also teamwork. These interrelated considerations include considerations about Human-AI team performance and processes, AI-based system situation representation, shared situational awareness, human team member training needs, Human-AI interaction methods, interface, AI operational explainability and Human-System Integration processes, measures, and testing. Research aims at investigating concrete and feasible means of compliance for the new layer of Human Factors objectives and how compliance could be assessed including a definition of KPIs for performance in new roles for human, non-human, and hybrid teams. The research project could also lead to complement anticipated means of compliance for the Human-AI Teaming. Research may include the creation of frameworks / methods for training AI-based systems together with humans, to be able to include the objective functions notions of collaboration or KPI related to team success, and not only individual goals. The absence of standardised testbeds in AI-based ATM research fragments it and prevents truly

- collaboration between the research actions, even more so in the domain of Human-AI Teaming. The research shall take as a starting point one or more use cases of application of automation level 2 to ATM that do not use AI and are already at a maturity level TRL6 or above and investigate the potential introduction of AI to enhance the performance of the Human-AI team. Research should demonstrate a clear relationship between the human factors objectives and implementation in the wider socio-technical system (e.g., training, procedures, competence certification, etc.). Along with the research, at least one real-scale aviation use case per domain (covering at least ATM/ANS and airworthiness) should be developed to demonstrate the effectivity and usability of the proposed methods and tools. The expected short-term benefit is to support certification and approval processes by identifying concrete means of compliance to the Human-AI Teaming objectives of EASA guidance for AI applications (AI Level 2 and 3A as defined in EASA AI Roadmap), with a specific focus on AI Level 2A and AI Level 2B. Transitions between levels should also be considered. The expected medium-term benefit is to enable advanced type of automation in different domains covered by the EASA Basic Regulation (Regulation (EU) 2018/1139 [14]), with enhanced Human-AI teaming capabilities of AI-based systems.
9. **Explainable Artificial Intelligences (XAI)** AI explainability is the capability to provide the human with understandable, reliable, and relevant information with the appropriate level of detail and with appropriate timing on how an AI/ML application produces its results. Applicable EASA guidance [15], which shall be considered by the research on this topic distinguishes between development & post-ops explainability (driven by the needs of stakeholders involved in the development cycle and the post-operational phase) and operational explainability, which refers to the need to provide end users with ‘understandable’ information on how the AI/ML-based system came to its results. The research shall address the following aspects: Elaborate a state of the art review to evaluate the progress made on XAI by several research groups (e.g., DEEL (dependable, explainable and embedded learning)). Based on the state of the art review identify and develop further axes of research. Investigate the “relevance property” highlighted in machine learning application approval (MLEAP) final report [11]. The impact of inputs on outputs is an important consideration to promote when trying to explain complex models such as neural networks (NN). Similarly for control related applications (e.g., reinforcement learning), the “reachability property” from the same MLEAP report may also be of interest. Despite the inherent case by case nature of compliance methods to explainability objectives, it is important to research a common baseline of methods/tools for specific groups of AI/ML applications (e.g., type of technology, type of application, dimensionality, etc.). The objective of this research is to improve transparency of automated systems in the ATM domain investigating methods based on Explainable Artificial Intelligence (XAI) in operational use cases e.g., predicting air traffic conflict resolution and delay propagation, validating the robustness and transparency of the system, etc. Research shall consider the output of project ARTIMATION and MAHALO.
 10. **Innovative methodologies for ATM safety, security, and resilience** Research aims at developing methodologies (or evolution of existing ones) for safety, security and resilience that will contribute to ensure that ATM is robust against ever-evolving risks, threats, and disruptive events in the physical and cyber worlds in a novel ecosystem (e.g., enabled by automation level 3 and above). Moreover, research shall consider how novel virtualized and distributed ATM service architecture can be cyber-resilient and collaborate to enhance the overall security approach. New and disruptive technologies, operations, and business models to ensure ATM is resilient against internal and external threats, including health, natural disasters, terrorism, and criminal activity. Research shall ensure coordination with EASA. Research shall consider the work performed under projects SEC-AIRSPACE, FARO and FCDI.
 11. **Applications of Data4Safety** Data4Safety (also known as D4S) is a data collection and analysis programme of the European Union Aviation Sector that will support the goal to ensure the highest common level of safety and environmental protection for the European aviation system. The programme aims to provide a big data platform and analysis capability at European scale and level, including a structural link with ECCAIRS2 that enables analytics and insights from the European Central Repository safety data (ECR as per Regulation (EU) 376/2014 [17]). This means collecting and gathering all data that may support the management of safety risks at European level including safety reports (or occurrences), flight data (i.e., data generated by the aircraft via the flight data recorders), surveillance data (air traffic data), weather data, etc. As for the analysis, the programme’s goal is to help to “know where to look” and to “see it coming” as well as to support data-driven changes at system level. In other words, it will support the performance-based environment and set up a more predictive system. More specifically, the programme will allow to better know where the risks are (safety issue identification), determine the nature of these risks (risk assessment) and verify if the safety actions are delivering the needed level of safety (performance measurement). Research aims at defining, developing, validating, and assessing potential future applications / use cases of the data collected under Data4Safety Programme, which could be later integrated during the next stages of the D4S development phase. The goal is to improve the overall capacities of the European Union aviation system to manage risks and support data-driven changes with adapted aviation intelligence, by developing the capability to discover vulnerabilities in the system across terabytes of data. The focus should be on the utilization of training data for ATM human operators and pilots in correlation with aviation data derived from in-service operations, rotorcraft, general aviation, and drones’ operations and in the field of environment.
 12. **Automation of the security risk assessment (SecRA) process** Security risk assessment is a resource-intensive, time-consuming process which incorporates the identification of assets, vulnerabilities, threats and threat scenarios, the

evaluation of risk, and the selection of security controls to meet organisational security objectives. There is currently a global shortage of cybersecurity practitioners who can do this work, and this will remain the case for the next few years. New European regulations (Part-IS) mandate information security management system (ISMS) requirements on aviation organisations and authorities, many of which have previously not been subject to such requirements and may not have implemented an ISMS or carried out security risk assessments in the past. The main objective of Part-IS is to address information security risks which may have an impact on safety, so mechanisms must also be in place to support the coordination of the aviation safety and security disciplines. Automating the security risk assessment (SecRA) process would assist organisations and authorities to meet the needs of Part-IS by easing the development of SecRAs while reducing the resources required. Possible phases in achieving this: The automated update and maintenance of the required catalogues in an existing SecRA (e.g., assets, threats, vulnerabilities, and controls) from established sources of such data. The automated generation of reports on the impact of catalogue updates on an existing SecRA (e.g., describing which parts of the SecRA are potentially impacted by a new threat, a new vulnerability, a modified control, etc.). The development of a new SecRA, or the modification of an existing SecRA, by an information security specialist supported by an intelligent assistant. The autonomous development of a new SecRA, or the modification of an existing SecRA, by an AI agent. Part-IS refers to ISO/IEC 27001:2022 as a suitable standard, so ISO/IEC 27005, and a compliant tool, may be a suitable approach to apply for SecRA development. In addition, the utilization of Intelligent Assistants (IAs) could facilitate Human/AI teaming in security and safety risk Assessment activities, such as in the following areas: Providing support to safety and security experts in assessing the potential impacts of security incidents on safety, and in the optimal selection of security controls. Assessing the potential impact of security controls on safety - and vice-versa.

13. Climate and environmentally driven route charging Research shall address the potential of climate and environmentally driven route charging, with new mechanisms for charging airspace users to incentivise minimum climate impact. Route charging will reward those who avoid volumes of airspace with a high climate impact and disincentivise flight planning through high demand sectors / flight altitudes except where it optimises environmental benefit overall, while being cost neutral to airspace users and passengers on average. Added capacity in the “greener” volumes of airspace enabled by reduced vertical separations limits necessary flight plan modifications, furthering acceptance of the approach. Note that there is on-going work on this research element under projects Green-GEAR and AEROPLANE. [1] Note in this element AI algorithms are excluded in order to focus the research on the challenges posed by automation, rather than on the challenges posed by AI. AI challenges are covered in another element. [2] <https://www.easa.europa.eu/en/domains/air-traffic-management/atmans-workforce-air-traffic-controller-%28ATCO%29-fatigue> . [3] EASA Artificial Intelligence Roadmap 2.0 published - A human-centric approach to AI in aviation | EASA (europa.eu) [4] <https://www.easa.europa.eu/en/domains/air-traffic-management/atmans-workforce-air-traffic-controller-%28ATCO%29-fatigue> . [5] Maximum consecutive working days with duty (days), maximum hours per duty period (hours), maximum time providing air traffic control service without breaks (minutes), ratio of duty periods to breaks when providing air traffic control service, minimum duration of rest periods (hours), maximum consecutive duty periods encroaching the night-time (days), minimum rest period after a duty period encroaching the night-time (hours) and minimum number of rest periods within a roster cycle. [6] <https://www.easa.europa.eu/en/document-library/terms-of-reference-and-rulemaking-group-compositions/tor-rmt0744> [7] Declaration specifications and AMC and GM for ATM/ANS (ground) equipment. [8] Detailed specifications for ATM/ANS equipment subject to statement of compliance. [9] ED Decision 2023/015/R - Conformity assessment of ATM/ANS equipment | DS-GE.CER/DEC — Issue 1 and DS-GE.SoC — Issue 1 | EASA (europa.eu) . [10] <https://www.easa.europa.eu/en/document-library/general-publications/easa-artificial-intelligence-concept-paper-issue-2> [11] https://www.easa.europa.eu/sites/default/files/dfu/mleap-d4-public-report-executive_summary_expanded-issue01.pdf [12] <https://www.easa.europa.eu/en/document-library/general-publications/easa-artificial-intelligence-roadmap-20> [13] <https://www.easa.europa.eu/en/document-library/general-publications/easa-artificial-intelligence-concept-paper-issue-2> [14] <https://www.easa.europa.eu/en/document-library/regulations/regulation-eu-20181139> [15] <https://www.easa.europa.eu/en/document-library/general-publications/easa-artificial-intelligence-concept-paper-issue-2> [16] https://www.easa.europa.eu/sites/default/files/dfu/mleap-d4-public-report-executive_summary_expanded-issue01.pdf [17] <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32014R0376>

Conditions

General conditions

1. Admissibility Conditions described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.

2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. The award criteria are described in subsection 1.4 of the BAWP 2024-2025 .
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025).

2) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement.

3) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the

grant agreement. The maximum project duration is 30 months , including a 6-month period at the end of the project life cycle to undertake communications, dissemination and exploitation activities in relation to the research results. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 1.4).
Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Integration of the next generation aircraft for zero/low emission aviation

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA2-2

Summary : Integration of the next generation aircraft for zero/low emission aviation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-ER-03-WA2-2>

Description

Expected Outcome: To significantly advance the following development priority: AR-3 Integration of the next generation aircraft for zero/low emission aviation . **Scope:**

1. Integration of the next generation aircraft for zero/low emission aviation The future vision of air transport without net carbon emissions supporting the Green Deal goal includes the introduction of hydrogen (combustion and/or hydrogen fuel-cells), battery-electric and hybrid-electric powered aircraft. These aircraft are currently in the development phase, and their entry into service is not expected until the next decade. Once operations start, their numbers are expected to increase rapidly, which is why the ATM Master Plan sets an objective to ensure that the ATM system is ready to fully integrate them from the start. The goal is that these operations can take place safely, efficiently and without a disproportional impact on conventional (i.e., current generation of kerosene-powered aircraft) air traffic operations. It is anticipated that these new aircraft will present challenges to ATM in the following areas: Evolution of the fleet-mix with increase diversity in aircraft performance: the new aircraft present different performance envelopes than current aircraft for example in terms of cruising levels, cruising speed, final approach speed and rates of climb and descent. This is a challenge for ATM because operations are currently organised considering the current fleet mix. Different requirements for airport operations (e.g., turnaround times, ground handling, etc.), which will affect the airport operations plan (AOP)/network operations plan (NOP) integration concepts (e.g., new / adapted airport infrastructure longer turn-around times, new refuelling processes, etc.). The new aircraft will have lower range and will also carry a lower number of passengers per flight, which may lead to an evolution of the traffic demand (e.g., new city pairs, more flights to carry the same number of passengers, etc.). This analysis must take into consideration the different aircraft type / models and propulsive systems under development. The objective of the research is to collect requirements for the seamless integration of the new models / propulsive systems in European airspace, and where appropriate provide recommendations for ATM developments (potentially proposing roadmap if appropriate), addressing, for example: Trajectory based operations (TBO) already provides a framework to allow the optimisation of individual flights powered by conventional fuel or sustainable aviation fuel (SAF). There is a need to assess how this framework can support the optimisation of low or zero-emissions aircraft, and where necessary propose enhancements. Applicability of new ATM concepts supporting sustainability (e.g., green taxi, wake energy-retrieval, etc.). Adaptation of ATM platforms to support the evolution of the fleet to include increased diversity of performance envelopes. Potential impact on airports (including regional airports) and AOP/NOP integration due to the impact on the predictability of airport operations (e.g., due to longer turnaround, changes to airline scheduling patterns, new flight planning/flight plan acceptance processes, new fuelling procedures, new engine start-up requirements, etc.). Evolution of aircraft design characteristics, for significantly increased fuel efficiency and minimising emissions, for example with new generation single-aisle model for long-haul, triggering the need for additional wake turbulence research in order to define criteria and guidelines establishing boundaries between wake categories (e.g., around medium aircraft) regarding refined decay characterisation and initial vortex spacing factor, for facilitating design and certification in relation to optimised assignment to advanced wake separation schemes (RECAT-EU or Pairwise, complementing reference analysis), and limiting potential impact on airports capacity and on operational efficiency, related to arrival and departure runway throughput. Different propulsion characteristics and failure cases could impact take-off and/or landing distances, heavier H2 aircraft (at landing) could drive higher approach speeds or increased wake vortex class compared to equivalent Kerosene powered aircraft, etc. There is a need to assess the potential impact on route design (e.g., standard instrument departure routes (SID) and standard instrument arrival routes (STAR) design, approach procedures, RNP specifications, etc.). Potential impact on traffic synchronization (e.g., sequencing and separation of traffic with different descent / approach performance, take-off / climb characteristics, etc.). Potential impacts in terms of traffic demand (e.g., less capacity per aircraft in terms of passengers) as well as complexity and finally capacity to manage aircraft with different performances. Impact on airspace management, network management and traffic flow management processes due to the different optimum cruise altitude/speeds

for the new aircraft and propulsion concepts (e.g., impacts on airspace configuration, air traffic flow and capacity management (ATFCM) processes, etc.). Prediction of the evolution of traffic demand, due to e.g., shorter routes, more flights to accommodate the number of passengers. The impact of different policy scenarios could be considered (e.g., short-haul ban, multimodal regulations, etc.). Research also includes the definition of a potential future scenario(s) representative of future demand for 2035 including: Different combinations of future fleet composition, models / propulsive systems with different capabilities (payload / range / speed), with expected entry into service (EIS) by 2035 and different ramp-up / infrastructure scenarios, covering the Hybrid-Electric Regional, short medium range aircraft (SMR), a Hydrogen-powered options considered in Clean Aviation. Different future ATM concepts expected to be implemented by 2035, considering the impact of the variety of vehicle performances and their impact on traffic management. Other future scenarios could address a longer-term vision (e.g., 2040+ (SMR H2), 2045+ (Long-range aircraft (LR)) combined with more innovative Phase D ATM operational concepts. Research shall evaluate the impact on performance such as the reduction of the CO₂ emissions, the environmental impact of H₂ and water (contrails) from hydrogen-powered fuel cell systems on a fleet scale, etc considering the scenarios defined above. Research may also address the impact on other relevant key performance areas (KPA) such as capacity, access and equity, etc. Research shall identify the needs for the adaptation of the regulatory framework for air navigation and aerodromes (including new requirements, means of compliance) and the related safety standards. The research shall consider the work performed under the AZEA initiative (i.e., CONOPS) and the Clean Aviation Joint Undertaking programme, and coordinate as necessary with EASA to ensure that safety concerns have been sufficiently addressed.

Conditions

General conditions

1. Admissibility Conditions described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 1.4). Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Investigate quantum sensing and computing applied to ATM

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA1-3

Summary : Investigate quantum sensing and computing applied to ATM **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-ER-03-WA1-3>

Description

Expected Outcome: To significantly advance the following development priority: FR-3 Investigate quantum sensing and computing applied to ATM. **Scope:**

1. Quantum computing (QC) applications in ATM Quantum computing is a domain that integrates computer science, physics, and mathematics. Quantum computing's ability to perform complex calculations at higher speeds than classical computing opens new opportunities for solving complex problems (as ATM related NP-hard problems coming from ATM (e.g., large-scale trajectory planning, airspace configuration optimization, etc.)) in real-time. It is acknowledged that quantum computers are not yet widely available. The objective of this research element is to explore the advantage of quantum computing in ATM. It is not expected that research will write quantum algorithms or make use of quantum machines. Quantum annealing is also in scope as a short-term, high-yield, low-risk method to quantise existing optimisation algorithms. Research aims at exploring how quantum computing could be applied in air traffic management and how it could impact ATM. Potential (and non-exhaustive) applications include: Trajectory optimisation: classical computing methods can find it challenging to compute the most efficient trajectory in real time, especially when considering that flights operate in a very dynamic environment subject to many variables (e.g., air traffic restrictions, weather conditions, changing fuel prices, etc.). Quantum computing could handle multidimensional optimisation problems with higher speed and accuracy than classical computing. These algorithms could help airspace users to identify the most energy-efficient and time-effective trajectories, significantly reducing operational costs and environmental / societal impact. Traffic flow

optimisation: quantum computing could help optimising flight schedules and flight plans, and therefore to smoother traffic demand, traffic flows and potential regulations in capacity constrained scenarios. By optimising traffic flows, it could help reducing delays (e.g., ATFCM, drone delivery, etc.) and making a better use of available capacity. Emergency and contingency management: in emergency situations, an efficient and on-time decision-making is crucial. Thanks to its ability to simulate a high number of potential scenarios in a fraction of the time required by classical computing, quantum computing could help defining the best possible strategy to manage an emergency and minimise risk to passengers, flight crew, and aircraft. Separation management: quantum computing could analyse huge datasets from (e.g., radar, satellite, transponder data, etc.) in real time, to mitigate the risk of collisions and support improving sequencing and spacing and thus more effectively managing an increasingly congested airspace. Improvement of network impact assessment (NIA) functionalities towards optimiser capabilities, to provide performance-driven dynamic airspace configurations (DAC) and optimised DCB solutions. Simulation infrastructure: quantum computers could be used to train deep learning models significantly faster than classical computers, leading to breakthroughs in areas like natural language processing and image recognition. Machine learning and artificial intelligence: quantum computing could improve and accelerate machine learning algorithms by solving certain optimisation and pattern recognition tasks more efficiently. Quantum machine learning might lead to improvements in data analysis, pattern recognition, performance assessment and optimization problems. Research could also explore the interfacing of quantum programs with existing models/simulators, in order to speed up the latter. Reinforcement learning: quantum computing could be applied to accelerate the agent's learning cycle, so the reinforcement learning process converges faster to a stable trained agent. Climate modelling: quantum computers could resolve complex climate models with greater precision, helping to understand climate change patterns, weather forecasting, and environmental impact assessments. C-UAS detection and identification - timely, quasi-immediate detection and identification of drone around sensible ground infrastructure could be handled thanks to the QC capacity. The classification of this drone (friendly, erroneous or malicious) could be identified and appropriate counter measure selected. Depending on the proposed use case(s), research shall analyse which quantum technologies / algorithms are applicable / relevant.

2. Post-quantum cryptography in ATM Quantum computing also poses challenges in ATM as quantum capabilities could potentially break traditional encryption methods. Although quantum computers capable of breaking current encryption algorithms are not yet developed to their maximum expected capabilities, the first operational quantum computers are being deployed world-wide. The EU needs to anticipate the maturing of quantum computers and start developing transition strategies towards a quantum-safe digital infrastructure now. The Commission has been funding research and development post-quantum cryptography [1] for over a decade, recognizing the potential threat quantum computing poses to present public key cryptography. In the short-term, post-quantum cryptography (PQC) is considered to be the most promising approach to make communications and data resistant to quantum attacks. PQC allows for a swift transition to higher protection levels to secure against a cryptanalytic attack by quantum computers. In a next step, a limited scope quantum network could be used to provide perfect forward secrecy without reliance on any asymmetric algorithms (including PQC) based on Quantum Key Distribution (QKD), which could potentially be expanded to a fully-fledged quantum communication network. The objective of the research must be to assess the cyber-security/cryptographic needs in ATM with a sense of priority, including both the ground-ground and air-ground segments, and define a short-term roadmap for introducing PQC (phase-in and hybridization) to secure the ATM infrastructure. The project must leverage previous PQC research and consider how it may apply to ATM rather than start from a clean-sheet approach. Proposals on this topic must demonstrate awareness of the European ATM communications infrastructure. The research may optionally explore how ATM may transition to QKD (e.g., as a user of the European Quantum Communication Infrastructure (EuroQCI)).
3. Quantum sensing applications The objective of the research is to explore how quantum sensing could be applied for air navigation of crewed aircraft and drones, for example to: Provide high-performing alternative position, navigation and timing (A-PNT), addressing in particular resilient high-precision inertial navigation that is usable on all phases of flight. Recent geopolitical events have demonstrated the limitations of relying on satellite navigation. Indeed, while global navigation satellite systems (GNSS) including Galileo and the European geostationary navigation overlay service (EGNOS), are usually considered as suitable technologies for providing position, navigation, and timing (PNT) information as required, they can be subject to local (e.g., interference, spoofing, jamming) or global (ionospheric issues, system fault) outages, and it also presents service limitations in those areas where there is limited sky visibility. With the objective of having a back-up solution for GNSS as the source of PNT in the situations above, several potential technological solutions have been or are being developed to provide alternate position navigation and timing (A-PNT). While classical inertial sensors can provide the bandwidth and range, they do not provide sufficient accuracy for approach and landing. It is expected that the integration of quantum sensors into navigation systems could cover this gap, achieving high accuracy in autonomous positioning and increase resilience of trajectory based operations (quantum sensors do not refer to any external land- or satellite-based navigation infrastructure). Impact on datalink communications. Etc. Proposals may address alternative applications of quantum sensing to ATM provided adequate background and justification is provided. [1] <https://www.enisa.europa.eu/publications/post-quantum-cryptography-integration-study>

Conditions

General conditions

1. Admissibility Conditions described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. The award criteria are described in subsection 1.4 of the BAWP 2024-2025 . 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 2) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 3) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated

by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. The maximum project duration is 30 months , including a 6-month period at the end of the project life cycle to undertake communications, dissemination and exploitation activities in relation to the research results. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 1.4).
Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Digital flight rules

General Info

Topic ID : HORIZON-SESAR-2025-DES-ER-03-WA1-2

Summary : Digital flight rules **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-ER-03-WA1-2>

Description

Expected Outcome: To significantly advance the following development priority: FR-2 Digital flight rules . **Scope:** The following aspects are in scope: Evolution of ICAO Annex II (Rules of the Air): This concept builds on previous SESAR research for the integration of IFR RPAS integration in airspace A-G, where the ICAO Annex II responsibility to exercise on-board vigilance to avoid collisions is fulfilled by using CDTI traffic information instead of the traditional out-the-window vigilance used by crewed aircraft. The objective is to analyse how previous research performed in SESAR 2020 PJ.13, PJ.13-W2 and ongoing project IRINA and provide foundational conceptual work to support the development and validation of a new flight rules concept (“digital flight rules”) to complement VFR and IFR, to be applied in environments where all aircraft are equipped with cooperative surveillance. The new rules should be applicable to certified aircraft, crewed or uncrewed, as a complement IFR and VFR to allow the use a certified on-board system to perform: The equivalent of the out-the-window vigilance required for all aircraft by Annex II, similar to what has been proposed by previous SESAR research for IFR RPAS, but now applicable to equipped crewed and uncrewed aircraft, VFR or IFR. The manoeuvres required to remain well clear as per the right-of-way rules in Annex II that IFR and VFR pilots do in current operations when flying in an airspace where ATC does not provide a separation (i.e., in airspace C to G for VFR aircraft and airspace F and G for IFR aircraft) [1] . It is anticipated that digital flight rules will initially be applied only in a cooperative environment; the research should perform an initial analysis on whether in some cases on-board sensors for the detection of non-cooperative traffic may be required to support the safety case (e.g., this might be a requirement for uncrewed aircraft). Digital flight rules should be compatible with both VFR and IFR and should provide support to crews that need to manoeuvre in accordance with the Annex II right-of-way rules (e.g., with a remain-well-clear system providing guidance for horizontal manoeuvring as per ED-271). Aircraft flying with digital flight rules would not have to maintain visual meteorological conditions (e.g., minimum visibility, distance from clouds, etc.). The research should describe the full operational concept and analyse how ICAO Annex II (rules of the air) and annex XI (ATS services, including flight planning aspects and appendix 4 – airspace classification) would need to evolve to allow this new concept. The research should also perform an initial assessment of the human performance aspects for both on-board pilots and remote pilots. Evolution of the overall ICAO framework to support a highly automated ATM environment The objective is to analyse the potential need for evolution other ICAO Annexes and documents (e.g., Annex 11 (Air Traffic Services), PANS OPS (doc. 8168), PANS ATM (Doc. 4444), Manual on ATCO competency-based training and assessment (Doc 10056), airworthiness and certification material, Annex 10 “aeronautical communications”, ICAO doc. 9771 "Manual on Collaborative Air Traffic Flow Management”, etc.) to allow the implementation of the highly automated vision put forward by the European ATM Master Plan at a global level. The research should consider the potential impact of the evolution of the role of the human operator in the ATM system required to achieve the MP vision. Analysing the changes to the ICAO documentation that might be required to cover the possibility that the functions that are allocated to the controller in the current text be performed by a certified ATC ground system instead of by the human operator, considering, for example CPDLC being handled on the ground side by the ATC system instead of the human operator, automatic delivery of ATC clearances by the ATC ground system without prior validation by a human operator, the move from voice to CPDLC as primary means of communication, etc. [1] Note that in airspace D and E, IFR aircraft must follow their IFR ATC clearance, which provides separation from all aircraft (VFR or IFR) in class A-C, and from IFR aircraft in class D and E. In airspace D and E, VFR aircraft are not subject to ATC clearance, while IFR aircraft are subject to ATC clearance and the clearance provides separation from other IFR aircraft but not with VFR aircraft.

Conditions

General conditions

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Budget Overview

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Call for proposals to prevent and combat gender-based violence and violence against children

General Info

Topic ID : CERV-2025-DAPHNE

Summary : Call for proposals to prevent and combat gender-based violence and violence against children **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-07T00:00:00.000+0200 **Start Date :** 2025-02-18T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CERV-2025-DAPHNE>

Description

Scope: With this call, divided into 4 priorities, we aim at financing projects that will: support the development of large-scale, long-term actions on tackling gender-based violence, with regranting (giving financial support to third party Civil Society Organisations) protect and support victims and survivors of gender-based violence and domestic violence prevent gender-based violence, including cyber violence make integrated child protection systems work in practice

Conditions

- Conditions
1. Eligible Countries as described in the call document .
 2. Eligibility and admissibility conditions: as described in the call document
 3. Evaluation Evaluation criteria, scoring, threshold and process are described in the call document .
 4. Indicative timetable for evaluation and grant agreement: as described in the call document. Opening for submissions: February, 18 2025. Deadline for submitting applications: May, 7 2025 17:00 (Brussels time). Evaluation period: May-October 2025. Information to applicants: November 2025. Signature of grant agreement: January - February 2026. Call document and annexes: Call document Application form templates Standard application form (CERV) — the application form specific to this call is available in the Submission System Detailed budget table (CERV LSII)
- the budget table can also be downloaded during submission Child Protection Policy Declaration for Public Entities Guidance Guide for applicants Mono/Multi-beneficiary Model Grant Agreement CERV 2025 Work Programme Regulation establishing the CERV Programme Decision authorising the use of lump sums for actions under the Citizens, Equality, Rights and Values Programme (2021-2027) Decision on unit costs for travel and subsistence Decision on unit costs for volunteers Guidance: How to manage your lump-sum grant Model Grant Agreements (MGA) Lump Sum MGA Additional documents: CERV Work Programmes CERV Regulation 2021/692 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Transformation to trajectory-based operations

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA1-1

Summary : Transformation to trajectory-based operations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA1-1>

Description

Expected Outcome: To significantly advance the following development actions: IR-1-02 Development of FF-ICE , including FF-ICE pre-departure enhancement and FF-ICE/R2. IR-1-03 Advanced network trajectory synchronisation in the execution phase . IR-1-04: Connected and integrated flight management system (FMS), electronic flight bag (EFB) and flight operations centre (FOC) functionalities for trajectory optimisation. IR-1-05: Dynamic route availability document (RAD) towards a RAD by exception environment. Note that IR-1-01 is covered in WA 3 because ATC TBO R&I activities require the development of the next generation of ATS platforms. This includes advancing the capabilities of the following systems: Airborne systems: improved FMSs and EFBs. Ground systems: improved FOC/WOC, ATS and NM systems. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. TBO integration activities and global interoperability This element covers the TBO content integration activities across the programme, including development of the SESAR TBO concept of operations, integrating network, ATC and intra-European (regional) TBO processes, and update of the document based on R&I results (e.g., integration of the IR1 results after the projects conclude). The document must include a human-machine teaming annex describing the ATC TBO automation concepts and the evolution of the role of the human. The development of this annex requires close coordination with WA 3 projects. At global level, this element covers the international coordination, including in particular support to the TBO related activities of the ICAO ATM RPP panel. ANSP-triggered impact assessment This research element addresses the development of NM capabilities to respond to a request from the ATC ground system to probe in real-time what the impact on the network would be of an ATC clearance that deviated from the agreed trajectory as per the eFPL. It is a support feature that does not deliver clearances but supports the ATC system in the clearance delivery process. This is an extension of the NM network impact assessment (NIA) B2B service, which is already in place today to allow ANSPs to trigger a network impact assessment for a re-routing proposal (RRP) within a pre-defined RRP catalogue. This element would benefit from NM-ANSP integrated validation activities addressing the full process from the NM side (covered in WA 1) and ANSP side (covered in WA 3). Unconstrained desired trajectory (UDT) All TBO actors should aim at continuously optimising the trajectory. To do this, the FOC must ensure that the information of the optimum trajectory is made available to NM and the ANSPs, who will take it in consideration. However, the TBO Agreed trajectory represents the accepted flight plan to be taken as a reference for the flight, which often includes ATM constraints and therefore may not represent the trajectory the AU would desire. The preliminary flight plan as per the FF-ICE/R1 planning services provides means to share a trajectory with fewer constraints before the submission of the flight plan. The objective of the preliminary flight plan is to support increased dynamicity in the application of constraints (e.g., preliminary flight plans could be used to get early information on traffic demand to assess which RAD measures are the best candidates for waving via the dynamic RAD concept). However, it is expected that the preliminary flight plan will still have some constraints (e.g., constraints that are considered by the AU not to be candidates for removal in the pre-departure phase). In contrast, the UDT should be completely unconstrained. The UDT and preliminary flight plan are compatible and complement each other. Even in the case of flights where the preliminary flight plan has a truly unconstrained trajectory that could be used as a reference for ATM on what the AU would like to fly at the time it was submitted, the preliminary flight plan may not continue to be a valid reference in case the desired trajectory changes due to a re-optimisation process [1] (e.g., winds different from forecast, turbulence, etc.), because the preliminary flight plan will remain frozen after there is an accepted FF-ICE flight plan. The objective of the UDT is to provide a means for the completely unconstrained trajectory desired by the AU to always be available as a reference to ATM. This research element covers: Extension of the eFPL to include the true desired trajectory (completely unconstrained) when the flight plan is filed before departure. The development of an FF-ICE/R2 precursor service to allow the FOC to submit to NM an updated UDT at any time, during the pre-departure or the post-departure phase. The research may investigate alternative means for the AU to provide the UDT in the planning phase and update it during the flight, e.g. the UDT could be provided though the EFB being directly connected to ATC using the applicable air/ground SWIM standard using the connected

aircraft concepts. The use of the UDT by NM to improve the efficiency of the flight in planning and execution. In addition to supporting continuous optimisation concepts, the UDT is useful for post-operations performance assessment purposes. The development of performance metrics for assessing flight efficiency based on UDT is also in scope. Note FF-ICE/R2 has not yet been defined by the ICAO ATM requirements and performance panel (ATMRPP). This element is considered an FF-ICE/R2 precursor. The output of the R&I will contribute to building the global concept. This element would benefit from integrated validations including the NM and FOC prototypes (covered in WA 1) and the ANSP prototypes (covered in WA 3). FF-ICE/R2 precursor for the revision of the agreed trajectory in strategic execution This research element aims at defining the operational processes, services, and systems to support strategic trajectory revisions in execution that can be initiated by either the flight operations centre (FOC), the Network Manager (NM), or local air traffic flow management (ATFM) units. The trajectory revision processes concerned by this element are changes to the trajectory where the point of deviation from the current flight plan is beyond the horizon of interest ATC. This process requires all actors concerned with the revision of the trajectory to have deployed the FF-ICE/R1 services. The solution will provide to airspace users flexibility to reoptimize the trajectories in execution and will increase the network manager trajectory through the anticipation of trajectory changes. This element covers only the interaction between the FOC and the NM and the intra-European coordination between NM and the concerned ANSPs. It includes the collaborative process from the moment the revision is requested by the FOC, NM or ANSPs to the moment the trajectory is agreed, and the revised flight plan is sent to all concerned actors. The research needs to establish how the new trajectory will be sent to the flight deck and how the flight crew will implement it; if the new agreed trajectory changes the 2D route of the aircraft, the change means the aircraft will fly a trajectory that is different from what was in the departure clearance (which included the original 2D route): The departure clearance is not amended: in this case, the trajectory revision is sent to the flight deck via the dispatcher and either no clearance is delivered (safety case to be developed, e.g. based on comparing ground with air downlinked trajectory or with “check route” CPDLC FANS message where FANS is available) or each ATSU delivers a clearance for the portion of the trajectory within the AoR; or The departure clearance is amended: in this case, the clearance for the new trajectory has to be transmitted by ATC using a downstream clearance. In this case, once the new trajectory is agreed by NM and the impacted local ATFM units and the FOC, NM should send a message to the ATSU currently in contact with the flight with the request for the clearance to be provided. This clearance amends the departure clearance. The planned validation activities must include the validation of the airborne aspects. For cases where the 2D trajectory changes, the validations must address how the new trajectory will be implemented in the navigation system and later flown by the flight crew through either live trials or high-fidelity cockpit simulators, based on one of the two options outlined above or on a different option to be described in the proposal. This element would benefit from integrated validation covering the network aspects (covered in WA 1) and the ANSP aspects (covered in WA 3). Note FF-ICE/R2 has not yet been defined by the air traffic management requirements and Performance Panel (ATMRPP). This FF-ICE/R2 precursor can be deployed before full FF-ICE/R1 is available. The end target FF-ICE/R2 process will require all actors concerned with the revision of the trajectory to have deployed the FF-ICE/R1 services. The output of the R&I will contribute to building the global concept. The project must plan adequate resources to contribute to the international coordination activities. FF-ICE/R2 trajectory revision and/or update in execution for arrivals into Europe from non-FF-ICE areas (ASPs that are not eASPs) This research element allows flights arriving in Europe (potentially from non-FF-ICE areas) to benefit to use FF-ICE collaborative processes for the optimisation of the route in European airspace. The element considers the discontinuity in terms of which FF-ICE services are deployed in the ATSUs that the flight will fly through. The objective is to allow the process to take place even when not all the ANSPs between the current position of the aircraft and the point of deviation from the current trajectory are at the same level of FF-ICE deployment. The research element addresses one or more of the following processes: eFPL update initiated by the FOC to update the times in the flight plan during the execution phase before the flight enters European airspace. The objective is to provide the European network with a more accurate time for entry into the European area when the flight is still hours away from Europe. Modification of the 2D route in the eFPL for an airborne flight that is inbound the European airspace but has not yet the border of the initial flight plan processing system (IFPS) at the time the revision is made by the FOC. The objective is to allow as an example, a long or medium-haul flight departing from outside the European area and having been re-routed in flight will use this process to update the 2D route in the IFPS zone (IFPZ) hours before entering European airspace, providing NM a more accurate picture of the traffic demand. This is a revision process subject to approval via a trial-request process, but it contains an element (entry point into the IFPZ) that has been modified, so that the point of deviation from the original route is outside of the IFPZ due to the flight has been re-routed by a non-European ATM service provider (ASP). The entry point into the IFPZ would to some extent be a “fait accompli”, while the route in the IFPZ would be subject to approval by NM. Research aims at determining the boundary between revision and update needs. The research may also investigate the potential benefits of defining a similar process for departures from Europe with destinations out of the IFPZ. This research element would benefit from simulations integrating airborne prototypes and NM prototypes. Evolution of military flight planning The improved operational air traffic (iOAT) flight plan supports improved civil-military collaboration but is based on the FPL2012. The objective is to build on the iOAT flight plan to define a new FF-ICE-based flight plan and processes for mission trajectory management (including ARES CDM processes and the utilisation of features such as flexible parameters) that moves civil-military collaboration to the next level. The new format and processes should support dynamic coordination between military actors and local DAC actors, specifically national airspace management (ASM) and local air traffic flow & capacity management (ATFCM), throughout CDM on a single 4D Mission Trajectory

data, but also provide means for collaboration when military needs do not allow sharing of full set of trajectory data. Integration of flight operations centre (FOC), electronic flight bag (EFB), flight management system (FMS) and ATC platforms The main flight optimisation tool used by pilots today in the execution phase is the FMS, but emerging FOC/EFB applications are challenging this status quo. The development lifecycle of the FMS is slow in comparison, due to the strict software development conditions required by its flight path management capabilities. In contrast, FOC-EFB [2] tools can be rapidly developed, potentially including the use artificial intelligence (AI) tools whose certification for the FMS would be very challenging. The EFB-optimised trajectories may include speeds different from those planned by the FMS, which need to be implemented by the pilot by overriding FMS speeds. In some cases, this is done by manual entry into the FMS, while in other cases the flight crew enters the optimised longitudinal or vertical speeds on the flight control unit (FCU) / mode control panel (MCP). The EFB may also recommend that descent start before or after the FMS TOD downlinked via ASD-C, which is the point ATC expects descent to start if the flight is cleared to “descend when ready” or “descend at own discretion”. The use of the EFB for flight optimisation by flying selected or manual instead of in managed mode reduces the predictability of the flight for the ATM system. The objective of this concept element is to develop full FOC-EFB-FMS-ATM integration during the flight execution. This may include, for example: The seamless integration in the FMS of optimisation constraints calculated by FOC-EFB tools [3] . The optimisation constraints will be considered by the FMS as long as they are consistent with the ATC constraints and ATM planning constraints. The element also includes support for flight crews to request an amendment of the ATC clearance where needed (e.g., if the FOC-speed is outside the $\pm 5\%$ from the flight plan speed, if they need to request a different flight level for the cruise, or a different rate of climb or descent, etc.) or a revision of the FF-ICE flight plan (in an FF-ICE/R2 revision process) if appropriate (strategic change to the trajectory in execution). The direct connection from the FOC or the EFB and ATC systems as an alternative way to route FMS trajectory information from the FMS to ATC systems, and potentially additional trajectory information elements, e.g. aircraft equipped with Revision A could downlink Revision B elements via the EFB. The FMS trajectory information could be transmitted from the FMS to the EFB or be calculated by the EFB through an FMS-twin service (hosted on-board at the EFB or on the ground at the FOC [4]). The FMS-twin could allow a more rapid implementation of new trajectory exchange messages than if an update of the FMS were required, e.g. new interrogation messages from ATM to the aircraft that are not in ATS B2 standards for ATM to interrogate the aircraft systems on how the trajectory would change under certain hypotheses. Research shall investigate the feasibility and acceptability of this solution. Please note that it is not foreseen that the ATC to EFB connection be used for the transmission of ATC clearances (i.e. routing of ADS-C information via the EFB to ATC is in scope, but routing of CPDLC messages through the EFB is out of scope). EFB/FOC developments to support the A/G exchanges between the FOC and the flight deck during the execution phase for both A/G FF-ICE/R2 negotiations for the update of the trajectory during the execution phase beyond the horizon of interest of ATC and A/G exchanges in support of the ATC TBO concepts. Note that trajectory optimisation tools at the FOC, the EFB or the FMS are covered in WA 5-3 “Environmentally driven trajectory planning”, while the integration of FOC-EFB-FMS is covered in this element. A key objective of this element is to avoid the increased use of advanced FOC-EFB trajectory optimisation tools results in a reduced use of FMS managed mode. The EFB connection to ATC systems is expected to use the applicable air/ground SWIM standard. The research must investigate if the update of the standard currently under development (building on the work of MIAR SESAR solution 0335 “SWIM TI purple profile for air/ground safety-critical information sharing”) is appropriate to cover each of the use cases that are investigated, or a further update is needed. Connected aircraft Network TBO (airline information services domain (AISD)) This element addresses the development of AISD flight-deck connectivity to support the connection from the flight deck to: NM/local ATFM units, to participate in the FF-ICE/R2 trajectory negotiations (flight-deck acting as its own FOC) or trajectory negotiations. The FOC, in support of the TBO FOC trajectory negotiations (so the negotiation happens between the FOC and NM/local ATFM units): this element covers the FOC coordination with the flight deck). Increased dynamicity in the application of RAD/LoA constraints The objective of the research is to allow for increased dynamicity in the application of one-size-fits all constraints, be them pre-departure RAD measures (with or without a corresponding LoA) or LoA constraints without a corresponding RAD measure. This concept supports the evolution from the current paradigm of managing traffic flows to the tailored management of individual flights with the objective of increasing flight efficiency. This will pave the way for the target RAD by exception concept, where the RAD is reduced to a minimum, and the AU typically submit the flight plan with the unconstrained desired trajectory (UDT). In a RAD-by-exception environment, NM replies to the flight plan submission with the UDT with a proposed trajectory where the constraints that are strictly necessary have been applied, which the AU can either accept or make a counterproposal to. The research should address the applicability of the increased dynamicity all along the trajectory lifecycle: Automation support for the provision of the Preliminary flight plan (PFP) by AU and processing by NM and local ATFM units. In the pre-departure phase, up to 2-3 hours before departure, FMP automation tools should identify which RAD measures (with or without a corresponding LoA) could be waived based on the prediction of traffic demand developed by before flight plans are submitted combined with information on preliminary FF-ICE flight plans when available. Shortly before departure, when the demand is better known, automated tools could support the identification of individual flights with an already accepted flight plan that is subject to a RAD constraint for which the RAD constraint could be removed. In some cases, it may be possible to remove a RAD measure for a full traffic flow. The concerned AU would be informed of the improvement opportunity, and if interested they would revise the flight plan as per the FF-ICE processes. In the strategic execution phase, FMP automation should continuously look for RAD waving opportunities. When an opportunity is identified, the airline

should be informed and if interested they should revise the flight plan as per the FF-ICE revision process. In the tactical execution phase, ATC automation should identify the individual trajectories or traffic flows for which RAD/LoA constraints could be waived, coordinate the new improved trajectory between ATC sectors or across ATSU borders (typically through an approval-request process) and deliver the ATC clearance to the aircraft. In some cases, a positive network impact assessment will be needed to ensure no negative downstream impact. The research may investigate whether this process could be reversed, at least for some routes, e.g. in the vertical dimension, even with a RAD or LoA measure in force, ATC does not issue the clearance for the constraint- for example an early descent to cross the border with the next ATSU or sector at or below a certain level – unless the ATC automation shows an alert requiring the clearance. The research may address concepts to increase the predictability for the AU of which RAD measures are likely to be applied, e.g. by providing a catalogue of conditions (times, days, MET conditions) in which the RAD measure is more likely to be applied (conditional RAD). Note there is on-going research on PFP, LoA constraint management and dynamic RAD in the ongoing Network TBO and HERON projects. Develop a digitalised letters of agreement (LoA) repository and their provision to NM In order to deploy the Network 4DT (4D Trajectory) CONOPS, the objective of the research is to create an interactive digitalised repository of LoAs to be embedded in the Network Manager (NM) systems in order to allow for an improved processing the submitted flight plans. Electronic copies of LoA shall be provided to the NM by ANSPs in the strategic phase and maintained as appropriate. For this purpose, NM needs to establish and closely follow-up the process of LoA provision, as well as the provision of subsequent amendments and modification. The LoA effect is implemented through the addition of 4D points to the list of ordered elements within the NM Trajectory. Digital LoAs will be shared with all relevant actors. This research elements covers in particular the provision of LoAs to NM. NM needs to establish and closely follow-up the process of LoAs provision and as well as the provision of subsequent related amendments and modification. Specific minimum requirements for this topic: Integration of flight operations centre (FOC), electronic flight bag (EFB), flight management system (FMS) and ATC platforms: consortia for this topic shall: Either include an established FOC system manufacturer or provide evidence that the consortium has the operational and technical capability to build the FOC prototypes required for the research at the required maturity level. Either include an established ATS system manufacturer or provide evidence that the consortium has the operational and technical capability to build the ATS system prototypes required for the research at the required maturity level. Either include an established FMS system manufacturer or provide evidence that the consortium has the operational and technical capability to build the FMS system prototypes required for the research at the required maturity level. [1] Note FF-ICE/R2 will allow the request for a revised trajectory but will not allow a change to the preliminary flight plan. [2] EFB in this context refers to any COTS or purpose-built on-board computer without flight-path control capabilities that handles trajectory data either directly or through a connection to FOC computers. EFBs can be portable or permanently installed in the cockpit. In contrast, FMS is an on-board computer with flight path control capabilities. [3] Optimisation parameters calculated by the EFB and entered in the FMS are referred to as optimisation constraints because they constrain the way the FMS can plan the flight path. [4] Note that even if the FMS-twin located at the FOC, there is no plan for an extra connection from the FOC to ATC ground systems, and hence the connection from the FMS-twin to the ATM systems would have to be routed via the EFB.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts).
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Highly automated ATM for all airspace users

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA5-2

Summary : Highly automated ATM for all airspace users **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA5-2>

Description

Expected Outcome: To significantly advance the following development actions: IR-5-03 Highly automated ATM for all airspace users . This includes performance-based CNS enablers (assured navigation for robust ATM/CNS environment for all phases of flight, alternative positioning, navigation and timing (A-PNT), providing enhanced robustness against jamming, spoofing leveraging Galileo, electronic conspicuity, sense and avoid, enhanced distance measuring equipment (eDME), etc.) to facilitate the integration of advanced airborne automation and future ATC platforms, as well as accommodating IAM and interfacing with U-space. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Development of on-board non-cooperative sensors in support of detect and avoid (DAA) This research element covers the development of on-board non-cooperative sensors for crewed and uncrewed aircraft to detect intruders or other obstacles and enable a detect and avoid (DAA) capability (e.g., while flying in airspace with heterogeneous/mixed types of traffic or to detect unauthorised drones in controlled airspace). These non-cooperative sensors can scan the airspace and determine if certain measure of the sensor(s) can be associated to an object that represents a collision threat. Non-cooperative sensors include electro-optical (EO) sensors, thermal / infrared (IR) systems, light detection and ranging (LIDAR) systems, radar and acoustic sensors, cameras, etc. Since each sensor has advantages over the others only in certain aspects, a multi-sensor architecture may be the best solution for developing a DAA system even if it can make the implementation more difficult. Research shall consider: Define an effective DAA architecture based on non-cooperative sensors and develop an on-board DAA capability. Validation of the DAA capability in dense airspace and interoperability between different systems (ACAS-Xu, EUDAAS, TCAS, etc.). Determine the technical feasibility for detecting non-cooperative intruders and integration with the current collision avoidance algorithms. Definition of operational procedures for pilots reacting to electronic conspicuity and DAA. The integration of military operations (e.g., military IFR RPAS, etc.). Avionics certification and regulatory aspects shall be addressed. Research shall consider the cost-effective, non-collaborative DAA solution developed by the IRINA project. These technologies are civil/military dual use. Enhanced automation support for space-launch management This element covers the development of enhanced procedures and enhanced supporting tools for the management of space-launch operations at the level of NM, local ATFM units and ATC. It includes space data integration (from Launch and Re-entry Operators (LRO), Launch and Re-entry site operators (LRSO), and STM with ATM) for specific operational scenarios (e.g. launch, re-entry, sub-orbital), contingency/emergency management and required external interfaces (local ATM services, outer regions, space agencies etc.). Note there is ongoing research on this topic in project ECHO 2. IFR RPAS integration in airspace classes D to E Research aims at the full integration of IFR RPAS in airspace D to E, covering all types of uncrewed AU (fixed-wing, helicopters and VCA). The research shall

address the integration of IFR RPAS in case of controlled airspace (class D and E). For controlled airspace, the impact on ATC of the use of DAA systems must be addressed, including a study of the compatibility of the RWC alert thresholds and the ATC separation processes. The safety case must pay particular attention to making the assessment considering the “work as done” for the management of crewed IFR vs. VFR separation in Europe in class D and E and investigate its applicability to the management of the separation between uncrewed IFR and VFR. Research may address the potential impact on capacity due to the increase workload caused by IFR RPAS. The technological development of DAA systems is also in scope. Note that there is on-going work by project IRINA SESAR solution 0380 “RPAS accommodated operations non-segregated in airspace classes D to G”. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 4) and the airborne prototypes (covered in WA 5). IFR RPAS integration in airspace classes F to G Research aims at the full integration of IFR RPAS in airspace F to G, covering all types of uncrewed AU (fixed-wing, helicopters and VCA). It must be noted that crewed IFR operations in class G are not allowed in many European states, but they are allowed in some others. For the purpose of the research, it should be assumed that crewed IFR flight is allowed in class G, and the scope of the research is to extend the concept to uncrewed IFR flights. The technological development of DAA systems is also in scope. Note that there is on-going work by project IRINA solution 0380 “RPAS accommodated operations non-segregated in airspace classes D to G”. Safe integration of lower performance IFR RPAS in the European airspace In the context of integration of remotely managed drone operations into the European airspace, there is a need for future research on lower performance certified [1] RPAS, particularly with regards to low size weight and power (SWaP), including: Smaller low-power DAA systems for their integration in controlled airspace (classes A-E) and uncontrolled shared airspace (classes F and G), considering both cooperative and uncooperative targets. Encounter models should also be enhanced for this domain including small light non-cooperative targets. Smaller low-power IFR equipment, and research into potential adaptation of IFR procedures and ATC clearance for these vehicles. These technologies and concepts are civil-military dual-use. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Dual-frequency multi-constellation (DFMC) global navigation satellite systems (GNSS) based on satellite-based augmentation system (SBAS) / aircraft-based augmentation system (ABAS) receivers Research aims at developing DFMC GNSS/SBAS/ABAS receivers and additional avionics systems processing GPS and Galileo signals in L1/E1 and L5/E5, considering architectural considerations, assessing transitional aspects, and exploiting synergies and complementarities between different augmentations (DFMC ABAS (advanced receiver autonomous integrity monitoring) and DFMC SBAS) in nominal and degraded modes. Consideration of requirements on backwards compatibility and joint airborne architecture for ABAS /SBAS / GBAS (see WA3-2 on GAST-E) receivers / avionics equipment (avoiding the need for multiple avionics) and joint airborne architecture for GAST-E and SBAS. The aim is to deliver a more robust navigation performance solution including resilience to radio frequency interference (RFI) (jamming and spoofing), supporting enhanced approaches and optimised descent operations for CAT II and/or CAT III that will allow to reduce noise footprint, fuel consumption and emissions. High-altitude operations (HAO) GNSS and inertial sensors This research area refers to the expansion of navigation infrastructure is necessary to meet the demands of high-altitude pseudo-satellites (HAPS), supersonic and hypersonic aircraft, and space launches. This may involve the performance assessment of GNSS systems supplemented with inertial systems to serve as backup during temporary GNSS outages caused by high-speed plasma formation or space radiation effects. Airborne-based alternative – Position, Navigation and Timing (A-PNT) Global navigation satellite systems (GNSS) including Galileo and the European geostationary navigation overlay service (EGNOS), are usually considered as suitable technologies for providing position, navigation, and timing (PNT) information as required. However, GNSS can be subject to local (e.g., interference, spoofing, jamming) or global (ionospheric issues, system fault) outages, and it also presents service limitations in those areas where there is limited sky visibility. With the objective of having a back-up solution for GNSS as the source of PNT in the situations above, several potential technological solutions have been or are being developed to provide alternate position navigation and timing (A-PNT). The proposed solution will therefore enhance service resilience (e.g., to RFI), availability, and continuity. This requires the support of industry standards to ensure the required interoperability. The proposed solutions should investigate how their developments fit into the larger cross-domain European complementary PNT (C-PNT) framework (note that there is on-going work under MIAR solution 0336 “LDACS-NAV solution & Modular Integration of A-PNT technologies solution” to the technologies mentioned below. The notion of C-PNT aims at building a larger European PNT ecosystem to mitigate the risk of PNT service interruption, which includes GNSS and several complementary emerging alternative systems. Research shall address the different options for time synchronisation (in particular during GNSS outages). On this point, note that there is on-going work by project MIAR SESAR solution 0336 “LDACS-NAV solution & Modular Integration of A-PNT technologies solution”. This research element includes the development to TRL6 of new A-PNT solutions that are aircraft-based, including but not restricted to: Radar-based navigation for approach phase: research shall aim at developing and validating additional navigation aiding solution based on vision (airborne active radar sensors), and to ensure that the accuracy and integrity of solution fulfils the demanding requirements of the approach phase in all weather conditions. Occasional GPS outage / degradation shall also be considered. A-PNT for small aircraft (including RPAS, and VCA) and drones combining navigation data from multiple constellations (e.g., GALILEO and GPS) with inertial measurement unit (IMU) based on atomic gyroscopes (low-cost inertial reference systems). The objective is to develop cost-effective A-PNT solutions that can be used by small aircraft (and drones) to ensure navigation performance levels consistent with evolving airspace and air traffic. Research shall consider the results of exploratory research project NAVISAS (TRL2). Other technologies may

be under scope, provided that they meet accuracy, availability, continuity, and integrity requirements. The research may address the provision of an assured navigation by realization of the C-PNT solution onboard the aircraft, utilizing various sources for navigation (e.g., GNSS, INS, DME/DME (eDME), Mode N, etc.) and providing RFI resilience by jamming & spoofing detection and mitigation. In the area of spoofing detection, the research may address the development of Galileo Open Service Navigation Message Authentication (OSNMA) airborne receivers. The research may also address combined GNSS-inertial systems (leveraging inertial sensors) and other augmentation to increase navigation accuracy, integrity, and continuity when GNSS is fully functional or partially unavailable. [1] Note that open and specific category drones are covered in WA 6.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20% 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for

reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Enhanced CNS capabilities

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA3-2

Summary : Enhanced CNS capabilities **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-16T00:00:00.000+0200 **Start Date** : 2025-04-01T00:00:00.000+0200

Description

Expected Outcome: To significantly advance the following development actions: IR-3-01 Next generation ATC platform: addresses the next generation ATC platform, fully leveraging aircraft capabilities. This includes supporting a data-sharing service delivery model, resilient integrated CNS/MET as a service, traffic synchronisation, etc., accommodating the specific needs of the military, innovative air mobility (IAM), higher airspace operations (HAO), and U-space, etc. IR-3-09 CNS capabilities to increase ATM system robustness (e.g., satellite-based multilateration (MLAT), GBAS dual frequency/multi constellation leveraging Galileo and providing robust protection against jamming and spoofing). This includes advancing the capabilities of the following systems: CNS systems: improved navigation and surveillance systems. ATS systems: ability of core ATS platforms for en-route and TMA operations to leverage CNS data as a service.

Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. CNS as a service Research shall address potential solutions for the provision of communication, navigation, and surveillance functionalities as a cloud-based or subscription-based service (CNSaaS) by an independent organisation. CNSaaS aims at offering these critical functionalities to aviation stakeholders, such as airlines, aircraft operators, and air navigation service providers, as a service model. Research results shall enable the decoupling of CNS service provision from the physical location of the infrastructure as outlined in the target architecture defined in the European ATM Master Plan. The scope covers the identification of possible CNS technologies and functions that could be provided as a CNS as a service and the development of relevant business models that could provide these CNS services including the assessment of technical requirements, such as spectrum management and efficiency, redundancy, flexibility of equipment of avionics and cyber security. Note that there is on-going work under project CNS-DSP. Research shall also consider the guidance material on CNS service assessment produced by PJ.14-W2-76 in SESAR 2020. This includes the development of CNS infrastructure monitoring services. New air/ground technologies for the integration of high-altitude pseudo satellites (HAPS), hypersonic and supersonic vehicles and space launches. Higher airspace operations (HAO) represent one of the most profound changes to the aviation ecosystem for many years. The number of space operations, high-altitude pseudo-satellites (HAPS), supersonic and hypersonic vehicles is set to steadily increase in the years ahead. This research area aims at developing new (or adapting existing) air / ground CNS capabilities to ensure the safe and efficient integration of hypersonic and supersonic vehicles into ATM. This may include: The review / update of navigation services to meet the demands of HAPS, supersonic and hypersonic aircraft, and space launches (e.g., assessing the performance of GNSS systems supplemented with inertial systems to serve as backup during temporary GNSS outages caused by high-speed plasma formation or space radiation effects). The integration of space-based ADS-B for tracking HAPS or supersonic and hypersonic aircraft at higher altitudes and speeds and its application for space surveillance and tracking (SST) for HAO. Space-based surveillance enables increased safety, through permanent real-time monitoring of air traffic worldwide, more ecofriendly ATM operations, and stronger resilience to GNSS degradations. It can also contribute to global rationalisation of terrestrial and space surveillance infrastructures through the integration of new space technologies (e.g., small and nano satellites, LEO, etc.). The development of non-cooperative surveillance technologies for HAO, based e.g. on technologies in use for space situational awareness (SSA) and space surveillance and tracking (SST), or technologies in use for military surveillance of the airspace. Provision of space weather services including emerging requirements for atmospheric observations and forecasts for supporting HAO. These technologies are civil/military dual use. Satellite based multilateration (MLAT) Nowadays, surveillance tracking systems rely on self-reported positions of aircraft, which are derived from GNSS satellites, which can be affected by interferences caused by different causes (e.g., spoofing, jamming, etc.). This research element covers the development of a complementary, resilient, space-based surveillance infrastructure, which uses a low earth orbit (LEO) satellite constellation to track aircraft by determining their exact position based on multilateration (MLAT) (i.e., using different times of arrivals of radio frequency (RF) signals). By independently verifying the location of an aircraft through geolocation satellite based MLAT technology, the proposed solution shall be able to track a plane in real time from take-off to landing. Research shall address the end-to-end validation of the proposed solution including both satellite (space segment and space network) and ground ATM components and determine and validate both functional and non-functional (i.e., performance) requirements. It is acknowledged that performing an end-to-end TRL6 validation with LEO constellation may be challenging; therefore, the proposals shall consider, as a preliminary step, the maturity of the different segments (space segment, space network, ground segment) separately, and clearly identify the risks to achieve TRL6. Also, research shall cover the description of future operations and service definition. Use of ADS-B phase overlay The objective is to develop applications that take advantage of the ADS-B phase overlay, for example: Secure ADS-B: Currently, there are no means to know if a single ADS-B message is valid or not, or if the sender is real or fake. For verification, surveillance systems correlate several messages and sources, what requires efforts and infrastructure. Research shall aim at completing the R&I work on this use case, to increase the security of ADS-B

introducing authentication through the data capacity provided by phase overlay. The research should investigate how secure ADS-B might allow the rationalization of the surveillance infrastructure, especially Mode S. Note that there is on-going work on this use case (to “anonymize” the ADS-B messages) under project MITRANO. Applications of ADS-B phase overlay that allow a reduction in the congestion of the 1030/1090 MHz frequency, which can lead to situations where the system performance does not comply with the safety required for specific separation applications, what leads to restrictions to access the airspace, potentially inducing delays and flight cancellation. Note ADS-B phase overlay should be developed as a civil/military dual-use technology. Collaborative cyber security framework for CNS Current aeronautical cyber security standards, recommended methodologies, and state of the art, responses to cybersecurity-threats and processes are based on some key assumptions: Aircraft is managing its own security and certification is managed at aircraft level only. Security solutions often rely on a binary trusted/untrusted security model. Security working groups and technical standards covering different aspects of the whole architecture work as silos. Those assumptions may not be sufficient to provide effective and long-term defence against cyber security attacks to automated aeronautical CNS environment. Research shall aim at defining and validating a global security collaboration framework based on uses cases across CNS domains, considering the end-to-end chain to address cybersecurity at global level. Research shall consider the network level cybersecurity when network is not aviation specific: what kind of cybersecurity requirements need to be put in the service provider, including addressing common points of failure. Research shall address potential solutions to mitigate radio frequency interference based on different techniques (e.g., filtering out jamming signals, etc.) or evaluating solutions employed in non-aviation applications, dynamic jamming/spoofing information sharing and the potential application of AI in this field. Research shall focus on developing aircraft-installed active radio antennas capable of adapting itself to the attack and mitigating the impact of radio jamming attacks. Military requirements shall be addressed. This research element also covers the monitoring and mitigation of the potential cybersecurity risks that may be introduced with the new entrants (e.g., HAO). Note that there is on-going work on this research element under project FCDI solution 0338 “Collaborative Cyber Security Framework for CNS”. Combined airborne and ground dual-frequency multi-constellation (DFMC) ground-based augmentation system (GBAS) GAST-E approach service Develop DFMC GBAS (GBAS GAST-E) to maximise the benefits of this technology, including for CAT II/III operations, to allow for more robust operations, including at high and low latitudes with tougher ionospheric conditions. This element also addresses increased resilience to radio frequency interference on a single band and increased resilience to single-constellation outages or failures. This includes the following elements. Develop both the DFMC GBAS ground station and the DFMC GBAS airborne receiver to TRL6 for GAST-E and carry out ground–airborne interoperability testing and performance validation. Note that the DFMC GBAS airborne receiver is not yet at maturity level TRL4, and therefore an essential priority would be developing and maturing it as quickly as possible to catch up with the development of the DFMC GBAS ground station, which completed TRL4 in SESAR 2020 under SESAR solution PJ.14-W2-79b “DFMC GBAS - GAST F” [1] . The proposal should address both ground and airborne aspects and include Galileo and EGNOS V3. Ensure that the DFMC GBAS baseline development standards and recommended practices (BDS SARPs) adequately covers definition of the interface for downwards compatibility (GAST-D, GAST-C). Develop a prediction service to anticipate CAT II/III unavailability due to atmospheric/solar events (forecasting ionospheric conditions and gradients) and to provide an estimate of expected performance in terms of minutes of expected unavailability of the service per year, including potential correlation with low-visibility procedures (if there is any). An alert service that forewarns airspace users in a timely manner of expected outages, prior to the outage happening, is necessary for the safe and efficient conduct of flights. Potential use of precise military GNSS signals (e.g., GPS pulse per second (PPS), GALILEO public regulated service (PRS), deemed equivalent to civil signals (e.g., GPS standard positioning service (SPS)), to support military compliance to civil NAV requirements and/or other uses. Support standardisation and accelerated certification activities, including: The creation of a new ICAO standard for GAST-E in line with the DFMC GBAS concept and the extension of current GAST-D standards to augment Galileo / EGNOS V3 signals. The provision of standards that would allow the industrialisation of GBAS equipment (ground station and airborne receiver) to ensure the timely delivery and full compatibility of both subsystems. Produce minimum operational performance standards for ground and airborne equipment, based on the work of EUROCAE Working Group 28 (in coordination with the Radio Technical Commission for Aeronautics (RTCA) Special Committee 159). Develop implementation guidelines, considering different airport layouts / levels of complexity. . Ground-based Alternative – Position, Navigation and Timing (A-PNT) Global navigation satellite systems (GNSS) including Galileo and the European geostationary navigation overlay service (EGNOS), are usually considered as suitable technologies for providing position, navigation, and timing (PNT) information as required. However, GNSS can be subject to local (e.g., interference, spoofing, jamming) or global (ionospheric issues, system fault) outages, and it also presents service limitations in those areas where there is limited sky visibility. With the objective of having a back-up solution for GNSS as the source of PNT in the situations above, several potential technological solutions have been or are being developed to provide alternate position navigation and timing (A-PNT). The proposed solution aims therefore at enhancing service resilience (e.g., to RFI), availability, and continuity. This requires the support of industry standards to ensure the required interoperability. The proposed solutions should investigate how their developments fit into the larger cross-domain European complementary PNT (C-PNT) framework. The notion of C-PNT aims at building a larger European PNT ecosystem to mitigate the risk of PNT service interruption, which includes GNSS and several complementary emerging alternative systems. Research shall address the different options for time synchronisation (in particular during GNSS outages). On this point, there is on-going work performed by MIAR SESAR solution 0336 “LDACS-NAV solution &

Modular Integration of A-PNT technologies solution”. This research element covers A-PNT that has both an aircraft and a ground component, including, but not restricted to: Enhanced DME for TMA: Aircraft navigate primarily using satellite-based signals, supported by ground-based infrastructure where needed. A prolonged outage of GNSS constellations has the potential to limit the ability of aircraft to take advantage of precise PBN procedures, impacting flight efficiency and airspace capacity. Research aims at developing alternative position, navigation, and timing (A-PNT) as a technical enabler to support PBN/RNP operations in case of extended GNSS degradation or outage. Research shall develop an enhanced distance measuring equipment (eDME) with capability to support more stringent A-PNT requirements. The technology is based on a coupling of the on-board interrogator and ground-based transponder equipment to provide a smooth and seamless implementation path and improved frequency band usage. The eDME equipment is expected to support more stringent RNP and improve spectrum efficiency, for example reducing L-band congestion. It anticipates minimum change to the on-board and ground hardware. The proposed solution shall introduce, in addition to the actual range capability (interrogation-reply), a pseudo-ranging (one way ranging), and ensure that the additional capability is fully backward compatible to support seamless deployment. Mode N A-PNT: Mode N is a ground-based system based on secondary surveillance radar signal formats that provides an A-PNT capability to backup global navigation satellite systems while retaining legacy distance-measuring equipment (DME) functionality. Mode N aims at delivering maximum spectrum efficiency combined with backward compatibility with legacy systems. Compatibility with military systems needs to be guaranteed. Since Mode N provides the opportunity to release a significant part of the L-Band frequencies currently occupied by DME and TACAN. The interoperability of Mode N is ensured by utilizing L-Band frequencies which are currently not used by DME on a global basis (although are used by military systems and spectrum compatibility needs to be guaranteed). A-PNT for vertical navigation to address use cases applicable if moving to a geometric height environment. Study reliance on TACAN as a means of A-PNT to support military compliance to NAV requirements. Other technologies may be under scope, provided that they meet accuracy, availability, continuity, and integrity requirements. [1] Note that this is an architecture change agreed at ICAO from GAST-F to GAST-E, which may require revalidation of part of the TRL4 material for GAST-F).

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts).
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to

share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

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Budget Overview

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Fast-track Enabling innovative air mobility (IAM) / Vertical take-off and landing capable aircraft (VCA) (crewed and uncrewed) operations

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA6-3

Summary : Fast-track Enabling innovative air mobility (IAM) / Vertical take-off and landing capable aircraft (VCA) (crewed and uncrewed) operations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA6-3>

Description

Expected Outcome: To significantly advance the following development actions: IR-6-04 Enabling IAM/VTOL capable aircraft (crewed and uncrewed) operations, including in complex environments, congested areas and vertiports. This includes IAM operational procedures enabling access to all types of airspace and vertiports (both VMC and IMC) and IAM automation including simplified vehicle operations, automatic take-off and landing (TOL), resilient navigation, energy management, etc. Research shall take into consideration the work done under EASA [1] on this element, especially in relation to General Aviation i-conspicuity needs. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Vertiport management for crewed VCA EC IR 2014/1111 [2] established the requirements for operations of crewed VCA, with specific requirements for the specification in the operational flight plan of at least two safe landing options at the destination, as well as adequate vertiports, diversion locations for VTOL aircraft (carrying out flights for medical missions in urban areas) (VEMs) operating sites that are available and permit a landing to be executed in a critical failure for performance (CFP). The research must establish how to fulfil this requirement from the ATS perspective, addressing: If the landing sites should be introduced in the ATS flight plan (the regulation currently leaves this point open) and if so, how this would be done for both VFR aircraft and IFR aircraft. Note for IFR crewed VCA, the landing sites should be included in the FF-ICE flight plan and coordination is needed with the WA1 or WA3 projects working in this area). Design and validate process to book all landing sites from departure to destination and progressively release contingency sites as the flight progresses and investigate how this process will be integrated with ATM processes. Research should investigate if for VFR aircraft the booking of the landing sites should be linked to a new VFR flight plan acceptance process, to an ATC clearance to land at the destination and all the landing sites given at the time of take-off, to a FIS-like service declaring all sites are available is sufficient to cover the requirement, or a different U-space service needs to be defined. The legal liability in case the landing site is not available when the VCA arrives must be investigated. The research must address the following cases: The destination is in a controlled airport that is not in U-space airspace. In this case, the research could develop an ATC reasonable assurance principle to allow the use of one or both landing spots planned in a VTOL capable aircraft (VCA) flight plan even after the VCA is already en-route. The adaptation of the conflicting ATC clearances safety net to support the concept could be investigated. The destination vertiport is in U-space airspace that is in controlled airspace. Note in this case the DAR principle in U-space regulation [3] applies, so that the airspace will be clear of drones and managed as controlled airspace during the conduct of the crewed VCA flight. The research may propose alternative airspace sharing concepts beyond what is possible within the current regulation. The research must aim at delivering a TRL6 solution aimed at enabling the deployment of crewed VFR VCA and Progress towards a future solution applicable to crewed IFR VCA, for which an FF-ICE flight plan acceptance process must be defined and validated (for this point, coordination with relevant projects in WA1 and WA3 is required). This element covers vertiport management for vertiports located in controlled airspace (class A-D) – which could also be in U-space airspace - and vertiports located in uncontrolled airspace (class F and G) that is not also declared as U-space airspace. Vertiports located in uncontrolled airspace that is also U-space airspace are covered in the element below (in this same WA). Note that there is on-going work under project EUREKA. Advanced vertiport and VCA U-space services This

element covers vertiport management functions and activities that impact traffic management for vertiports located in U-space airspace, bearing in mind the constraints imposed by battery powered aircraft. This may include: Processes that determine or limit take off time. Processes that determine or limit landing time. Processes governing occupancy of critical resources such as the touchdown and lift-off area (TLOF). These processes should be identified, and consideration given to their optimisation in the context of U-space including collaborative decision making and coordination as appropriate. Note that there is on-going work under project EUREKA. This topic covers vertiport management for vertiports in uncontrolled airspace (airspace F and G) that is also declared to be U-space airspace (expected to have significant traffic of small drones); the focus of the research is to ensure separation between small drones and VCA vertiport users. Vertiports that are not located under U-space airspace or that are located in U-space airspace in controlled airspace are covered by the element above (in this same WA). Initially, the scope is focused on crewed VCA operations, but it is expected that the same concepts will be applicable for uncrewed VCA. Crewed IFR VCA The aim of the research is to develop the concept for IFR crewed VCA, building on existing SESAR solutions for IFR helicopters “Optimised low-level IFR routes for rotorcraft” (SESAR solution #113) and “Independent rotorcraft operations at airports” (SESAR solution PJ.02-05). The solution should assess the applicability of existing IFR rotorcraft procedures and flight planning processes to VCA, adapting them where necessary. In particular, the research must assess how VCA energy management constraints may affect the capability of VCA aircraft to follow the type of IFR clearances in use for helicopters and develop and validate their use for VCA, proposing and validating new clearances where needed. Note the flight planning aspects related to the introduction of the landing sites in the FF-ICE flight plan should be linked to vertiport management and hence in scope of the previous bullet point “Vertiport management for crewed VCA”. Automation of the VCA cockpit and remote pilot’s working position The objective of this element is to address pilot digital assistance and automation support for the VCA cockpit to support a simplified VCA workload (e.g., aimed at a reduction of VCA crew workload related to pilot’s tasks and tasks related to communication with ATM, implementation of tactical ATC clearances, and on-board implementation of strategic changes to the flight plan in the execution phase for IFR VCA (after an FF-ICE/R2 revision process). The scope includes in particular the development of cockpit automation to support a concept for digital ATM communications via CPDLC during all phases of flight (en-route, TMA and airport). The ultimate objective is to make it possible that the flight crew workload is reduced to support the concept of one remote pilot overseeing from its working position two or more VCAs. Note that there is on-going work on this research element under project OPERA. Automatic take-off and landing (ATOL) for crewed or uncrewed VCA and helicopters The scope includes the development of navigation and procedures to enable all -weather take-off and landing for crewed or uncrewed VCA. Resilience of the navigation solution must be addressed. The solution is expected to progress from an initial flight-director-based concept towards the end goal of autopilot-based ATOL. Charts, procedure design and avionics should be addressed. Note that similarly to what happens today with Autoland for fixed-wing aircraft today, air traffic aspects e.g. clearance for approach, take-off and landing are not different in ATOL from vs. manual TOL (just like whether Autoland is used does not change the way ATM currently manages a flight), and hence do not need to be covered by this solution. Note that there is on-going work on this research element under project OPERA. ATC and flight information service (FIS) automation support VCA will first be certified as VFR, to later progress to IFR. The objective of the research is to increase the level of automation of VFR aircraft by ATC and FIS. Flight data processing systems (FDPSs) are designed for supporting ATC in the management of IFR aircraft, and typically do not provide adequate functionality to support ATC for the management of VFR aircraft. This results in VFR flights often causing unexpected ATS workload in the lower airspace. Research shall develop ATS automation tools and procedures to provide ATC or FIS services to VFR aircraft in airspace C-G and FIS services to IFR aircraft in uncontrolled airspace (airspace F and G). Research shall aim, as much as possible, at developing tools and concepts that can be applicable to both ATC (TWR or En-Route/TMA) and AFIS. The tools and procedures to be applicable will be applicable for all equipped VFR aircraft (not just VCA): Development of a new FF-ICE-like flight plan standard for VFR aircraft. Improve ATC ground systems for handling VFR flights and for supporting the transition IFR to VFR and VFR to IFR. One of the difficulties for the management of VFR aircraft is that they are not subject to the same ATC clearance requirements, and they do not have to adhere to their flight plan like IFR aircraft. The research may investigate how to reduce the uncertainty on VFR flights (e.g., by using new methods based on artificial intelligence/machine learning to better forecast VFR traffic). The research may investigate methods allowing VFR aircraft to share their intended route with ATC (e.g., via the downlink of the planned trajectory from an EFB using the applicable air/ground SWIM standard). Automation support for the provision of traffic information, potentially including fully automated provision of routine traffic information via VHF by a digital voice. The research should investigate the applicable safe wake turbulence separation from other traffic (for VCA), on approach and departure, beyond the initial requirement from EASA Prototype Specification, and in particular the ability to sustain possible encounter with wake vortices, generated by other aircraft or (large) rotorcraft. VCA (as multi-rotor vehicles) might have the same controllability / control authority (crewed or uncrewed) as other rotorcraft or as fixed wing aircraft, and this should be further studied and understood, based on state-of-the-art wake turbulence characterisation capabilities and risk assessment methodologies, in order to assess the need for applicability of standard or specific wake turbulence separation or management requirements. This research will pave the way for the introduction of digital flight rules, which is currently in scope of exploratory research. [1] <https://www.easa.europa.eu/en/research-projects/i-conspicuity-interoperability-electronic-conspicuity-systems-general-aviation> [2] https://eur-lex.europa.eu/eli/reg_impl/2024/1111/oj [3] European Commission Implementing Rules EU IR 2021/664 and EU IR/665.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
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5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

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Budget Overview

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Smart airports, airports as multimodal nodes and passenger experience

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA4-2

Summary : Smart airports, airports as multimodal nodes and passenger experience **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA4-2>

Description

Expected Outcome: To significantly advance the following development actions: IR-4-07 Smart airports , airports as multimodal nodes and passenger experience . IR-4-03 Cyber-resilience and cyber-security capabilities enabling the next generation of airport platforms. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Collaborative management at regional airports supported by Centralised Lite airport operations centre (APOC) The Airport operations centre (APOC) concept was originally developed for large airports during previous SESAR phases, based on a platform/operational structure which collaboratively and pro-actively manages airport operations performance. Although regional airports do not generally experience operational constraints in such scale as those occurring at large ones, they do experience issues which underperform their operations. The lack of communication and information shared amongst the stakeholders causes unforeseen deterioration of the airport performance with potential knock-on effect onto the ATM network. The research area aims at developing a Centralised Lite APOC, aiming at the improvement of inbound, turnaround and outbound predictability based on enhanced local collaborative environment and connectivity with ATM network. The approach is simple, cost-efficient, algorithm-oriented and focusses on use of NM digital services provided to airports. Airport and network information is exchanged thereby forming the basis for improved situational awareness whilst supporting pre-tactical and tactical decision-making. Research shall consider the work performed under solution PJ.04-W2-28.2 “Collaborative management at regional airports supported by Centralised Lite APOC”. Note that there is on-going work by projects RACINE and PEACOCK. AOP and performance monitoring for a group of airports This research element addresses the development of a single AOP to address the needs of a group of airports with similar operational needs that are too small to have their own AOP. This AOP combines information from each individual airports to meet collaboratively agreed joint targets for the group of airports, but taking into consideration individual airport needs and situation. The coordination among airports should always align and never compete with the overall airport-network view. Research also addresses the collaborative process for the definition of performance targets agreed for any set of airports that decide to gather under such a common AOP. The wider neighbouring community will participate in this process. The benefit of joint target setting will be the ability to set more challenging targets for a group of airports than would be possible for a single airport, thus providing improved service to the airspace users over a range of KPA. The overall performance of the group of airports will be monitored against the shared performance targets. The performance of one single airport or the group of airports will be provided, suitably filtered to all the stakeholders (wide access to airport performance). When a group of airports (too small to have their own AOP) with similar operational needs have decided to gather under a single AOP, there is a need to set and monitor the performance targets to further enable performance optimisation. Airport integration into the user-driven prioritisation process (UDPP) The research element covers the integration of UDPP with airport driven local DCB process to support airports, airspace users, NM and ANSPs to anticipate, understand and manage arrivals related disruptive events at airports’ level in planning phase, aiming at reducing impact and knock-on effects. The potential benefits include a better management of disruptions speeding up of the recovery to normal operations. Research may include the allocation of target times for arrival flights (TTA) combined with the user driven prioritization process (UDPP) into the overall reconciliation process, also in case of multiple constraints. The reconciliation of the arrival constraints resolution between the network management function and the airport/AUs is addressed through the following: Detection, analysis and coordination of the local demand/capacity imbalances during the pre-flight phase: APOC and AUs coordinate a resolution process supported by integrated tools. NM Network impact assessment and application of local DCB (APOC) management proposals during the pre-flight phase (pre-tactical and tactical from ATFM perspective). The progressive integration of AOP and NOP between NM and Airport, will be used when available in NM data. Integrating actively to the current mechanism of providing target times of arrival (TTAs) by ATM/Airport stakeholders, the AUs flights constraint through UDPP flights prioritisations. Research shall consider the work performed by SESAR 2020 SESAR solutions PJ.07-02 and PJ.07-W2-39. Note that on-going work on the evolution of evolution of UDPP concept is performed by HARMONIC project (i.e., on regional constraint reconciliation and network constraint reconciliation). Airport environmental performance management Management of airport operations often necessitates a trade-off between different performance criteria (e.g., flight delay, environmental sustainability, resource availability, etc.). Research is focused on airport environmental performance management with the aim of integrating environmental considerations into the overall airport operations management process, bringing the question of environmental performance into the decision-making process. Research includes the development of airport performance dashboard / cockpit to ensure an appropriate airport environmental performance monitoring. The introduction of an environmental dashboard in the airport operations plan (AOP) supports monitoring the airport environmental performance from the mid-term/short-term planning phase (D-1) thus improving collaborative decision-making process in the APOC. This dashboard should consider a series of environmental indicators in the daily operation of an airport in the execution phase, triggering and influencing operational decisions. The environmental indicators comprise those used in the performance plans but could also include additional local indicators if needed. The monitoring of the airport environmental performance can trigger the implementation of potential solutions to reduce the airport impact on noise and emissions at and near the airport. Research shall consider the work performed by SESAR solution PJ.04-W2-29.3 “environmental performance management”. Smart airports Smart airports, with landside and groundside fully integrated into the ATM network, will be based around connectivity and other technologies to improve

operations and the passenger experience. Research objectives include: The integration of airport and network planning and the timely exchange of surface transport network, airport and ATM network information will bring common situational awareness and improved mobility planning activities, notably arrival and departure predictability for both airports and the network. Research may also address the integration of vertiports into airport operations and surface transport network. Information-sharing and collaborative decision making will allow the inclusion of outputs from landside processes (passenger and baggage) to be used to improve the accuracy and predictability of airside operations. Business intelligence and machine learning will help airport stakeholders collaborate to align process and resource capacity with predicted demand in both planning phase (allocation of resources) and execution phase (dynamic adjustment of the plan based on anticipated impact on punctuality of flights and passenger experience). As future solutions will be virtualized and distributed, smart airports should leverage the collaboration power also to enhance the cybersecurity posture to prevent, protect and increase the cyber-resilience from attacks to the infrastructure. Adoption of novel passenger processing solutions able to offer a seamless passenger experience within and among airports. Considering ATM to be an integrated part of an intermodal transport system, research may include the development of potential solutions to share data between transport modes (e.g., ATM – rail) and to better collaborate to optimise the performance of both the overall transport system and the door-to-door journey. This includes the development of an integrated transport network performance cockpit and the definition of an integrated transport network crisis management process. Note that there is on-going work under project Travel-Wise on these topics. Drivers for this are the digital evolution of integrated surface movement, multimodal airport collaborative decision-making and flow optimisation, next-generation arrival manager in a TBO context, and enhanced integration between airspace users' trajectory management processes and ATM Network Manager processes. Integration of IFR RPAS in airport and CTR operations Research addresses the development of solutions for a safe and efficient integration of remotely piloted aircraft systems (RPAS) in controlled airspace into the existing air traffic control (ATC) procedures and infrastructures within airports under instrument flight rules (IFR), which are dominated by crewed aviation. To the maximum extent possible, RPAS will have to comply with the existing rules and regulations. The solution includes the identification of specific requirements of remotely piloted operations compared to the crewed operations, and the development (if needed) of technological enablers that could be required for their integration in the airport environment. The scope covers the following aspects: Surface operations by IFR RPAS at different type of airports including required coordination for IFR RPAS by using dedicated airport scenarios. Research covers the assessment of the impact on airport capacity and on the efficiency of airport operations. Integration into the tower ATC systems of additional IFR RPAS information, such as latency details on voice and C2 link, and usage of a voice communication back-up line. Detail handover processes between several ground station operators, potentially in a real flight trial using an IFR RPAS demonstrator and investigate handover contingency procedures (e.g., lost C2 link, or pending ATC instructions). It also includes higher automation in C2 link failure conditions in the airport environment. Investigate context-sensitive display of contingency procedures and the reception by tower ATC and RPAS pilots at the respective working positions. The research element includes the consideration of crewed aircraft pilots in the validation of contingency procedures for awareness purposes. Develop requirements and architectures for direct communication between ATC and the remote pilot, avoiding relaying voice and data through the RPAS vehicle, while maintaining shared situational awareness with other airport users. Integration of IFR RPAS in airspace class D and E controlled from an integrated TMA/CTR -TWR ATSU. The use of sustainable taxi technologies in the taxi phase and/or the development of on-board and remote pilot station technologies to allow autonomous taxi. The research shall consider the results obtained in solution PJ.03a-09 "surface operations by RPAS" and project INVIRCAT. Note there is ongoing work for the accommodation of IFR RPAS in airspace D and E in project IRINA.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20% 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed

partially of representatives of EU institutions and agencies (internal experts). 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.

5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support to programme execution on SESAR architecture and on Strategic deployment planning and monitoring

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA7-2

Summary : Support to programme execution on SESAR architecture and on Strategic deployment planning and monitoring **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA7-2>

Description

Expected Outcome: The proposals will contribute to the following expected outcomes in support of the SESAR 3 JU: Consistent SESAR architecture design (including when necessary, modelling) across the programme. Future Common Project regulations support the deployment of those strategic deployment objectives (SDO) elements that require a synchronised and harmonised roll-out at European level. Involvement of ATM workforce through their professional staff in the deployment planning activities, training, and engagement to gain social acceptance of the changes envisaged by the SDOs. Focus should be paid on facilitating the market deployment of priorities (i.e., SDOs) by a critical mass of early movers. In doing that, the project should support the SESAR 3 JU in the coordination at technical level of all entities involved in deployment at European level (e.g., EASA, SDM, EUROCAE, EDA, CNS Programme and Network Managers): Supporting S3JU in securing that Governing Board members are well informed at strategic level about the status of prioritised deployment activities defined in the European ATM Master Plan. The European Plan for Aviation Safety (EPAS) of European Union Aviation Safety Agency (EASA) and its supporting standardisation framework is fully aligned with priorities and timelines of the Master Plan. SES instruments work hand-in-hand (as from RP4) to promote investments on SDOs. ATM functionalities within the scope of SDOs requiring global harmonisation are recognised in the ICAO Global Air Navigation Plan (GANP) as priorities for global harmonisation fostering the necessary adaptation of the global regulatory framework. **Scope:** The scope covers deployment activities on the ATM Master Plan and the support to SESAR architecture activities (i.e., architecture modelling framework and support). Regarding the support to SESAR 3 JU in the management of the SESAR architecture (e.g., common taxonomy maintenance, content integration analysis, etc.), the scope covers the following activities: Upon the explicit request of the SESAR 3 JU, maintain architecture modelling methodology and framework and extend it if justified by programme needs (e.g., supporting the cyber risk assessment of supporting assets). Monitor SESAR architecture modelling, consistency / coherency analysis of architectural information, etc., applying the methodology defined and agreed during DES IR1 call activities under project AMPLE-3, and documented in the SESAR project handbook. Monitor and report SESAR architecture progress at

programme level, as the architecture modelling point of contact, within each SESAR 3 JU programme management team through monitoring and consolidation of each SESAR Solution architecture. Support to SESAR 3 JU on monitoring the progress of the R&I programme on key dimensions of the ATM Master Plan such as trajectory based operations (TBO), dynamic airspace configuration levels, automation levels, etc. (At the request of the SESAR 3 JU), contribute to maturity gates (as prioritised by SESAR 3 JU) to confirm that performance benefits and architecture progress are not only robust enough, but also aligned to the ATM Master Plan vision (i.e., performance ambitions and benefits, new service delivery model and target architecture), etc.). On the deployment dimension, this includes supporting the SESAR 3 JU to report on deployment activities in both industrialisation and implementation. To achieve the expected outcomes, the activities to be performed under the leadership of the SESAR 3 JU will focus on the following areas: Main activities: Support the SESAR 3 JU for the elaboration of the annual strategic deployment monitoring report, covering both voluntary deployment (e.g., by early movers associated to SDOs) and mandatory (e.g., regulated by Common Project CP1) deployment activities in both industrialisation (i.e., standardisation and regulation/certification) and implementation. This report should also establish a clear link and capture synergies with the implementation of the performance scheme and the mechanisms in place to monitor related investments (e.g., Performance Review Body (PRB) annual reports). Encourage market uptake of SESAR Solutions throughout the European network, provide support in updating the SESAR Solutions catalogue and the SESAR 3 JU website, regarding links to deployment, as a communications and dissemination tool. Support market uptake through deployment guidance (e.g., focusing on the human dimension of SDOs, etc.). Support on CBA activities in support of market uptake (e.g., keeping consolidated SDOs CBAs updated and deep-dive on some deployment actions when necessary to support market uptake) developing the required material for supporting decision makers. This may include network impact assessment activities, running integrated simulation on multiple SESAR Solutions, duly replicating observed real world operational environments to assess the impact that they could have at network level. Support SESAR 3 JU in maintaining the links between standardisation and regulatory needs (and corresponding enablers) and the European ATM standards coordination group (EASCG) and the European UAS standards coordination group (EUSCG) rolling plans. . Additional support activities (on the request of the SESAR 3 JU): Support (at the request of the SESAR 3 JU) other ad hoc strategic planning and monitoring activities (e.g., airspace architecture study-type activities, definition of future common project proposals where and when mandated, update of SRIA, etc.). Support the alignment of the ICAO aviation system block upgrade with the evolution of the European ATM Master Plan. Support preparation for performance impact plans on future reference periods (at national and ECAC levels). Support to a potential ATM Mater Plan update campaign.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts).
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research

and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE CSA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (CSA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE CSA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031

Budget Overview

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Support to programme execution framework on performance

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA7-1

Summary : Support to programme execution framework on performance **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-16T00:00:00.000+0200 **Start Date** : 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA7-1>

Description

Expected Outcome: The proposals will contribute to the following expected outcomes in support of the SESAR 3 JU: Consolidation and agreement on expected performance contributions (EPC) across the SESAR programme. Provision of a yearly consolidated view of the performance impact of future ATM concepts and SESAR solutions at ECAC network level, bringing together individual SESAR solution performance benefits and integrated network performance of all available SESAR solutions. **Scope:** The scope covers the support to SESAR performance related activities. architecture activities (i.e., architecture modelling framework and support) and performance activities. Regarding the performance dimension, the SESAR performance management process steers the overall R&I work, with reference to the SESAR performance ambitions and associated benefits specified in the European ATM Master Plan. It is based on the application of the baselined SESAR performance framework (SPF) [1] . The SESAR performance management process reconciles and maps the performance assessments and results delivered by the R&I projects with the SESAR Master Plan performance ambitions. It also ensures aggregating these results through the simulation of the relevant SESAR Solutions with the objective of delivering an ECAC-wide performance view, consolidation of performance results of on-going development activities, etc.). To achieve the expected outcomes, the activities to be performed under the leadership of the SESAR 3 JU will focus on the following areas: **Maintenance of performance framework:** Maintain reference performance methodologies (human performance assessment methodology, security assessment methodology and the security reference materials, environmental impact assessment methodology, safety assessment methodology, etc.) and performance framework (e.g., U-space performance framework, digitalisation, automation levels, passenger experience, etc.) following e.g., the update of the ATM Master Plan, Single European Sky (SES) reference period (RP), needs expressed by SESAR solutions or observed during the execution of R&I activities, etc. (upon the explicit request of the SESAR 3 JU). **Review and consolidation of SESAR templates and assessment criteria** (either for deliverable assessment and/or for maturity gate). If required, support and coach R&I project staff to ensure the correct application of the performance methodologies (e.g., safety, human performance, (cyber)security, environment) and the performance framework. Support, as the performance expert(s) point of contact, within each SESAR JU programme management team in particular through monitoring and consolidation of each SESAR Solution performance workflow stage(s), in preparation for robust validation plans and validation reports. At the request of the SESAR 3 JU, contribute to solutions maturity gates to confirm that a robust performance approach based on the methodology has been applied by the projects. . **Support to performance assessment and consolidation of network impact assessment:** Monitor proper implementation of SESAR performance workflow, from stage 1 in consolidation and agreement on expected performance contributions (EPC) up to stage 4 on performance result consolidation including extrapolation at ECAC level. Capture and aggregate the performance assessments delivered (for completed SESAR solutions) and the expected performance contributions (for SESAR solutions in progress) by R&I projects, delivering a yearly programme performance report in support to the yearly ATM Master Plan strategic development monitoring report, and a final PAGAR (i.e. full PAGAR campaign) at the end of the action. **Network impact assessment:** run integrated simulation on multiple SESAR Solutions, for consolidating a yearly programme performance report, assess trade-offs between key performance areas (KPA) / key performance indicators (KPIs). **Support to SESAR 3 JU on monitoring the progress of the R&I programme on environmental sustainability, digitalisation, etc.** [1] Baselined SESAR performance framework is always aligned to the ATM Master Plan in execution in the programme.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE CSA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (CSA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE CSA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Ground Test Demonstration and Preparation of Flight Test of an Ultra High Bypass Ratio Ducted Geared Turbofan Engine for SMR Aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-01

Summary : Ground Test Demonstration and Preparation of Flight Test of an Ultra High Bypass Ratio Ducted Geared Turbofan Engine for SMR Aircraft **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-01>

Description

Expected Outcome: Design, development, manufacturing and ground test demonstration of an Ultra High Bypass Ratio (UHBR) ducted geared turbofan engine, including advanced core engine and combustion technologies, advanced thermodynamic (variable) cycle; and hybridisation technologies targeting ultra-efficient propulsion systems for SMR aircraft, with a fuel burn reduction of minimum 20% at aircraft level compared to 2020 state-of-the-art. TRL 5 at ducted geared engine architecture system level from ground test demonstration at project completion. See the topic description document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Proposal Application Form for this call. MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Application and evaluation forms and model grant agreement (MGA): Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: First Release (20.02.2025) Q&A Document: Second Release (20.03.2025) (Corrigendum on Finance & Admin Q6 in R2 of Q&A on 27.03.2025) Q&A Document: Third Release (11.04.2025) CAJU Collaboration Agreement Model for Linked Actions (PDF) CAJU Collaboration Agreement Model for Linked Actions (MS-Word) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – General Introduction HE Main Work Programme 2023–2025 – Climate, Energy and Mobility HE Main Work Programme 2023–2025 – General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Flight Test Demonstration of Hybrid-Electric Propulsion for Regional aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-REG-03

Summary : Flight Test Demonstration of Hybrid-Electric Propulsion for Regional aircraft **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-REG-03>

Description

Expected Outcome: Aircraft integration of the hybrid-electric propulsive system, the associated nacelle & pylon, on-board systems, battery system, all needed adaptations of the airframe for a hybrid-electric Flight-Test Demonstration based on battery electrical energy storage. The topic covers FTD platform adaptations, ground testing needed to achieve Permit to Fly, and the execution of Flight Tests for TRL6 demonstration. See the topic description document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant

- agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Proposal Application Form for this call. MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Application and evaluation forms and model grant agreement (MGA): Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: First Release (20.02.2025) Q&A Document: Second Release (20.03.2025) (Corrigendum on Finance & Admin Q6 in R2 of Q&A on 27.03.2025) Q&A Document: Third Release (11.04.2025) CAJU Collaboration Agreement Model for Linked Actions (PDF) CAJU Collaboration Agreement Model for Linked Actions (MS-Word) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – General Introduction HE Main Work Programme 2023–2025 – Climate, Energy and Mobility HE Main Work Programme 2023–2025 – General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Aircraft concept and key technologies integration and impact assessment

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-ACI-01

Summary : Aircraft concept and key technologies integration and impact assessment **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-ACI-01>

Description

Expected Outcome: Design studies of the aircraft concepts introduced in the CAJU SRIA, demonstrating a minimum -30% reduction in the CO2 emissions. The topic covers the integration and co-ordination of CAJU key technology projects into a comprehensive aircraft concept, demonstrating the aircraft performance, emissions and maturity. The aircraft will demonstrate a TRL enabling product launch decision, which is considered as a TRL6 for all the critical aircraft technologies. See the topic description document published with this call for full details,

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Proposal Application Form for this call. MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Application and evaluation forms and model grant agreement (MGA): Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: First Release (20.02.2025) Q&A Document: Second Release (20.03.2025) (Corrigendum on Finance & Admin Q6 in R2 of Q&A on 27.03.2025) Q&A Document: Third Release (11.04.2025) CAJU Collaboration Agreement Model for Linked Actions (PDF) CAJU Collaboration Agreement Model for Linked Actions (MS-Word) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – General Introduction HE Main Work Programme 2023–2025 – Climate, Energy and Mobility HE Main Work Programme 2023–2025 – General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Flight Test Demonstration of an Unducted Engine Architecture for SMR Aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-02

Summary : Flight Test Demonstration of an Unducted Engine Architecture for SMR Aircraft **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-02>

Description

Expected Outcome: Flight test demonstration of an installed Open Fan engine architecture at TRL6 to demonstrate a - 20% of CO2 reduction at aircraft level and demonstration up to TRL 5 of enhanced performance technologies and advanced modelling capabilities for further efficiency and fuel burn improvements. See the topic description document published with this call for full details.

Conditions

- General conditions
1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.

2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
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Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"110216":[{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-03 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":35000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":70000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-02 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":100000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-ACI-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":2,"minContribution":0,"maxContribution":15000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-03 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":35000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-02 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":40000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":70000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}]}

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Demonstration of On-board Systems relevant for hybridization of Regional aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-REG-02

Summary : Demonstration of On-board Systems relevant for hybridization of Regional aircraft **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-REG-02>

Description

Expected Outcome: Development and demonstration of the on-board systems required for a hybrid-electric in-flight demonstration: electrical power generation and distribution system, thermal management system, and energy/power management system, including integration with a battery storage system. The topic covers ground demonstrations to TRL5 (including pre-integration), and flight test readiness for a TRL6 demonstration in Clean Aviation Phase 2. See the topic description document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
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Budget Overview

{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"110216":[{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-03 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":35000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":70000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-02 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":100000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-ACI-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":2,"minContribution":0,"maxContribution":15000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-03 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":35000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-02 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":40000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}],{"action":"HORIZON-JU-CLEAN-AVIATION-2025-03-REG-01 - HORIZON-JU-IA HORIZON JU Innovation Actions","expectedGrants":1,"minContribution":0,"maxContribution":70000000,"budgetYearMap":{"2025":"365000000"},"plannedOpeningDate":"2025-03-27","deadlineModel":"single-stage","deadlineDates":["2025-05-15"]}]}}}

Demonstration of a Hybrid-Electric Propulsion System for Regional aircraft, including Pylon and Nacelle Integration and modification

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-REG-01

Summary : Demonstration of a Hybrid-Electric Propulsion System for Regional aircraft, including Pylon and Nacelle Integration and modification **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-REG-01>

Description

Expected Outcome: Development and demonstration of a fully integrated hybrid-electric propulsion concept (thermal engine, electric motor and associated systems, propeller), including nacelle and pylon for integration on a regional aircraft flight-test demonstrator. The topic covers integrated ground demonstration to TRL5 and Flight Test Readiness for a TRL6 demonstration in Clean Aviation Phase 2. See the topic description document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Proposal Application Form for this call. MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Application and evaluation forms and model grant agreement (MGA): Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: First Release (20.02.2025) Q&A Document: Second Release (20.03.2025) (Corrigendum on Finance & Admin Q6 in R2 of Q&A on 27.03.2025) Q&A Document: Third Release (11.04.2025) CAJU Collaboration Agreement Model for Linked Actions (PDF) CAJU Collaboration Agreement Model for Linked Actions (MS-Word) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – General Introduction HE Main Work Programme 2023–2025 – Climate, Energy and Mobility HE Main Work Programme 2023–2025 – General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Ground Test Demonstration up to TRL5 of On-Board NPE Systems Architecture for SMR Aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-03

Summary : Ground Test Demonstration up to TRL5 of On-Board NPE Systems Architecture for SMR Aircraft **Status :** Open

Deadline model : single-stage **Deadline :** 2025-05-15T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-SMR-03>

Description

Expected Outcome: Development and demonstration of a Non-Propulsive Energy (NPE) system architecture and components for SMR aircraft through validation of the ground demonstrator of optimized electrical energy provision system at TRL5, supported by the technology maturation of the most significant energy consumers such as electric engine start, eECS, Air supply and cabin heating, EIPS, and Electric Actuation matured to TRL5 via ground tests, to be ground tested in real operating conditions. See the topic description document published with this call for full details.

Conditions

General conditions

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2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant

- agreement: described in Annex F of the Work Programme General Annexes
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Proposal Application Form for this call. MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Application and evaluation forms and model grant agreement (MGA): Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: First Release (20.02.2025) Q&A Document: Second Release (20.03.2025) (Corrigendum on Finance & Admin Q6 in R2 of Q&A on 27.03.2025) Q&A Document: Third Release (11.04.2025) CAJU Collaboration Agreement Model for Linked Actions (PDF) CAJU Collaboration Agreement Model for Linked Actions (MS-Word) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – General Introduction HE Main Work Programme 2023–2025 – Climate, Energy and Mobility HE Main Work Programme 2023–2025 – General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Design and Integration of a High-Performance Battery System on a Hybrid-Electric Regional aircraft

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-01

Summary : Design and Integration of a High-Performance Battery System on a Hybrid-Electric Regional aircraft **Status** : Open

Deadline model : single-stage **Deadline** : 2025-04-23T00:00:00.000+0200 **Start Date** : 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-01>

Description

Expected Outcome: Design and demonstration of a high gravimetric energy density battery system (comprising cells, battery management system, housing), the thermal management concept, and interfaces to relevant aircraft systems for hybrid-electric regional application. The topic covers ground demonstrations to TRL4, paving the way for further research to reach TRL5 and TRL6 demonstrations. See the topic descriptions document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Fast Track Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a "need to know basis". The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Application Form CA JU Fast Track Activities MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: Second Release (27.03.2025) On 10/04/2025 a corrigendum was published to the Q&A document with an update to question 4 in the Fast Track category (indicated by an exclamation mark "!"). Q&A Document: First Release (20.02.2025) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant

Budget Overview

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Next generation ATS platform for airport operations

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA4-1

Summary : Next generation ATS platform for airport operations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA4-1>

Description

Expected Outcome: To significantly advance the following development actions: IR-4-01 Next generation airport platform addresses the next generation airport platform fully leveraging aircraft capabilities. This includes supporting the data-sharing service delivery model, interconnected with other airports and their 3rd parties (e.g. ground handlers), ANSPs, NM, CNS/MET as a service, etc., facilitating the accommodation of IAM, the interface with U-space as well as specific needs from the military. IR-4-02 Artificial intelligence (AI) capabilities enabling the next generation of airport platforms. IR-4-03 Cyber-resilience and cyber-security capabilities enabling the next generation of airport platforms. IR-4-04 Airport solutions for reducing environmental impact operations . This includes sustainable taxi related concepts, environmental performance dashboards, etc. IR-4-05 Future human – machine teaming . IR-4-06 Optimisation of runway throughput . IR-1-01 Integrated air/ground trajectory management based on ATS-B2 including the extension for lower airspace and airport surface. This includes advancing the capabilities of the following systems: Ground systems: core ATS platform for airport operations. Scope: Research aims at developing the next generation of airport platforms, considering state-of-the-art ground technologies while leveraging innovative solutions and new aircraft capabilities aiming to achieve level 4 of automation as outlined in the Master Plan and by considering a trustworthy AI approach. The targeted airport platforms shall enable the following capabilities: Ensuring that all flights/missions (crewed or uncrewed) operate in the airport and in adjacent airspace in a way that maximises, to the fullest extent, aircraft capabilities to reduce the overall climate impact of aviation (CO 2 and non-CO 2) (see detailed R&I needs below). Ensuring that each flight trajectory is optimised considering the individual performance characteristics of each aircraft, user preferences, real-time traffic, local circumstances, and meteorological conditions at the airport. This optimisation shall be systematic, continuous (from planning to execution), and extremely precise throughput is improved in high demand scenarios (see detailed R&I needs below). Intelligent surface management and airport safety nets maintain airport operations safe in all weather conditions while runway throughput is improved in high demand scenarios (see detailed R&I needs below). Service providers can dynamically and collaboratively scale capacity up or down in line with demand by all airspace users. These capacity adjustments are implemented in real time and ensure optimal and efficient dual (both civil and military) use of resources at any moment at the airport (data, infrastructure, and human-machine teaming). Endpoints, data connection and ecosystem are cybersecure thanks to enhancement to key properties of information security such as, but not limited to, strong identification, authentication and integrity. Post-quantum

cryptography (PQC) algorithms [1] should be considered where appropriate, ensuring cyber-resilience risks are adequately managed. Collaboration among airports and system manufacturers will enable an enhanced cybersecurity in the next generation of ATS platforms. Research shall consider the on-going work by ICAO on the international aviation trust framework (IATF), which aims at developing standards and harmonised procedures for a digitally seamless sky and dependable information exchange between all parties. The contribution during airport operations to the continuous optimisation of every flight/mission from gate to gate is systematically guaranteed thanks to high connectivity between air-ground and ground-ground components. The human operator is performing only the tasks that are too complex for automation to manage, teaming up with automation (see automation roadmap of the Master Plan). Air-ground voice communication is no longer the primary way of communicating and most routine tasks should be managed through machine-to-machine applications. To enable TBO phase 3 in a highly automated airport environment in accordance with the TBO and automation roadmaps in the ATM MP (see detailed R&I needs below). Specific minimum requirements for this topic: Consortia for this topic shall include: At least three airports. Either include an established ATS airport system manufacturer or provide evidence that the consortium has the operational and technical capability to build the ATS airport system prototypes required for the research at the required maturity level. The proposed target architecture shall be aligned with the service delivery model outlined in the Master Plan. Detailed R&I needs to enable TBO Phase 3 to be considered: The following list of detailed R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan.

ADS-C standard instrument departure (SID) conformance monitoring on the airport surface This element covers the conformance check that the correct SID is loaded on the FMS based on the ADS-C downlink. This is a safety net that functions automatically in the background. The aim is to preserve safety in a more flexible environment where environmental constraints may result in SID allocation becoming less predictable than in the past. Use of ATS B2 CPDLC v2/v4 on the airport surface This solution covers the development of the ATC ground systems, in support of the use of CPDLC on the airport surface. This includes an enhancement of the D-TAXI capabilities to allow the use of CPDLC to uplink taxi clearances when the aircraft is already taxiing, as well as for the uplink of a revised departure route at any point after the aircraft has left the gate until shortly before take-off. The request for the uplink of a revised SID will typically be sent from the TMA systems to the TWR systems. The new departure route could be a SID (i.e., one of the published departure routes from the airport) or a custom-made departure route (e.g., a published SID but with vertical constraints aimed at facilitating a better climb profile). This increased flexibility will make it possible to uplink departure routes shortly before take-off with vertical constraints to ensure separation with other aircraft so that aircraft fly more efficient vertical profiles. This applies in particular to the tactical uplink shortly before take-off of departure routes that ensure separation between departures and/or arrivals to/from the same or proximate airports based on actual traffic rather than SIDs being loaded at the gate assuming a worse-case scenario. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 4) and the airborne prototypes (covered in WA 5).

Enhanced optimised and safe runway delivery for arrivals and departures Enhanced optimised separation delivery for arrivals and departures using more accurate flight-specific predictions of final speed profiles derived from either an evolved extended flight plan or an EPP downlinked from the aircraft using ADS-C or advanced big data / ML techniques. Research may include automatic real time wake turbulence separation on departure based on LIDAR and its integration on ATS platform. This requires the development of SWIM based meteorological services as automatic input to separation and runway delivery tools employed to manage arrivals and departures at capacity constrained airports. The research element covers the possibility to operate time-based separation, which provides valuable extra landing capacity and resilience, with RNP-defined approaches. Research may consider the application of digitised augmentation to expedite decision making. Research shall consider the work performed by project PJ.02-W2 in SESAR 2020 (e.g., SESAR solutions PJ.02-W2-14.8, PJ.02-W2-14.14, PJ.02-W2-14.7, PJ.02-W2-14.9a, PJ.02-W2-14.10, PJ.02-W2-14.11, PJ.02-W2-14.6a, PJ.02-W2-14.6b, MIAR solution 0336). This research element also covers the development of enhanced ground based surveillance sensors or sensor fusion architectures able to detect obstacles on or near the runway or predict potential runway incursions, including ATC aids for comparing traffic movement with automated recognition of ATC voice and future datalink-based clearances (work is on-going in project ASTONISH). Advanced calibration of airport capacity The ATFM declared capacity of an airport is the maximum number of aircraft that can be allocated a pre-departure time of arrival (TTA) in a given time slot. It considers the runway throughput and the uncertainty of traffic demand data: the higher the uncertainty, the higher the buffer in the declared capacity needs to be to ensure that there will be no holes in the sequence due to under-delivery. Uncertainty of traffic demand data not only affects to the declared airport capacity, but also to the staffing. An accurate hourly traffic demand is essential to predict how many ATC positions are needed to be opened at the tower every hour, and therefore, the necessary staff. Research aims at developing a solution aimed at leveraging the reduced traffic uncertainty brought by SESAR developments by reducing the declared capacity buffer without effectively reducing real capacity or traffic movements. Thanks to the reduced buffer, aircraft will have lower arrival sequencing and metering (ASMA) delay, which will result in environmental benefits. Integrated management of single-engine and engine-off taxiing operations In engine-off or single engine operations, one or more of the main aircraft engines are started in the taxi-out phase instead of at the gate. Doing so at the right time, neither too early (missing some engine-off taxi time benefits) nor too late (creating extra taxi-out time and potentially disrupting the departure sequence), is essential to maximise the environmental benefits, but this can be challenging at medium and large A-CDM airport

environments at peak demand times. The research should address: Management of single engine taxiing operations, autonomous and non-autonomous engine-off taxiing operations. This includes the direct management of tugs or the coordination with the tug manager service for airports where this service is available. Mixed operations aspects: engine-off taxiing vs. conventional taxiing, different engine-off taxiing techniques in the same operating environment. The synchronisation of the engine start-up and target take-off time (TTOT). Scalability aspects depending on the different airport categories where the solution(s) could be implemented. Impacts on other airport systems (e.g. airport operations centre (APOC), advanced surface movement guidance and control system (A-SMGCS), etc.). Research shall consider the output of project AEON. Management of non-autonomous engine-off taxiing operations by tug fleet manager Research aims at developing the concept of tug fleet manager in the context of non-autonomous engine-off taxiing operations. The tug fleet manager is a new role between airport management and air traffic control who oversees the implementation of the tug's allocation plan during the non-autonomous engine-off taxiing operations. The tug fleet manager assigns their missions to tugs drivers in real time and adapts the tugs planning to any operational events (e.g., delays, failures, etc.). The tug fleet manager will help managing the additional traffic on taxiways caused by the tugs and optimising the tugs usage. Hence it will provide following benefits: fuel and noxious emissions reduction, ground ATC workload for tow tugs management reduction and more precise sequencing with taxi times depending on actual taxiing technique and real time update. Research shall take into consideration the results of project AEON. Note that there is on-going work by project ASTAIR. Data exchange between TWR and En-Route and TMA platforms The existing differences in handling the essential flight plan (FPL) information between TWR and En-Route and TMA platforms result in a number of workarounds used by the ANSP or vendors to close the gap on TWR - APP/ACC systems connectivity, resulting in subsequent problems with provision of the departure sequence or other coordination elements. Going further, since the TWR systems will have to facilitate the IAM elements, research aims at evaluating and determining which information and how should be exchanged between TWR and APP systems, enabling seamless coordination. [1] <https://digital-strategy.ec.europa.eu/en/library/recommendation-coordinated-implementation-roadmap-transition-post-quantum-cryptography> .

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . All applicants who have submitted proposals under this topic will be invited to participate in a hearing as described in subsection 2.4 of the BAWP 2024-2025. The purpose of these hearings will be to:
 5. clarify specific elements of the proposals and provide the necessary clarifications to allow the evaluation committee to establish its final assessment and scores, or
 6. enhance the evaluation committee's understanding of the proposals to ensure a thorough and accurate evaluation. The evaluation committee will integrate the information gathered during the hearing into the overall assessment, which may affect the final score in areas where clarification was necessary. The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts).
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
7. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions

under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Airborne capabilities for supporting reducing ATM environmental footprint

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA5-3

Summary : Airborne capabilities for supporting reducing ATM environmental footprint **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA5-3>

Description

Expected Outcome: To significantly advance the following development actions: IR-5-04 Airborne capabilities for supporting reducing ATM environmental footprint . This includes wake energy retrieval (WER), energy-based operations, and environment driven trajectory optimisation, etc. IR-3-08 Geometric altimetry . Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Environmentally driven trajectory planning Research aims at developing technologies and operational concepts to allow the planning of more optimised trajectories by considering both CO₂ / non-CO₂ effects in the aircraft trajectory planning. Research shall assess the need and if required develop sufficiently accurate models (e.g., aircraft performance, climate impact, etc.) to support efficient trajectory optimisation. Research shall integrate different inputs (e.g., CO₂ emission profiles, eco-sensitive regions (i.e., regions where non-CO₂ effects (e.g., contrails, NO_x, etc.) are significantly important), aircraft dynamical models, and define potential optimisation algorithms for trajectory planning. Airline trajectory optimisation plays an important role on the global environmental mitigations. However, and since adopting independently optimised trajectories may not be always operationally feasible, the proposed algorithms shall consider air traffic management aspects such as safety, traffic demand, complexity, etc. Environmentally driven trajectory optimisation shall include enroute and terminal areas. The optimisation in the terminal areas shall consider both noise, non-CO₂ and CO₂ including potential trade-offs. The research element should address the update of computerised flight plan service products, FMS updates and/or the development/update of EFB applications. The development of improved aircraft (e.g. for new aircraft, or more accurate models of existing aircraft) or climate models is also in scope. Note the integration of FOC, EFB and FMS is covered in WA 1-1. Since adopting independently optimised trajectories may not be operationally feasible, the proposed algorithms shall be able to consider constraints expected from ATM (e.g. constraints from NM, be them RAD constraints or constraints imposed specifically to a flight, ATC constraints, LoA). The algorithms may incorporate a concept for considering the probability that an ATM constraint will actually be applied in execution as part of the planning. Potential use cases of the probabilistic approach to flight optimisation include, for example: If a LoA or RAD constraint for an early descent is expected to be waived, the flight plan could be optimised under the assumption it will be waived. if a shortcut is usually expected on a specific route, the flight plan may be optimised under the assumption the DCT will happen, even if the flight plan needs to file with the full route without the DCT. Wake energy retrieval (WER) WER operations allow aircraft to reduce fuel-burn by flying closely behind another aircraft, thus taking advantage of some of the residual lift of the leader. From an ATM point of view, the challenge is to identify WER candidate pairs, manage the rendezvous and then the pair when formed. In low-density airspace, continental airspace and/or oceanic/remote airspace, previous R&I has laid the operational foundations supporting WER entry into service for limited number of pairs. Research shall address the development and validation of a concept of operations for scaling up the WER concept to higher pair frequencies and the remaining en-route operational environments, considering the outcomes and results of previous projects on the topic. The research must

cover both the ground and airborne technical developments and procedures, with a particular focus on support tool integration in common FDP systems as well as suitable automation steps to enhance ATCO efficiency when handling multiple WER operations or requests. The whole process must be addressed, starting with the flight planning phase (with inclusion of WER equipage information in the flight plan), the identification of candidate pairs, the actual ATC clearances required to put the two aircraft in a situation where the pairing manoeuvre can start, the ATC clearance for the pairing manoeuvre, the control of the flights by ATC during the WER operation and the ATC clearance to unpair. Tools for monitoring network WER operations for performance assessment purposes are also in scope. Research shall address air to air (A/A) communication to enable new operations such as WER, defining the operation needs and requirements that should drive the developing of the associated technical capabilities. In addition to contributing to the operational validation of such aircraft and ground capabilities, the research must pave the way to the standardisation and certification of the new airborne and ground systems, as well as support the adoption of WER at a global level through ICAO. Note that there is on-going work under project GEESE. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5).

Environmentally friendly TMA operations through combined dynamic management of aircraft configuration and navigation and route structure The research aims at enhancing flight management system on the one hand, which advises the pilots to perform the flight more optimally. It includes the required aircraft configuration with allowing a flight along the lateral path of the permanent resume trajectory (PRT) and the newly calculated optimal vertical profile from the FMS by the autopilot or (semi-)manual flight with commanded selections by the pilots. In both ways, modern aircraft flight control architectures can cope with the foreseen FMS enhancements for arrivals and departures as these have strong influence on the noise impact. Furthermore, new communication ways will ensure the required data exchange to provide the enhanced functionalities. On the other hand, new airspace management techniques and related support tools open the path for more optimal routing of aircraft in the terminal manoeuvring area (TMA) enhancing the airspace capacity with more environmentally friendly operations at the same time while further maintaining and ensuring today's safety level. The proposed solutions shall address not only arrivals but also departures as these have strong influence on the network capabilities. This research includes the development of avionics and procedures to improve vertical navigation in all phases of flight, including energy management in the descent, implementation of strategic or tactical vertical constraints and monitoring of their compliance, etc. Note that there is on-going work on this research element by projects DYN-MARS (working also on procedural aspects in relation with route structures dynamicity) and GALAAD. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Voluntary mitigation of climate impact for individual flights in low-density/low complexity traffic situations at AU initiative This research element covers the update of state-of-the-art FOC and/or EFB applications to implement a multi-objective flight planning via the integration of climate impact models (e.g., algorithmic climate change functions) with the goal to consider the overall climate impact (CO₂ and non-CO₂ effects) of a flight while ensuring the compliance with conventional flight planning boundary conditions and operational constraints. The proposed solutions shall consider the impact on the uncertainty in weather forecast (e.g., persistent warming contrails forecasts based on any observation technologies available). From a conceptual point of view, the enabler solution developed could be implemented in different phases of the flight planning process, comprising strategic and tactical flight planning and even a revision of the flight plan during the execution phase. The climate optimised trajectories may require unusual flight profiles in the vertical dimension (e.g. eco-yoyo flights, unusually low requested cruising level, longer track miles than expected by ATM). These unusual profiles are difficult to manage for ATM. The objective of the research is to facilitate that AU who so desire can fly these unusual profiles whenever safety is not compromised. Note that the concept could be applied to any airspace (including high density/complexity) at periods of low traffic demand/ low traffic complexity. Research should develop a concept to assess in operations until which level of traffic demand / traffic complexity this approach is operationally feasible. When not feasible, a coordinated approach should be applied as described in WA3-1 (research element "Network-orchestrated avoidance of eco-sensitive areas"). Research considers: These unusual flight plan profiles may need to be flagged to avoid that they are rejected by the IFPS, and NM systems may need some adaptation to process them. ANSPs shall also have the information that these flights are flagged for environmental reasons. A process for local ATFM units to assess the increased workload/complexity caused by these flights and whether it is feasible to handle them (e.g., unusual profiles to be accepted whenever the sector demand is below XX% of the maximum capacity). ATC support tools to provide service to eco-yoyo flights (e.g., FDPS adaptation, ATC support to ensure timely climb or descent as per the yoyo profiles, etc.). The research may also include support for flights requesting unusual profiles directly to ATC instead of doing so in the flight plan (e.g., development of phraseology). A concept could be considered for declaring an eco-sensitive area of the airspace (i.e., areas where warming contrails are predicted) as eco-yoyo-friendly when traffic demand allows. Environmentally optimised operations with geometric altitude Since the early days of aviation, barometric pressure measurements have been a simple and robust method for altimetry. Two drawbacks exist though: there is no direct reference to terrain, and the constant variations in pressure caused by the weather leads to increased vertical profile variability restricting capacity and flight efficiency in today's high traffic density. Research shall investigate the potential of extending the use of geometric altimetry enabled by satellite navigation to increase safety and deliver environmental benefits. The following elements are in scope: Earlier barometric to geometric transition in the approach: the objective is to facilitate a smoother descent by anticipating the switch from barometric to geometric guidance. It can also support a reduction of the length of the segment of the approach path that is required to be aligned

to the runway. This element requires a proposal for an update of the procedure design in PANS OPS. The work of PJ.02-W2-04.3 “advanced curved approach operation in the TMA with the use of geometric altitude” must be considered. Note that there is on-going work on this research element by project Green-GEAR. Extension of the geometric altimetry concept in the climb/descent phase up to, or through, the transition layer: the objective is to eliminate the need for QNH setting, so that in geometric-altimetry airports/CTRs/TMAs aircraft would fly with respect to geometric altitude below a defined transition altitude (above which barometric altimetry with QNE would continue to be used). When going through the transition layer, aircraft would switch to/from geometric from/to barometric, or remain in geometric until enroute, instead of the current from/to barometric with respect to QNE to/from barometric with respect to QNH. The research should investigate if geometric altimetry based on GNSS without augmentation as per the current GNSS and IRS navigation paradigm in place (outside of specific approach procedures requiring augmentation, e.g. LPV, GLS) is sufficiently accurate or augmentation would be required. The flight-deck HMI needs to be developed to make both geometric altimetry and barometric altitudes available, and both altitudes should also be downlinked to ATC systems. The aircraft flight path control systems (FMS and autopilot) will also be affected (note that there is on-going work on the FMS by Project DYN-MARS). The research should also study the feasibility of a mixed barometric/geometric altimetry environment, including a quantification of the barometric vs. geometric altitude differences and research on how the vertical separation process would be affected. Impact on the development and readability of aeronautical charts should also be studied (e.g., publish both barometric and geometric minima vs. single geodetic/MSL minima with a sufficiently high transition altitude). The specific needs and constraints of general aviation must be considered. Geometric altimetry above the transition layer: in a geometric cruise, aircraft do not have to climb/descent when flying across isobars to maintain a constant altitude, but thrust settings need to be adapted to outside air pressure changes. The research must analyse the environmental impact in terms of fuel burn these two opposing effects would have and if possible, conclude with a go/no-go recommendation for this concept. If recommendation is to go ahead, the research should continue building on the previous point for geometric altitude below the transition layer. Potential reduction of separation minima thanks to more precise altimetry: the increased precision of the altimetry is expected to allow a reduction of vertical separation minima to 500 ft. for some aircraft type pairs (based on the results of a preliminary research on this topic conducted by SESAR project R-WAKE). The research should build on the R-WAKE project research to investigate this potential reduction of minima in different environments from the safety perspective and provide an estimation of the benefits it would provide. Note that there is ongoing research on the transition to geometric altitude in SESAR project Green-GEAR and that in this call WA 6-2 there is an element addressing altimetry for drones. While it may not be required that open and specific category drones and certified aircraft use the same altimetry system, projects working in altimetry for drones and projects working in altimetry for certified aircraft should share information and consider interoperability at low altitude or applicable buffers for separation. This element may benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5).

Conditions

General conditions

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 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Advanced Concepts for Reliable Power Electronics Conversion and Distribution in Aviation

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-03

Summary : Advanced Concepts for Reliable Power Electronics Conversion and Distribution in Aviation **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-03>

Description

Expected Outcome: Development of advanced concepts and technologies for auxiliary functions of the HVDC energy conversion, including the development and validation up to TRL4 of physics-based lifetime and reliability models for the latest semiconductor materials (such as wide-bandgap), together with new inductor and insulation designs. Demonstration up to TRL5 of an advanced Power Converter with functional integration of AFD (Arc Fault Detection), active EMI (Electro-Magnetic Interference) Filtering & Health Monitoring (HM). See the topic descriptions document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Fast Track Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant

Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Application Form CA JU Fast Track Activities MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: Second Release (27.03.2025) On 10/04/2025 a corrigendum was published to the Q&A document with an update to question 4 in the Fast Track category (indicated by an exclamation mark "!"). Q&A Document: First Release (20.02.2025) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Crashworthiness of fuselage integrated LH2 storage solutions

General Info

Topic ID : HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-02

Summary : Crashworthiness of fuselage integrated LH2 storage solutions **Status :** Open

Deadline model : single-stage **Deadline :** 2025-04-23T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-JU-CLEAN-AVIATION-2025-03-FTA-02>

Description

Expected Outcome: Develop and validate the crashworthiness of a fuselage integrated LH2 storage system (LH2 tank) through the development of transient numerical models for the complete system and validation through a complete barrel section ground test demonstration. Identification of the certification route challenges and development of adequate means of compliance to reach a TRL5 by the end of the project, supporting the development and the demonstration of safe operation of the future HPA aircraft. See the topic descriptions document published with this call for full details.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes. The Specific Clean Aviation Rules for submission, evaluation, selection, award and review procedures of Calls for Proposals are described in a document to be found by clicking ==> HERE Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes The CA JU Specific Evaluation Template for this Fast Track Call is: Evaluation Form IA an RIA Actions Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes. 5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Note in particular Chapter 2.4.3 "Conditions and Management of the call" in the Work Programme The winning applicants will be required to sign a Cooperation Agreement, an agreement between the consortia of the relevant CAJU Grant Agreements that sets out a framework to foster the exchange of information and/or data among and across CAJU co-funded actions and the beneficiaries on a “need to know basis”. The Proposal Templates will be available in the submission system when it opens (late March 2025), But to allow potential applicants to already start preparing their proposal(s) from the moment of call publications, all the necessary documents are also available here on the F&T Portal: Application Form CA JU Fast Track Activities MGA (Model Grant Agreement) HE General MGA v1.0 CA JU Model Consortium Agreement: PDF Version WORD Version Clean Aviation contract template for the provision of services by the European Aviation Safety Agency (EASA) Potential applicants are advised to check this web page periodically in case there are any updates to the documents. If there are any changes this will be mentioned in the "Topic Updates" section at the top of this page and also in the Q&A document. Additional documents: The Full Description of Topics in this Call Clean Aviation Work Programme 2024-25 Q&A Document: Second Release (27.03.2025) On 10/04/2025 a corrigendum was published to the Q&A document with an update to question 4 in the Fast Track category (indicated by an exclamation mark "!"). Q&A Document: First Release (20.02.2025) Clean Aviation Strategic Research and Innovation Agenda (CA JU SRIA) HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Next generation ATS platforms for en-route and TMA operations

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA3-1

Summary : Next generation ATS platforms for en-route and TMA operations **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA3-1>

Description

Expected Outcome: To significantly advance the following development actions: IR-3-01 Next generation ATC platform addresses the next generation ATC platform, fully leveraging aircraft capabilities. This includes supporting a data-sharing service delivery model, resilient integrated CNS/MET as a service, traffic synchronisation, etc., accommodating the specific needs of the military, innovative air mobility (IAM), higher airspace operations (HAO), and U-space, etc. IR-3-02 Artificial intelligence (AI) capabilities enabling the next generation platforms. IR-3-03 Cyber-resilience and cyber-security capabilities enabling the next generation platforms. IR-3-04 Separation management for high levels of automation. IR-3-05 Demand capacity balancing (DCB) and airspace configuration concepts for high levels of automation. IR-3-06 Future human – machine teaming . IR-3-07 Ground capabilities for reducing ATM environmental footprint . This includes climate-optimised trajectories including non-CO 2 effects (e.g., contrails), environmentally optimised climb and descent operation, advanced required navigation performance green approaches, dynamic allocation of arrival and departure routes considering noise and local air quality, green ATC capacity concept, flexible eco-friendly clearances, wake energy retrieval (WER) [1] , integration of sustainable aviation fuels (SAF) and zero emissions aircraft, environmental performance dashboards, etc. IR-1-01 Integrated air/ground trajectory management based on ATS-B2 including the extension for lower airspace and airport surface. This includes advancing the capabilities of the following systems: Ground systems: core ATS platforms for en-route and TMA operations. Scope: Research aims at developing the next generation of ATS platforms both for en-route and TMA environments, considering state-of-the-art ground technologies while leveraging innovative solutions and new aircraft capabilities aiming to achieve level 4 of automation as outlined in the Master Plan and by considering a Trustworthy AI approach. The targeted ATS platforms shall enable the following capabilities: Ensuring that all flights/missions (crewed or uncrewed) operate in a way that maximises, to the fullest extent, aircraft capabilities to reduce the overall climate impact of aviation (CO 2 and non-CO 2) (see detailed R&I needs below). Ensuring that each flight trajectory is optimised considering the individual performance characteristics of each aircraft, user preferences, real-time traffic, local circumstances, and meteorological conditions throughout the network. This optimisation shall be systematic, continuous (from planning to execution phase), and extremely precise (see detailed R&I needs below). Potential conflicts between trajectories or traffic bottlenecks are resolved much earlier than today, bringing safety benefits. Service providers can dynamically and collaboratively scale capacity up or down in line with demand by all airspace users. These capacity adjustments are implemented in real time and ensure optimal and efficient dual (both civil and military) use of resources at any moment across the network (airspace, data, infrastructure, and human-machine teaming). End-points, data connection and ecosystem (considering civil-military needs) are cybersecure thanks to the enhancement of information security such as, but not limited to, strong identification, authentication and integrity. Post-quantum cryptography (PQC) algorithms [2] should be considered where appropriate. Research shall consider the on-going work by ICAO on the international aviation trust framework (IATF), which aims at developing standards and harmonised procedures for a digitally seamless sky and dependable information exchange between all parties. The continuous optimisation of every flight/mission from gate to gate is systematically guaranteed thanks to high connectivity between air-ground and ground-ground components. The human operator is performing only the tasks that are too complex for automation to handle, teaming up with automation (see automation roadmap of the Master Plan and detailed R&I needs below). Voice communication is no longer the primary way of communicating and most routine tasks should be managed through machine-to-machine applications. To enable TBO Phase 3 in a highly automated ATM environment in accordance with the TBO and automation roadmaps in the ATM MP (see detailed R&I needs below). Specific minimum requirements for this topic: Consortia for this topic shall include: At least three ANSPs. Either an established ATS system manufacturer or provide evidence that the consortium has the

operational and technical capability to build the ATS system prototypes required for the research at the required maturity level. The proposed target architecture shall be aligned with the service delivery model outlined in the Master Plan for a typical ACC. Detailed R&I needs to enable TBO phase3: The following list of detailed R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. For completing TRL6, proposals may need to consider the execution of integrated validation activities involving the output of one or more projects in WA1 and/or WA5. Proposals shall describe these activities in separate work package(s) and identify associated risks in case the other project(s) are not finally awarded. ATC TBO contribution to TBO concept development At European level, this element covers the contribution to the European TBO concept of operations (developed by WA 1), including the ATC TBO aspects and ATC human-machine teaming automation concepts. At global level, this element covers the international coordination, including in particular supporting the ATC TBO related activities of the ICAO ATMPP and ICAO ATMOPS panels. Automated downstream ATC clearance via ATS B2 CPDLC in en-route. This element covers the uplink, via ATS B2, of a revised 2D trajectory where the point of divergence from the current trajectory is beyond the sector where the aircraft currently is. The request for the clearance to be sent to the aircraft will come from a downstream ATC sector in the same ATSU or from a downstream ATSU. In the cross-ATSU-border case, the uplink will be done from the current ATSU (i.e. the current ATSU is relaying the clearance on behalf of the downstream ATSU) [3] . The target concept is for this uplink to be done automatically by the ATC systems without the intervention of the human operator currently controlling the flight or even his/her awareness (automation level 4) but in a first step a lower level of automation may be considered. The uplinked trajectory must either connect to the original trajectory in a downstream point or provide a new route all the way to the destination airport. Note the trajectory of the aircraft does not change the trajectory in the current sector. This element may require the ATSU systems to be able to uplink clearances beyond their usual area of interest, potentially all the way to a distant destination airport. The correct implementation in the FMS active plan of the uplinked 2D trajectory will be verified by comparing it to the ADS-C EPP. The comparison must consider the whole portion of the revised trajectory, including the part that is beyond the area of responsibility of the current ANSP. Operational issues with FANS 1/A downstream clearances in oceanic airspace have been raised at the ICAO ATM operational panel (ATMOPS) (e.g., with aircraft incorrectly loading the new route in the FMS (skipping points)). The research element also covers the mitigation of the risk for similar operational issues with ATS B2 (e.g., based on conformance monitoring against the EPP) and coordinate with the SESAR 3 JU to liaise with the ICAO ATMOPS panel if needed. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). For the cross-ATSU-border case, the research should validate the case where two ATSUs have systems from different vendors. Use of CPDLC v2/v4 in the TMA and extended TMA. This research element covers the development of the ATC ground systems and flight-deck (HMI, potentially including digital assistants, and avionics, including extension of push-to-load capabilities if needed), in support of the extension of the use of CPDLC to the lower airspace (below the current mandate, addressing in particular below FL245) to allow the uplink and push-to-load of ATC clearances in the extended TMA and TMA (including approach) for a closed lateral trajectory revision (for separation and/or to accommodate path extension/path shortening), speed instructions, altitude clearances and clearance for approach. Speed instructions will be generated by the ground system (e.g. based on ML algorithms based on the SESAR optimised runway delivery tool). The expected automation level may vary between 2 and 4 depending on the environment and conditions (e.g., night traffic, low density) and the type of instructions (i.e., 2-4 for speed instructions, 2 for lateral clearances). This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Automatic cross-border STAR ATC clearance uplink service. This research element aims at anticipating the STAR clearance and the delivery of expected runway and approach procedure information to the flight deck. The TMA will first check the STAR and expected runway and approach procedure in the EPP (received through G/G coordination) against the STAR that is allocated in the system. In case of discrepancy the arrival TMA ATSU will directly uplink the STAR clearance and runway and approach procedure information over CPDLC to the aircraft (if the ATSU in communication with the aircraft) or send a request to the adjacent upstream ATSU with a request for the correct STAR clearance and to be uplinked. The automatic STAR clearance will only include a clearance to follow the 2D STAR until the clearance limit. For clearances for descent to be delivered by the upstream ATSU, the usual cross-border coordination procedures will apply. For the cross-ATSU-border case, the research should validate the case where two ATSUs have systems from different vendors. The research may also cover the uplink of the STAR by an ATSU that does not have a common border with the arrival TMA. In this case, the message from the arrival TMA requesting the uplink may be sent directly to the ATSU or via NM. The target concept is for the uplink of STAR to be done at any time and as early as possible, e.g. even when the flight is still on the ground at the departure airport. The information on the STAR and request to uplink and confirmation that the uplink has taken place will be done using ED-254 messages over SWIM. Note there is a synergy between this element and the ongoing work on dynamic arrival route structures in ongoing project GALAAD, as the automatic uplink of STAR could support the implementation of GALAAD's concept. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). ANSP-triggered network impact assessment. The research element addresses the development of capabilities that allow the ATC ground system to probe in real-time what the impact on the network would be of an ATC clearance that deviated from the agreed

trajectory as per the eFPL. It is a support feature that does not deliver clearances but supports the ATC system in the clearance delivery process. This is an extension of the NM network impact assessment (NIA) B2B service, which is already in place today to allow ANSPs to trigger a network impact assessment for a re-routing proposal (RRP) within a pre-defined RRP catalogue. This element allows the same to be done for any RRP (not necessarily pre-defined) and for vertical changes: In the vertical domain, the concept applies when ATC receives a request for a cruising flight level that is different from the flight plan cruising level, or when the planned cruising flight level is not available (due to it being occupied by another aircraft in separation conflict) and ATC has a choice to clear the aircraft to at least two other flight levels (typically the one above or the one below). This will be integrated in the overall conflict detection and resolution processes. The concept may also be useful for ATC to probe before providing a direct routing (DCT) clearance that significantly shortens the flight time (e.g., over three minutes). This use case is expected to be of less interest than the vertical change use case, because DCT clearances that shorten the flight time significantly enough to make the network impact assessment worthwhile are rare (because there is a very low probability that such small changes will have a DCB impact downstream). The exception may be, for example, in case of an early release of an airspace reservation that allows a DCT that saves a significant amount of track miles. Research may address more advanced what-else capabilities for pre-defined scenarios (evolution of current NIA) or for more general use cases (ANSP-triggered network impact assessment). This element would benefit from NM-ANSP integrated validation activities addressing the full process from the NM side (covered in WA 1) and ANSP side (covered in WA 3).

Enhanced ATC vertical clearances with intermediate constraints When an aircraft needs to climb or descend in busy airspace, there will often be separation conflicts along the way. ATC often manages this by providing a clearance for climb/descent to an intermediate level, and later reassessing the separation conflicts before issuing a new clearance. With the EPP, ATC gets a better idea of what the climb or descent profile of a specific aircraft will be. This reduces the uncertainty but there is no guarantee that the aircraft will execute the trajectory as predicted by the EPP. When the predicted separation with other aircraft is close to the minimum 5NM/1000 ft., it is necessary to ensure it will be respected. This concept allows ATC to uplink an ATS B2 clearance climb/descent clearance with one or more constraints to cross certain intermediate waypoints at or above, at or below or precise at a certain level or between two specified levels. The concept expands the use of vertical clearances to the more complex use cases, i.e. beyond the clearance to start descent at the FMS TOD or climb to reach cruising altitude at the FMS TOC. The element covers the ground and airborne aspects, including further development of on-board procedures and avionics to for improved management of vertical constraint. The research should investigate both manual and push-to-load clearances, noting that the target concept is that all vertical clearances are push-to-load, but as an interim concept some complex vertical clearances with intermediate constraints may be loadable only manually (due to limitations of the ATS B2 standard). On the ground side, the correct loading of the vertical clearance on the FMS should be verified through the ADS-C data, potentially with different time-outs for clearances that are push-to-load and those that are initially loadable in the FMS only via manual input from the flight crew. The research considers ATS B2 Revision A or above. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5).

Leveraging ATS B2 in support of increased automation levels Research aims at exploiting ATS B2 capabilities to support increased automation levels in en-route and TMA environments, including, for example: The automatic uplink of AMAN-generated speed advisories, e.g. translate TTL/TTG or AMAN planned times into speed advisories and their automatic uplink to the aircraft. The provision of tactical separation assurance (i.e., separation management activities when aircraft is in the AoR) leveraging ATS-B2 beyond what it is covered by the strategic deployment objective SDO #5. This includes the identification of potential conflicts in the AoR, the automatic selection of resolutions considering also downstream constraints, and the facilitation of all required coordination with upstream and downstream sectors. The research may include Human-AI teaming concepts, including the development of new HMI features to streamline the human operator planning activities. The scope also includes the provision of planning separation assurance when aircraft are already within the Area of Interest (AoI), extending the AoI up to 30 minutes before the Area of Responsibility (AoR). This research focuses on automated conflict identification, resolution selection, and transparent coordination, as well as traffic expedition and environmental optimisation during the execution phase. The research may include Human-AI teaming concepts. The automatic identification of potential conflicts before the aircraft is in the AoR, the automatic selection of potential resolutions considering also downstream constraints, and the transparent coordination among impacted sectors and the provision of downstream clearances to solve the conflict before the aircraft enters in the AoR. The research may include Human-AI teaming concepts. The use of CPDLC v2 clearances without ATCO validation (e.g., delivering downstream clearances without current sector validation (e.g., speed instructions for XMAN, @D route revision, speed optimisation (ATS B2 Rev A and Rev B), the automatic uplink of AMAN-derived speed constraints, etc.). The delivery of speed advisories (note that an advisory is not a clearance) to aircraft not currently within control of the ACC applying the speed advisories, e.g. for XMAN purposes. “Silent” radio, where the pilot does not call if between sectors based on ATS B2 Rev B downlink of the selected VHF frequency. This may include an interim concept based on ATS B2 Rev A, which includes the automatic silent transfer on the ATC side under certain conditions, but the pilot still calls between sectors. The objective is to reduce the need of check-in radio calls every time the flight is transferred to a new sector within an ATSU or to another ATSU. Automatic uplink of speed constraints to succeeding aircraft in the cruise phase: the system automatically calculates and uplinks Mach number constraints for aircraft that will fly on the same route over a long period of time to avoid catch-up situations. The system should calculate the speed constraints to minimise overall fuel burn considering equity principles to not systematically penalise aircraft with a lower fuel consumption. Automatic

uplink of Mach number or indicated airspeed (IAS) constraints to aircraft descending on the same route to ensure the separation gap be maintained during the descent, thereby reducing the need for intermediate vertical constraints in the descent. Note that many FMS versions do not manage speed constraints when defined as a Mach. A "constant Mach segment" feature exists in most FMS, allowing to fly at a constant Mach in cruise between 2 specified waypoints, but this does not exist for Descent (only IAS constraints are managed). However, aircraft with such limitation for flying Mach number constraints with the FMS can still execute such instructions using FCU/MCP. Note that there is on-going work under projects ATC-TBO and JARVIS. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). For elements requiring cross-ATSU-border coordination, the research should validate the case where two ATSUs have systems from different vendors. Highly automated ATC In this concept ATS B2-equipped flights are never in contact with a human operator via either voice or CPDLC based while the traffic situation remains within a pre-defined scope, using either a general or a selective approach; In both the general and selective approaches, there is no human operator directly monitoring the system actions; when an aircraft is controlled by the system they will be instructed to monitor a frequency, but the flight crew requests should come via CPDLC and will not be directly processed by a human operator unless the ground system requests human supervision (in accordance with level 4 the automation roadmap): In a general approach, all aircraft in a sector or group of sectors are controlled by the system so long as the scenario remains in its pre-defined scope, e.g. the defined scope may require that all aircraft in the scenario having a specific equipage and being separated from each other by either 1000 ft (vertically) or XX NM (laterally) and may exclude specific traffic flows. Whenever the pre-defined scope conditions cease to be true for all aircraft, e.g. one non-equipped aircraft entering the sector or two aircraft get closer than 1000 ft or XX NM, then the system will request the human operator to take charge of the whole scenario, i.e. the human operator relieves the ATC system. In a selective approach, the human operator and the ATC system work together within the same sector or group of sectors, so that the ATC system is in charge of controlling the aircraft that fulfil the conditions within a pre-defined scope. This concept builds on the SESAR attention guidance "fade-out algorithm" solution (PJ.10-W2-96 AG), taking it a step further: the selected aircraft are not just faded-out, but completely under the control of the system. When an individual aircraft ceases to fulfil the pre-defined scope conditions, the system will request the human operator to take the individual aircraft under control, while the system continues to control the aircraft that are still in the pre-defined scope. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5).

ANSP contribution to and use of network trajectory service This research element covers: Definition and validation of new updates from ANSPs to NM via FSA. Reception by ANSP systems of NM trajectory and its integration in the trajectory used by local ATFM unit systems and/or the trajectory used by the AMAN. .

Unconstrained desired trajectory (UDT) All TBO actors should aim at continuously optimising the trajectory. The objective of the UDT is to provide a means for the completely unconstrained trajectory desired by the AU to always be available as a reference to ATM. This research element covers: The use of the UDT by the local ATFM units to improve the efficiency of the flight in planning and execution. The use of the UDT during the execution of the flight by ATC to facilitate the continuous and precise optimisation of all trajectories. Note that the provision of ATC clearances that are not consistent with a current RAD measure or a LoA with an impact on a downstream ATSU will always require coordination with the relevant actors (cross-border if only one downstream ATSU is affected, or via an ANSP-triggered network impact assessment if the change affects more than one downstream ATSU). If a network impact assessment is required, the ATC system should trigger it automatically. In addition to supporting continuous optimisation concepts, the UDT is useful for post-operations performance assessment purposes. The development of performance metrics for assessing flight efficiency based on UDT is also in scope. This is a support feature that does not deliver clearances but supports ATC in the clearance delivery process. Requires participation of NM, ANSPs and FOC. This element would benefit from integrated validations including the NM and FOC prototypes (covered in WA 1) and the ANSP prototypes (covered in WA 3).

FF-ICE/R2 precursor for the revision of the agreed trajectory in strategic execution This research element covers the ANSP contribution to the FF-ICE/R2 precursor for the revision of the agreed trajectory in strategic execution: Coordination between the local ATFM units and NM during the CDM process to agree to the revision (if the process developed by WA 1 project so requires). Once of the CDM process is completed, reception by ANSPs of the revised trajectory. Delivery by ATC systems of the clearance for the revision of a 2D trajectory (if the process developed by WA 1 project so requires). Monitoring of the consistency of the air and ground trajectories for ADS-C equipped aircraft, potentially with a specific process with aircraft with a flight plan that has been revised in execution (e.g. with a version number 2 or more if the flight plan version number is applied). This element would benefit from integrated validation covering the network aspects (covered in WA 1) and the ANSP aspects (covered in WA 3). If the clearance is delivered by ATC systems, the validation must include live trials or integrated simulations with airborne prototypes and ATC system prototypes.

Improved management of military flights The objective of this element is to improve the handling of military missions and to reduce their impact on civilian traffic. This requires the development of ANSP local ATFM platforms to support improved CDM processes based on iOAT and later military FF-ICE flight plan, and the integration in ATC platforms of the advanced military flight plan formats. The development of ATC automation for improving the quality of service to military flights and for reducing the impact of military flights on civilian traffic is also in scope. Advanced target time of arrival (TTA) coordination for out-of-area departures The research element addresses the evolution of TTA management process in solution PJ.25-02 "Target Time of Arrival (TTA) management for seamless integration of out-of-area arrival flights", which aims at avoiding many long to medium-haul flights arriving at the same time and having to hold. This

may include, for example: A concept where the departure times would now be sent to the (out-of-area) departure ASP in addition to the FOC, so that the departure ASP can support adherence to the target take-off time. Improvements to the algorithms use for the allocation of TTAs to long-hauls. An increase in the level of automation of the processes. This element would benefit from integrated validations with WA 1. Mission Trajectory with dynamic mobile areas (DMA) type 3 The research area covers the development and validation of the application of dynamic and mobile airspace segregation, the dynamic mobile area type 3 concept element of advanced flexible use of airspace (AFUA) as integral part of mission trajectory management processes throughout the trajectory planning and execution phases. Detailed R&I needs in support of the reduction of the climate impact of aviation: Network-orchestrated avoidance of eco-sensitive areas While it is expected that ATM can facilitate voluntary contrail avoidance in low traffic-density situations, in medium or high traffic-density situations it is expected that a coordinated approach will be required. The objective is to develop a concept for the integration of contrail avoidance processes in existing DCB processes, but also addressing when required (e.g., long-haul flights) strategic or tactical contrail avoidance (in the execution phase, via FF-ICE/R2 if strategic or directly with ATC if tactical). Research should determine the criteria for the declaration of an ECO-area or ECO-spot, defined as a volume of airspace that is considered to be eco-sensitive from the non-CO₂ perspective, for example because warming contrails are predicted during a period of time. The prediction can use satellite imagery, ground cameras, LIDAR (see WA 2-1, aircraft as a sensor). The operational concept must consider the uncertainty in the prediction of contrails and its impact on the achievement of the performance objectives. NM would then incorporate this information in its systems to regulate traffic through the eco-area. This could mean to completely close the airspace volume to air traffic or to simply reduce the flow of traffic. The contrail avoidance process needs to be integrated in existing DCB processes, together with other constraints considering the local / network DCB levels. The process will also consider the options for ATC/NM to respond to airline-led (AUs to be encouraged by mandates to minimise climate impact) or for ANSP-lead contrail avoidance. Research also includes the need for improved weather forecasting/prediction and climate impact assessment. As it is known that different types of fuel have different impacts on contrail formation, the type of fuel (e.g., particulate matter content of conventional fuels, SAF blend, etc.) of a flight might determine whether or not they are authorized to fly through the eco-area. In this case, a field with the type of fuel may need to be added to the FF-ICE flight plan. Other parameters such as aircraft type and engine type have also impact on non-CO₂ impacts, and the FF-ICE flight plan may also to be updated to include the required technical parameters. The incorporation of non-CO₂ -relevant aspects in the flight plan should be done in an automated way. A process for estimating the fuel blend of each individual flight based on the re-fuel history of the tail number may need to be developed. Flights that are not authorised to fly through an eco-area will be offered a vertical or horizontal re-route, and/or a delay if the eco-area is expected to go cold in a relatively short time. The re-route and/or delay will be sent as a reply to the filing of the FF-ICE flight plan, together with information on the parameters of the eco-area (location, time, and category (e.g., all traffic forbidden, limited traffic allowed, only specific SAF traffic allowed, etc.)). Flights traversing ECO sensitive areas could be assigned a (to be developed) "eco-sensitivity index" and after evaluating trade-offs between reducing the non-CO₂ effects and potentially increasing the CO₂ effects (fuel burn and flight time) through flight rerouting, a "mitigation index" could be estimated and quantified. Flight planning software may need to be updated to incorporate non-CO₂ mitigation actions. Research should focus on acting on the highly climate warming areas or flights (individual flights that have a net CO₂

- non-CO₂) as well as in flows which will require different considerations than individual flights and which are the basis for NM. The transition from the current fuel-based criteria for green trajectory optimization to a holistic assessment that includes both CO₂ and non-CO₂ environmental impacts should be addressed. The research element further assesses the roles and responsibilities of various stakeholders throughout the contrail process, from planning to execution, considering how local initiatives can integrate into network management assessments, when and how to integrate them. The development of ATC support tools is also in scope. Note that there is on-going work under projects CONCERTO and CICONIA (i.e., accuracy of the weather/climate prediction models (e.g., ECO area/spot prediction and management of avoidance trajectories on both AUs and ATC sides)) on this topic should be considered. Automatic queue management and dynamic E-TMA for advanced optimised climb and descent operations and improved arrival and departure operations Research aims at improving descent and climb profiles in busy airspace, as well as the horizontal flight efficiency of arrivals and departures, while at the same time ensuring better traffic synchronisation, short-term demand capacity balancing (DCB) and separation in TMA/E-TMA environment. Research may address aspects such as: automatic arrival streaming in systemised airspace, automatic and dynamic distribution of traffic across offload arrival and departure routes at periods of peak demand, leveraging ATS-B2 (via CPDLC messages) in supporting less constrained descents (e.g., by automatically providing speed constraints to aircraft descending on the same route, e.g. following the approach proposed by SESAR project OPTA-IN), AI-based what-if capabilities, automation of extended ATC planner tasks, etc. Research shall consider the work performed by SESAR 2020 SESAR solutions PJ.01-W2-08A1, PJ.01-W2-08B1 and PJ.01-W2-08B4 (including recommendations documented in the relevant contextual notes) and demonstrate how the limitations from the previous approach will be addressed). This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Dynamic allocation and uplink of arrival and departure routes considering CO₂, noise and local air quality In contrast to today's one-size-fits-all approach to noise abatement departure procedures

(NADP), SIDs and STARs, the future ATM system will dynamically allocate departure and arrival routes to each individual aircraft. This should initially be based on the development of a much larger catalogue of route structures (including SIDs and STARs) compared to what exists today. These route structures can be activated or deactivated depending, for example, on the time of day, for noise control purposes, or depending on traffic demand, so that the use of more complex route structures is avoided during periods of low demand, enabling agile responses to variations of operational conditions in the terminal area such as traffic density, airspace availability or environmental constraints. The dynamic use of RNP route structures will allow trade-offs and optimisation of benefits depending on traffic demand (e.g., improved capacity during peak periods, fuel-efficient operations during off-peaks, reduced noise footprint at night) in the TMA. Research will determine how the allocated routes will be passed on to the aircraft; it is expected that whenever possible this will be in the form of a clearance, but in some cases, it may be necessary to provide the new route as an “EXPECT” instruction for the aircraft to plan against, with the clearance being delivered at a later stage. Uplink of information expected delay or distance to go (DTG) is also under scope. Arrival Manager (AMAN) system with enhanced functionalities as needed, is expected to support the dynamic assignment of the optimal and most eco-efficient RNP route structures, depending on metrics such as predicted arrival airborne delay. This research element addresses the end-to-end concept, including cross-border aspects and the uplink of the delivery of the STAR clearance to each aircraft. The target concept is for the clearance to be delivered automatically via CPDLC and is loadable in the FMS with a push-to-load action from the flight crew. The research should also develop the required on-board capabilities to support the crew in his/her decision for proposed trajectory acceptance. The research element also addresses departure routes too, which can be delivered as part of the departure clearance. If allowable at the aerodrome, the departure route can be updated during the taxi phase because flight-deck automation will allow the use of CPDLC and push-to-load during the taxi phase. Runway management and departure route allocation will incorporate tailored noise abatement departure procedures accounting for the individual aircraft climb performance transmitted via the ADS-C EPP. Weather prediction will be used in real time to predict the circulation of emitted particulate matter around the airport and considered as an input to runway, departure, and arrival route allocation to maximise local air quality (LAQ). Note that there is on-going work on TMA route allocation by projects GALAAD and DYN-MARS. This research element also includes the definition of new NADP concepts and a combined SID and NADP allocation concept that will be based on the optimisation of environmental impact functions that consider potential trade-offs between local capacity, LAQ, noise impacts in the area around the airport and impact on the climate at global level. It is anticipated there will be an initial concept in which the SID scheme is established in advance depending on the MET prediction, for example 4 hours in advance, and published so that AU can consider it in their flight-plan. In the longer term, the allocation will be done on a case-by-case basis and more dynamically (up to just before the aircraft leaves the gate). This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Advanced curved approach and departure operations in the TMA Using curved flight trajectories in the approach phase of medium/high complexity TMAs based on barometric altitude optimises flight efficiency and lowers gaseous emissions and noise whilst maintaining runway throughput, thanks to a shortened lateral path and more efficient vertical path by using advanced PBN specifications (e.g., advanced RNP and RNP APCH) considering the aircraft performance and capabilities. It also provides a means to comply with increasing environmental constraints at TMAs. The scope covers spacing considerations for curved / RNP APCH and straight-in approaches. Research shall consider the work done by SESAR solution PJ.02-W2-04.1 “advanced curved approach operation in the TMA with the use of barometric altitude”. The scope also covers the development of advanced curved departure operations, which consist of initiating the first turn as soon as departing aircraft cross the departure runway end (DER) based on GNSS navigation (increasing the flexibility in departure procedure design) and using existing airborne capabilities to greatest extent possible. This has a positive impact on gaseous emissions, noise of TMA operations and flight efficiency. Research shall consider the work done by SESAR solution PJ.02-W2-04.2 “advanced curved departure operations in the TMA”. This element may benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Flexible eco-efficient ATC clearances When specific conditions are met, typically low traffic conditions, ATC may issue flexible clearances. The targeted flexibility may include free lateral or vertical route deviation (without the need to require a new route clearance) for flight optimisation purposes, so that aircraft can, for example, be cleared to cruise between two flight levels or be allowed the freedom to deviate horizontally within a certain area, allowing more effective use of favourable winds. This concept requires the adaptation of the ATC system. This may require support tools for the flight crew to facilitate the request. For flexible eco-efficient clearances to be issued by CPDLC, the ATS B2 standard would need to be modified to include them. In low traffic conditions, voice could be used instead as an interim concept. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Dynamic separation minima This research element extends the dynamic pairwise separation minima for approach and landing to en-route and TMA, based on predictive modelling and ML techniques and enabled by further automation and improved connectivity with the objective of increasing airspace capacity and hence improving flight efficiency. The objective is to develop new geometry-dependent pair-wise separation minima in en-route and TMA. It may address vertical and/or horizontal separation minima and/or a combination of both (e.g., separation must be above XX NM and 500

ft.). The separation minima to be developed include both minimum radar separation (MRS), which aims to keep the risk of collision sufficiently low to meet the target level of safety (TLS), and minimum wake separation (MWS), which aims to keep the risk of wake encounter sufficiently low to meet the TLS and potentially provide safety benefits. The separation to be applied in operations will always be the maximum of the applicable MRS and MWS. The operational improvement will also require combined separation minima and consideration of flight-specific data. Research must consider the safety aspects related to wake vortex. Note there is previous research in the area in project R-WAKE, and that there is a potential dependency between the reduction of vertical separation minima and geometric altimetry, covered by WA 5-3. There is ongoing research on geometric altimetry in GREEN GEAR. En-route and TMA digital environmental performance dashboards The aim is not only to provide visibility of environmental metrics but also to support their progressive integration into the decision-making process at strategic, pre-tactical and tactical levels, including the consideration of trade-offs with other performance indicators. The enhanced environmental performance dashboards are expected to incorporate existing metrics and expand the environmental impact assessment toolbox by developing novel metrics to provide a more complete picture of the impact of aviation on the environment than is possible today. This may address, for example: Support for the inclusion of environmental criteria (noise, CO₂ and non-CO₂) for the management of runway use. Development of energy-based metrics, which allow the comparison of the impact on different ATM actions using a score that is independent of the propulsion system / fuel type of each of the individual aircraft. This will become an essential metric as the evolution of the fleet mix makes the classic comparison of overall fuel burn or CO₂ emissions obsolete. Enhancement of the current optimised descent operations (ODO) / optimised climb operations (OCO) monitoring to include complementary metrics that capture the inefficiencies caused by early descent (time from top of descent (TOD) to landing, difference between actual and extended projected profile (EPP) TOD, machine learning (ML)-based metrics that provide an energy-based score of the efficiency of the descent, etc.). Monitoring of the inefficiencies caused by aircraft cruising below their optimum flight level. This will require the development of a system to allow the AU to provide the desired flight level from each flight (e.g., through the unconstrained desired trajectory (UDT) or through alternative means). Development of advanced horizontal efficiency metrics that factor out the extra miles (KEA - key performance environment indicator based on actual trajectory) flown when avoiding active military areas that are in use but count as inefficiency the extra miles that are flown around military areas that are not in use. Special attention should be paid to reinforcing coordination between TMA and airport regarding environmental performance, ensuring that environmental performance dashboards make visible trade-offs between different environmental impacts (e.g., fuel, noise in TMA, climate change), and between environmental impacts and other performance indicators (capacity). The information from the environmental dashboards that is relevant to the public and hence the research should include a study on how to best make relevant data available to all European citizens. Dynamic airspace in wider context of advanced DCB and digital INAP Dynamic airspace in wider context of advanced DCB and digital INAP enables a near real-time configuration of the airspace with human operators and systems teaming up to meet the needs of all airspace users (civil and military) and to manage capacity more efficiently. For certain sub-operational environments, the system will be fully automated and able to handle both nominal and non-nominal situations. The process configuration, which today is designed to minimise complexity for human operators, will become more dynamic and, where applicable, near real-time. Research may consider the integration between dynamic airspace configurations, virtual centre and increased flexibility of ATCO validations. Topics can combine ATS delegation aspects (e.g., inter/intra ANSP and inter/intra providers) including solutions such as increased flexibility of ATCO validations and virtual centre, which are expected to complete TRL6 in project IFAV3, VITACY, iSNAP and ISLAND. Operational use of VHF LEO in European outermost regions This element covers the development and validation of the operational use of LEO VHF voice and datalink in remote areas, where currently VHF voice and VDLM2 is insufficient. In combination with space-based ADS-B, the availability of this new CNS service will make it possible to upgrade the ATM service, allowing a reduction of separation minima and hence increased capacity and reduced environmental footprint. Note this element develops the operational use of the CNS technologies developed by ongoing SESAR project ECHOES. This element must address the relevant regulatory aspects. Increased security virtual centres and aeronautical data service providers (ADSP) against cyber-threats In the context of ADSP and virtual centres, which may utilise private or public clouds for hosting their systems, it becomes essential to design these systems with adaptability to cyber threats in mind. In anticipation of predicted cyber threats, these systems should be capable of, for example, dynamically reconfiguring their connections, and physically relocating hosting hardware in reaction to cyber-attacks. Consequently, the development of these systems must prioritize adaptability to cybersecurity threats through specific design requirements. Such systems should be able to perform tasks such as the following: To identify active threats and threat scenarios in real-time. To predict the potential means of evolution of threat scenarios in real-time. To adapt in response to threat scenarios. To recover to restore full operations. [1] In order to avoid content duplication, wake retrieval energy (WER) description is provided in the topic WA5-3, which is addressing the development action IR-5-04 [2] <https://digital-strategy.ec.europa.eu/en/library/recommendation-coordinated-implementation-roadmap-transition-post-quantum-cryptography> . [3] In the cross-ATSU-border case, for the downstream clearance to be uplinked directly by the downstream ATSU, the aircraft would have to have two active CPDLC connections (one to the current ATSU and another one to the downstream ATSU). The SESAR concept does not consider the double active

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20% 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . All applicants who have submitted proposals under this topic will be invited to participate in a hearing as described in subsection 2.4 of the BAWP 2024-2025. The purpose of these hearings will be to:
5. clarify specific elements of the proposals and provide the necessary clarifications to allow the evaluation committee to establish its final assessment and scores, or
6. enhance the evaluation committee's understanding of the proposals to ensure a thorough and accurate evaluation. The evaluation committee will integrate the information gathered during the hearing into the overall assessment, which may affect the final score in areas where clarification was necessary. The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
7. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant

results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Transition towards high performance of air-ground connectivity (multilink)

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA2-1

Summary : Transition towards high performance of air-ground connectivity (multilink) **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Description

Expected Outcome: To significantly advance the following development actions: IR-2-01: Complete development of successor(s) to VHF datalink mode 2 (VDL2): L-band digital aeronautical communications system (LDACS), hyper-connected ATM, and satellite communications covering civil-military dual use. IR-2-02: Aircraft as a sensor, including transmission of humidity information to ground, etc. This includes advancing the capabilities of the following systems: Airborne systems: aircraft sensors. Air-ground systems: air-ground communication links. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Hyper Connected ATM Research aims at completing the delivery of hyper-connectivity solutions that allow the use of non-safety-approved commercial public air-ground communication links and networks (e.g., 5G mobile networks, commercial Ku/Ka-band satellite communication, etc.) as a complement to legacy safety links, whilst meeting the required safety, security, and performance standards for safety-related air-ground communications. The proposed solution will leverage state of the art “at hand” commercial radio infrastructure already deployed to serve in-flight connectivity for passengers, use them ‘as they are,’ and aim at enhancing some end-to-end cockpit communications general performance (e.g., bandwidth, latency, etc.) in nominal conditions. Research shall consider an interim precursor scenario integrating the hyper connected ATM concept into the existing environments (ACARS and ATN/OSI), but also a target scenario considering the full integration of the hyper connected concept within an ATN/IPS environment and the future communication infrastructure (FCI). To complete TRL6, research activities shall consider the execution of live flight trials involving test aircraft with on-board pre-industrial prototypes. These live flight trials can be performed in Europe and may be extended across continents for addressing global interoperability aspects. Research shall address the alignment with European Space Agency (ESA) Iris programme research initiatives, which are addressing the use of Ka band satellite technologies for safety critical communication. Note that work on this research element is on-going under project FCDI SESAR solution 0339 “Hyper Connected ATM Precursor” and SESAR solution 0340 “FCI Services - IPS Enhancements”. The hyperconnected ATM concept is based on the use of public networks for aviation safety-critical data traffic. As safety-critical data traffic increases, VDL2 may not have the capability to back-up the whole safety-critical data traffic, which increases the need for multilink, including making use of non-aviation networks. Hyperconnected ATM is a set of mechanisms that allows making use of both safety and non-safety links (e.g., AOC data could go over non-safety critical links). Research shall consider situations in the safety and security cases such as avoid single point of failure for two different communication providers (that may have back-up contracts between them), or simultaneous failure of the services of all satellite communications due to atmospheric phenomena or cyber-attack, etc. Since hyperconnected ATM uses public networks, research shall consider advanced techniques and approaches to enhance cybersecurity to address new attack models/vectors that may stem from the new scenario. Also, research shall address potential conflicts with spectrum frequency allocation. Research should also investigate applicability to HAO. Complete the development of digital voice CONOPS and technical capability The research area addresses the development of the technical capability to exchange digital voice services. Digital voice is foreseen to replace VHF radio completely in the long term in all operational environments: continental (en-route (flight-centric or with geographic sectors, continental high and low density), TMA and tower (TWR), including ground and platform control) and oceanic. The proposed technical solutions should be configurable to support both party line and point-to-point ATS-pilot communication. The research’s initial step will consist of describing the applicable operational use-cases for digital voice (i.e., CONOPS). The research area covers the development of the digital voice capability for L-band Digital Aeronautical Communications System (L-DACS), Satcom and hyper connected ATM solution. Besides interoperability, RF spectrum supportability needs to be addressed with military systems including military systems providing service to civil aircraft. To complete TRL6, research activities shall consider the execution of live flight trials involving test aircraft with on-board pre-industrial prototypes. These live flight trials can be performed in Europe and may be extended across continents for addressing global interoperability aspects. On L-DACS digital voice capability, research shall consider the work done under SESAR solution PJ.33-W3-02 “L-DACS digital voice capability”, which achieved TRL4 in SESAR 2020. Aircraft as a sensor Research aims at improving flight safety and efficiency by enriching usual MET information sources with MET data from on-board sensors (e.g., icing, hail, turbulence, wind, humidity sensors and temperature) provided via data link services. The service could be then consumed by ground systems (e.g., trajectory predictors) in real time. This will also deliver environmental benefits by reducing CO₂ and non-CO₂ emissions (e.g., high precision humidity sensors/data are an essential ingredient for precision of contrails prediction models, and consequently for mitigation of contrails formation). Research areas may include very short-range weather forecasts based on aircraft meteorological data relay (AMDAR) and observational data assimilation (e.g., predicted wind, wind shear, etc.) during the approach and landing phases, Mode-S EHS, new possibilities emerging from ADS-C, etc., and their distribution to ground, additional enabling sensors for non-CO₂ emissions (e.g., lidars, etc.). In

addition to information from onboard sensors, pilots receive updates in various formats via datalink including simple text messages, graphical products, and satellite images. These inputs cover different timeframes, ranging from past observations to predictions for the next several hours. It falls to the pilot to organise and geo-reference these data, and temporarily build a mental picture as fast as possible. Research shall address innovative solutions to support intelligent data pre-processing, smart filtering, and integration and fusion, both on ground and on board the aircraft for the two-way exchange of data collected by the vehicle's own sensors as well as satellite based and terrestrial navigation (e.g., exploiting multi-constellation double frequency GNSS), surveillance and weather systems. The research shall consider the novel avionics and flight crew procedures required to use this information. Downlink and uplink of weather parameters (pressure, temperature, wind speed and direction), turbulence, space weather, icing considerations and contrail related information (e.g., air humidity) shall be addressed. The research will contribute to EUROCAE WG-76 and RTCA SC-206 MET datalink standardisation, and ICAO is also developing standards for turbulence and space weather which could be downlinked or uplinked via a SWIM purple profile service. Research shall consider the work done under solution PJ.14-W2-110 "Aircraft as an AIM/MET sensor and consumer". The research scope also covers the development of aircraft-centric sensing technologies able to detect obstacles on or near the runway or potential runway incursions during take-off and landing operations, including enhanced traffic surveillance technologies able to mitigate low ADS-B updates rates from aircraft on ground, or pilot aids for prediction of other-aircraft intent based on traffic movement monitoring and recognition of ATC voice and future datalink-based clearances. Research may also include the transmission of the runway condition code (RWYCC) (partially delivered under SESAR2020 PJ.02), both for air and ground sub elements. Among the research elements, further works on air-ground synchronization is required (e.g., downlink and integration of on-board braking action computation system (OBACS) data). This research may also cover the development of innovative LIDAR-based ATM applications. Pitot-static systems, which are traditionally used by flight avionics as air-data technology, present limitations related to failure modes, environmental sensitivity, etc. Research aims at developing LIDAR based solutions that, applying a different approach (based on optical means), meet or exceed the performance of traditional pitot-static systems, overcome the limitations mentioned above and support requirements for all weather and all flight phases. The available technologies/procedures that help the pilots recognising the presence and severity of icing conditions (e.g., weather forecast, operational procedures, etc.) are limited and they are not able to assess the severity of icing conditions. Research aims at developing LIDAR based sensors able to detect the particles present in the vicinity of the aircraft, identify their type (e.g., ice, volcanic ash, sand, dust, etc.), measure their size distribution and mass concentration in the air and quantify the severity of icing conditions. These solutions aim at improving safety. In addition, downloading more accurate air data information from the aircraft will also improve weather models and non-CO₂ models resulting in efficiency and environmental benefits. The development of the services to aggregate the data downlinked from the aircraft, its fusion with data from ground sensors (e.g., LIDAR, ground cameras, etc.) and the distribution of the associated improved predictions (e.g., climate MET services) and corresponding business models is also in scope. Specific minimum requirements for this topic: Proposals addressing Hyper Connected ATM and digital voice capability must aim at completed delivery at TRL6, no deviation will be accepted. Civil-Military systems spectrum compatibility shall be addressed.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts).
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Budget Overview

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Fast-track Extending U-space eco-system

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA6-2

Summary : Fast-track Extending U-space eco-system **Status** : Open

Deadline model : single-stage **Deadline** : 2025-09-16T00:00:00.000+0200 **Start Date** : 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA6-2>

Description

Expected Outcome: To significantly advance the following development actions: IR-6-02 CNS capabilities for U-space, which includes detect and avoid and collision avoidance for UAS, and the use of mobile networks by U-space (including performance-based communication and surveillance services using a mobile network infrastructure). IR-6-03 Extending U-space eco-system . This includes the use of U-space services by commercial aircraft, general aviation, crewed VCA, etc., and the use of U-space services outside U-space airspace. Scope: The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Use of public LTE/4G/5G cellular networks for low altitude operations Research addresses the potential use of public LTE/4G/5G networks for drones, GA and rotorcraft in various environments focusing on CNS applications – primarily enabled by TIS/FIS type of services and automatic vehicles’ position reporting. The key operational benefit is increased traffic situation awareness of all stakeholders in the airspace today typically without or with very limited traffic surveillance. The research shall address: The definition of operational use cases. These use cases should take into consideration operational use cases involving small drones in the open or specific categories, for fixed wing or rotorcraft GA, for certified crewed or uncrewed IAM vehicles, for ATC and/or for USSPs. Development of onboard CNS equipment with integrated cellular network modem supporting deployed public cellular network. It includes additional CNS functions as required by local operating environment (e.g., U-space). Research shall define and validate performance requirements (e.g., low % of lost messages, latency, etc.). Based on the coverage measurements/maps for different altitudes, it is expected that up to a defined altitude connectivity over public cellular network is reliable; multiple categories of reliability could be considered depending on the type of onboard equipment and the use case. The research should develop this taxonomy and investigate how they may be considered within SORA, e.g. to relax operational constraints when CNS capabilities are reliable. Development of the operational procedures applied to manage the potential degradation of service including the alerting mechanisms allowing to detect and share information about such degradation among all users. Assessment and demonstration of benefits resulting from the explored CNS enhancements for operational safety and for individual stakeholders (general aviation (GA) fixed wing or rotorcraft pilots, IAM pilots, remote pilots of drones and IAM, and ATC). Validate applications for GA, rotorcraft, and drones (e.g., traffic information, conformance monitoring & alerting, emergency management, etc.). Research should investigate the potential for the newly developed technologies to be further developed in order to fulfil the performance required for their application to certified aircraft. Research shall consider the work performed by solution PJ.14-02-05, which enabled GA pilots. to receive updated FIS/TIS information during flight using LTE network, exploratory research FACT, which addressed the use of public LTE network for drones, GA and rotorcraft in various environments focusing on non-critical

CNS applications and ER project NEWSENSE. Note that there is on-going work under project ANTENNAE. Low-cost CNS solutions for vertiports (and regional airports) This research element addresses the development of low-cost CNS solutions for vertiports. These solutions could be deployed also at regional airports that cannot afford the implementation of existing surveillance technologies such as MLAT and SMR because of their infrastructure costs. They represent a gap-filler solution that could also be used at larger airports to cover up current system limitations such as coverage issues and to extend ATS situational awareness in the apron and gate areas. The scope covers the potential application of: mmWave radar as a new technology for the vertiports/airports surveillance. MmWave radar has been used for automotive and industrial applications but its use in the scope of airport/vertiport surveillance is new. MmWave radar assessment and machine learning applied to radar data obtained with measurements in airfield are completely new. Research shall consider the output of project NewSense. 5G new radio (NR) as a new technology for airports. 5G signals has been previously used for other application areas (automotive, industrial, smart city), but their use in the scope of airport traffic management (e.g., positioning, line of sight detection, etc.) is new. An important advantage of being able to use the existing 5G networks for CNS objectives is the fact that no new infrastructure needs to be built and one could take advantage of already existing infrastructures. Research shall consider the output of project NewSense. Note that there is on-going work under project ANTENNAE. Potential enhancements of ground infrastructure supporting augmentation of onboard navigation to increase its accuracy and resilience against GNSS degradation and supporting high integrity Autoland. High-resolution video images as a "low cost" alternative means of surveillance for airports and vertiports. These technologies are dual-use civil-military. CNS capabilities for U-space, UAS and military integration This covers the development of: Navigation solutions based on 5G (or other means) for drone operations in urban areas. Surveillance needs for drones. Drones are too small for primary surveillance, too low power to communicate position, and ADS-B is not a solution for them due to 1030/1090 congestion. Research shall propose potential solutions based on 5G (or other means) for surveillance purposes. For drones research shall define the U-space requirements for communication infrastructure. While it is assumed U-space will have all needs covered, there may be limitations for their access to communication infrastructure / capabilities. This also covers the G/G communication between ATC and the drone operator (G/G), etc. U-space GNSS: expansion of navigation infrastructure is essential to support the requirements of U-Space (e.g., related to weight and power consumption). This entails primarily utilizing GNSS sources capable of processing multiple constellations (e.g., DFMC ABAS or GBAS) and/or integrating SBAS or RTK augmentation. Research shall avoid duplication with on-going activities under the scope of European Defence Agency (EDA). E-conspicuity solutions for U-space Integration of other e-conspicuity solutions for U-Space, such as ADS-L over 866MHz (TACAN) or over Telecom networks. Coverage must extend to very low airspace volumes, as well as small targets with reduced radar cross section (RCS). Integration of drones and crewed aircraft in defined shared airspace geozones The DAR is based on the segregation of crewed aircraft and drones. The objective of the research is to develop a concept for a U-space service allowing the integrated operation of drones and crewed aircraft. This is expected to be of interest for example for the operation of rotorcraft and VCA in shared airspace with drones within a defined geographical zone. The research shall focus first on integration of drones with crewed VFR aircraft (which is considered to be the main use case) and may optionally address integration of drones with crewed IFR (provided applicable use cases are defined). The first use case for the application of this concept is emergency response, where the paradigm of rotorcraft flying above drones may not always apply. The concept may apply to additional use cases, e.g. ad-hoc surveillance operations (e.g., events). The research may build on previous work [1] has explored the potential use of pre-departure deconfliction, whereby the drone and the VFR aircraft are each assigned areas of operation, concluding that the definition of meaningful areas of operation for VFR aircraft should be based on landmarks and on-board support for the VFR pilot would be useful in supporting adherence of the VFR aircraft to its assigned area of operation. The research should define the separation between the drone operating zones and the VFR operating zones, including definition of the applicable buffers. The concept may also address the introduction of flexibility for in-flight replanning of the VFR flights and/or the drones. U-space services for certified (crewed or uncrewed) aircraft The objective of this topic is to investigate the potential benefits of the use of U-space concepts by certified (crewed or uncrewed) aircraft. A first candidate service considered of interest for general aviation (GA), rotorcraft and GA is the U-space traffic information service. Indeed, general aviation (IFR or VFR) in uncontrolled airspace currently relies on see and avoid procedures to remain well clear from other aircraft, and could benefit from an increased situational awareness provided by an extended U-space U3 traffic information service providing traffic information. This would be like the TIS FIS service, but would provide information on all vehicles, including certified crewed or uncrewed aircraft and small open or specific category drones flying in the area. The service would integrate traffic information from different sources, i.e. U-space tracking, cooperative surveillance, uncooperative surveillance. Proposals may address U-space services other than the traffic information service; in such case, the proposal should provide a description of the U-space service and briefly described how it would be used by certified aircraft and what the expected benefits are. [1] Andreeva-Mori, A., Ohga, K., Kobayashi, K. Okuno, Y. Homola, J., Johnson, M., Kopardekar, P. (2021). Management of Operations under VFR in UTM for Disaster Response Missions. SESAR Innovation Days 2021.

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20% 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated

by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Increased automation assistance for the pilot for ATM tasks

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA5-1

Summary : Increased automation assistance for the pilot for ATM tasks **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA5-1>

Description

Expected Outcome: To significantly advance the following development actions: IR-5-01 Single pilot operations (SiPO). This includes new sensors and aircraft architectures for the evolution towards SiPO/highly automated operations. IR-5-02 Increased automation assistance for the pilot for ATM tasks. This includes improved flight-deck HMI and procedures for CPDLC, voice-less technology, etc. **Scope:** The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic

and are fully aligned with the development priorities defined in the European ATM Master Plan. Single pilot operations (SiPO) In single pilot operations (SiPO) there will only be one pilot onboard at any given time during flight, also during critical phases of flight such as take-off and landing. Research shall address the impacts on air/ground procedures to be followed by the different actors (air traffic ATCOs, pilots, and ground operators of the airline flight operations centres) needed to manage the normal, abnormal, and emergency situations of SiPO that are related to ATM, with the needed safety and the acceptable efficiency in all phases of flight. Research shall also address the development of the required airborne avionics for supporting SiPO that are related to ATM tasks (e.g., flight management system, surveillance function, autonomous navigation system for all phases of flight, etc.). These systems will require advanced automation and assistance in the flight deck with the objective of discharging the pilot from routine tasks in ATM, including navigation, allowing them to focus on the most critical tasks (i.e., safety of operations). The research should aim at minimising the impacts on ATC operators, on their tools (ATC ground systems) and on the ATC-cockpit communications means. Current error management very much relies on crosschecks between the two crew members, e.g., input of ATC altitude request to autopilot system. For a safe implementation of SiPO it will be essential to address the mitigation of the risk posed by increased errors in operations related to ATM and navigation due to missing crosschecks. Research should also consider the mitigation of the risk of a delay in the implementation of ATC instructions, e.g. due to it coinciding with a moment of high cockpit workload and/or a physiological break of the single pilot. The management from the ATM perspective of the pilot incapacitation emergency situation is also in scope. If AI-based tools are applied, research should not only address workload and decision-making but also the adherence to procedures including crosschecks between the pilot and AI. Research may consider mainline aircraft and/or commuter aircraft and/or business aircraft. For example, the following operational use cases may be addressed, potentially with different target maturity levels: Operation on the ground at complex airports. Operation on the ground at secondary airports. Low visibility operations with CAT II and/or CATIII. Operations at complex TMAs with destination/origin the main airport or a secondary airport. Note that there is on-going work on this research element under projects SOLO, DARWIN and RESPONSE. Artificial intelligence (AI) to enhance flight crew capabilities Research aims at investigating how AI can support pilots in complex and critical situations, when workload may be high and/or the time to react very limited and thus improve safety. The pilot can cooperate and collaborate with the automation on board allowing efficient teaming with the automation. For these situations, research should focus, for example, on how to exploit high levels of automation to perform non-critical ATM tasks for pilots and how the HMI should work during such operations, so the pilot can focus on essential tasks (e.g., during taxi-out, descend, approach and landing). The tasks needed to successfully execute the mission can be dynamically allocated between human pilot and automation onboard. In addition, AI-powered applications could support the pilots in situations where workload is low e.g., engaging pilot's attention and alert the pilot in case something unexpected happens. The scope includes all pilot tasks related to ATM, including navigation and taxi on the airport surface. An area of particular focus is the management of high pilot workload situations during the descent, approach, and landing; the objective is to free pilot resources to allow the use of CPDLC with push-to-load in the TMA. Research may address the development of algorithms (that are certifiable) based on reinforcement learning to help the pilot make decisions (e.g., decisions considering the impact of system failures on performance, weather, wind at alternate, range, etc.). The research results should demonstrate how the technology could support pilots in carrying out their tasks (e.g., demonstrate an increase in human capabilities during the execution of complex scenarios or a reduction in human workload in the execution of standard tasks), and assess the impact on the role of the human. The research shall also address the methods and approaches that will lead to safe human-AI teaming that will lead to certifiability of the future applications. These applications may play a significant role in the transition to single pilot operations; proposals in this area must demonstrate the relevance of their proposed work for ATM. Note that there is on-going work related to this research element under projects JARVIS and DARWIN. Advanced on-board systems and procedures in support of highly automated ATM operations Research aims at developing on-board avionics and procedures, including flight crew digital assistants for fixed-wing aircraft and helicopters, in support of highly automated ATM applications. Higher level of automation defined in the ATM master plan is enabled by teaming of human pilot with digital assistants and providing human oversight to the flight. The scope includes research elements such as: Improved on-board interface for ATM communications (voice, to reduce flight crew workload in the management of complex CPDLC clearances, and flight crew support to monitor their correct execution. Use of CPDLC in the lower levels, including tactical uplink of 2D route revision, vertical clearances, clearance for approach, clearance to land, clearance for take-off, etc. On-board systems for automatic route negotiation between aircraft systems and ATM. Development of airborne digital assistants for the flight crew in support of ATM tasks to reduce flight crew workload and ensure safety levels are maintained when operating in a more complex environment. The research may include : support for FF-ICE/R2 negotiations, support for taxi operations in large airports with complex lay-outs (including CPDLC taxi clearances and support for their on-board implementation), support for sustainable taxi operations (single engine taxi or with sustainable taxi vehicles), support for wake-energy retrieval operations, support for wake vortex encounter avoidance, support for taxi in low-visibility conditions (addressing in particular expeditious vacating of the runway), etc. Development of ATS B2 Revision B. Proposals in this area must demonstrate the relevance of their proposed work for ATM. The development of cockpit automation that is not relevant to ATM is out of scope. This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 3) and the airborne prototypes (covered in WA 5). Flight-deck support for ATS B2 CPDLC v2/v4 on the airport surface. This solution covers the development of the flight-deck (HMI, potentially including digital assistants, and avionics, including extension of push-to-load capabilities if needed), in

support of the enhanced use of CPDLC on the airport surface. This includes an enhancement of the D-TAXI capabilities to allow the use of CPDLC to uplink taxi clearances when the aircraft is already taxiing, as well as for the uplink of a revised departure route at any point after the aircraft has left the gate until shortly before take-off. The new departure route could be a SID (i.e., one of the published departure routes from the airport) or a custom-made departure route (e.g., a published SID but with vertical constraints aimed at facilitating a better climb profile). This increased flexibility will make it possible to uplink departure routes shortly before take-off with vertical constraints to ensure separation with other aircraft so that aircraft fly more efficient vertical profiles. This applies in particular to the tactical uplink shortly before take-off of departure routes, potentially with vertical constraints. EFB applications supporting the implementation of ATS-B2 clearances and/or the downlink of ADS-C data are also in scope. Note that the load of CPDLC clearances into FMS is not expected to go through the EFB but directly through direct connection between the CPDLC box and the FMS; EFB applications may be used to support the flight crew managing the clearances received via CPDLC (e.g., performance analysis, presentation, etc.). This element would benefit from air-ground integrated validation activities integrating the ground prototypes (covered in WA 4) and the airborne prototypes (covered in WA 5). Automation of QNH transmission between ground system and aircraft The exchange of QNH information and the corresponding checks performed by ATS and the flight crew remain manual, increasing the workload for human operators. Moreover, the transmission of incorrect altimeter setting (QNH) between the ground system and the aircraft can lead to serious safety incidents [1] . Research aims at developing solutions for the complete automation of QNH transmission and checks between ground equipment and avionics without human intervention. [1] <https://bea.aero/en/investigation-reports/notified-events/detail/serious-incident-to-the-airbus-a320-registered-9h-emu-operated-by-airhub-on-23-05-2022-at-paris-charles-de-gaulle-ad/>

Conditions

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4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
 - 5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20%
 - 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold.
 - 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to

share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509

Budget Overview

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Fast-track U3 U-space advanced services and CNS capabilities

General Info

Topic ID : HORIZON-SESAR-2025-DES-IR-02-WA6-1

Summary : Fast-track U3 U-space advanced services and CNS capabilities **Status :** Open

Deadline model : single-stage **Deadline :** 2025-09-16T00:00:00.000+0200 **Start Date :** 2025-04-01T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-SESAR-2025-DES-IR-02-WA6-1>

Description

Expected Outcome: To significantly advance the following development actions: IR-6-01 U3 U-space advanced services addressing aspects such as common altitude reference, collaborative interface with ATC, tactical conflict detection and resolution, fairness in strategic deconfliction, etc. **Scope:** The following list of R&I needs is proposed as an illustration of the potential project content, but it is not meant as prescriptive. Proposals may include other research elements beyond the proposed research elements below if they are justified by their contribution to achieve the expected outcomes of the topic and are fully aligned with the development priorities defined in the European ATM Master Plan. Collaborative interface with ATC: dynamic airspace reconfiguration (ATM/U-space) Research shall further develop dynamic airspace reconfiguration (DAR) concept to facilitate that UAS traffic can access ATC controlled areas, ensuring the safe separation of UAS and crewed operations. Research objective is to develop a highly dynamic, responsive, and granular delegation of portions of controlled airspace in the ATM-U-space shared airspace (AUSA) to either ATC or U-space control, subject to ATM and U-space operational demands respectively. Research shall address the definition of ATM and UTM responsibilities and may address the impact on ATM and UTM capacity. AUSA is a region of controlled airspace where airspace delegation between ATM and U-space can occur. The volumes in AUSA may extend from ground or a specified altitude and have a ceiling that may reach into any altitude of the controlled airspace. The horizontal shape and vertical boundaries of each volume can dynamically change before and during execution of an operation in AUSA. This can effectively create a “safe bubble” around the crewed aviation in those cases when most of the AUSA airspace is delegated to U-Space. The research must consider the specific needs of military/state drones. Note that there is on-going work under project ENSURE. Operation of open and certified drones in controlled airspace without dynamic airspace reconfiguration (DAR) This element aims at creating a concept for the operation of drones in controlled airspace that is not AUSA. It can also be used in AUSA as an alternative to DAR, e.g. to allow the operation of a single drone for which DAR is not practical. The first target use case is the operation of drones at controlled airports, e.g. for airport service activities (surveillance, delivery, NAVAID calibration). In this case, the drone will follow an ATC clearance. Communication between the drone pilot and ATC will be facilitated by a U-space service. The research must establish whether direct communication between the drone pilot is required. Acceptable clearances and minimum performance requirements for the drone may be required for this kind of operations, and the drone pilot may be required to undergo specific training (e.g. similarly to what is required for operating airport vehicles). Enhanced drone flight authorisation processes As per the current regulation, to operate a flight in U-space airspace the operator must submit a drone flight plan to the U-space service provider (USSP), which the USSP must issue an authorisation for. For a flight plan to be accepted/authorised, it needs to comply with all known airspace constraints (e.g., geographical zones) and be strategically deconflicted from other drone flight plans. The objective of the research is to contribute to further develop the drone flight plan standard (including both data format, data exchange protocols and processes) beyond the existing (e.g., ASTM F-3548-21 [1]) to include enhancements, such as: A two-step authorisation process, with first a drone flight plan acceptance to be followed by an authorisation to proceed (equivalent to a clearance for take-off) to be issued shortly before the flight moves to an activated status. Where the two-step process is not deemed necessary, the two authorisations will be issued simultaneously. The drone flight acceptance would be issued if the drone flight plan is complete and does not infringe any airspace restrictions, while the authorisation to proceed would be given after the applicable strategic deconfliction process has been completed. Both authorisations would have a time tolerance attached. The introduction of a limited authorisation option, where a flight plan is authorised to an (airborne) clearance limit rather than all the way to destination. Before proceeding beyond the clearance limit, the drone operator will need to receive an authorisation to proceed. This kind of authorisation is expected to be particularly useful for drones conducting successive

inspection operations where the time the drone will need to spend over each of the inspection targets can't be known in advance. Definition of non-first-in-first-out (non-FIFO) fair prioritisation rules in pre-departure strategic deconfliction, allowing the prioritisation of the flight authorisation for e.g. state or medical drones, or for ensuring a fair competitive environment for all drone operators. Note that a non-FIFO prioritisation rule that is not based on a FIFO principle [2] may require the revocation or amendment of an authorisation previously given to a lower priority flight to be able to authorise a higher priority flight. Inclusion of flight permission to fly in certain geozones as part of the digital U-space flight authorisation process. Update flight authorisation standard to include new elements from undergoing projects, such as vertiport selection and slot reservation. Interoperability between USSP and common information services (CIS). Standard to cover actual flight plan (not just interoperability between USSPs). Research shall consider the dataset in the appendix of the regulation and may investigate the potential benefits of using additional data fields. The format of flight plan should be standardized and include all the required information (same info to be exchanged between USSPs, between USSP and user, between USSP and CIS), although research may conclude that some fields might not need to be exchanged between USSPs. Research shall address the time dimension of the authorisation process (e.g., when the authorisation process starts, when the process finishes, etc.). To facilitate ATM-U-space interoperability the data formats should be as close as possible to the standards used for crewed aviation. The applicability of the SWIM standards for USSP-USSP-CISP data exchange should be investigated (e.g., publish/subscribe). Note that CISP USSP interface is defined in EU IR 2021/664 and EU IR 2021/665 and their associated AMC/GM. U-space tactical separation management service for drones Separation is defined as the tactical process of maintaining drones above the separation minima (between themselves or between a drone and a restricted access geozone). When it is foreseen that the distance will be below the separation minima (based on the information available from a trajectory prediction based on tracking and flight plan information), the tactical separation service will provide a modification of the trajectory to the drone or drones involved through the USSPs. When the trajectory of two or more drones needs to be modified, more than one USSP may need to be involved. The primary objective of the separation service is to allow drones to receive flight authorisation for beyond visual line of sight (BVLOS) flight without the requirement that the planned trajectories be strategically deconflicted as currently required by the current U-space easy access rules in areas where the ground risk is such that the risk of collisions between drones needs to be mitigated. For areas with higher ground risk (e.g., over densely populated areas) a separation service may be the preferred option. It is expected that the implementation of the route modification proposed by the separation service will be mandatory for users having accepted a flight authorisation without prior strategic deconfliction (flight authorisation with tactical separation commitment). If time allows the drone operators or the USSPs may propose an alternative to the route modification proposed by the separation service. The research must define the process to define the separation minima, which may be dependent on the drone capabilities. The deconflictions (e.g., lateral deviation, vertical deviation, speed change, etc.) should consider the uncertainties in the current and future positions, for example relating to the altimetry system. A tactical separation service may also make it possible for a USSP to grant authorisation for a drone to fly when there is uncertainty on whether it might find airspace restrictions along the route (e.g. if a restricted access geozone might become active). The separation between drones and crewed VFR aircraft entering U-space airspace is covered in the dedicated element "Separation between uncontrolled crewed VFR flights and drones". The research may explore the synergies between these two separation services. Research could also consider a combined strategic/tactical concept where some degree of pre-departure strategic deconfliction is still required, but there is a tactical separation service to cover the non-nominal situation where two or more drones are predicted to become closer than defined tactical and/or strategic separation minima, e.g. due to one or more drones having deviated from their flight authorisation beyond the allowed or expected buffers. In this context, the term tactical separation service refers to any modification to the authorisation of a drone flight that is already airborne, regardless of the time ahead from the current drone position where the new authorisation deviates from the original authorisation. When two or more drones are involved in the separation loss, a fair prioritisation framework may be defined to decide which drone (or drones) should be asked to change their trajectory (when time allows). Note it is expected that the buffers for the strategic deconfliction in a combined strategic/tactical concept could be lower than in the current strategic-separation-only concept. Research shall consider scenarios including simultaneous operations of drones with different capabilities. The research output shall include operational concept and technical requirements including CNS requirements. Note that there is on-going work under projects SPATIO and U-AGREE. Enhanced ground risk assessment The aim of the research is to provide automated support for the assessment of the ground risk of drone operations (the proposal should provide means to obtain the dynamic population density as per specific operations risk assessment (SORA) 2.5 plus subsequent versions, and also explore other risks and inputs useful to be included in enhanced guidelines to perform airspace risk assessment (ARA)). The basis for the ground risk assessment is expected to combine multiple information sources and be applicable both before the flight and during the conduct of the flight: Before the flight: platform for municipalities/authorities to evaluate the increase or decrease of the ground risks due to events (e.g., opening/closure of public spaces, festivals, sports events, etc.), consider historical mobile phone concentration and camera data, etc. At the same time, digital means to communicate this information to drone operators, both inside and outside U-space should be provided, updating (in the case of drone operations within U-space airspace) automatically the flight authorisations. In real time (during the flight execution): consider live camera and mobile phone data, platform for municipalities/authorities to report issues, etc. As in the previous case, digital means to communicate issues by municipalities and authorities should be provided, updating (in the case of drone operations within U-space airspace) automatically the flight authorisations in real time. Governance mechanisms to dynamically report and implement

changes on UAS zones due to events or disruptions affecting the ground risks should be established and taken into account when defining digital means or platform to report this information to drone operators. Research shall take into consideration U-space lifecycle and coordination for U-space airspace establishment under Article 18.f of 664 Implementing Rule. Research shall address the potential needs of a secured and trusted data base to support the elaboration the ground risk assessments. Proposals shall elaborate a thorough state-of-the-art analysis on U-space ground risk management including relevant previous R&I work (both in and outside of SESAR). Research shall take into consideration the work done under EASA on this element. Research may address the potential use of satellite data from the European Union Agency for the space programme (EUSPA) and from the statistical office of the European Union (EUROSTAT) regarding population data. Note that there is on-going work under project U-AGREE. Enhanced geofencing service Geofencing allows U-space geographical zones with restricted access to be loaded into a drone pre-departure, potentially including mandatory update before each take-off, and may also include in-flight update. The concept includes the prevention of non-authorised flight at the level of the drone software. Geofencing is a useful mechanism to prevent accidental unauthorised entry into areas where drone flight is restricted, increasing safety levels (for example around airports and over sensitive areas over critical infrastructure or security-sensitive areas, etc.). The technology is mature and standardized (ED-269, ED-270 and ED-318), but there is a need to set up the framework to allow its widespread adoption. The gaps include database management framework, legal and liability issues, U-space services to process users' authorisation to fly inside a restricted zone and specific processes to allow full access to state drones (e.g., police drones, border control, etc.). Note that geofencing is an option in the current regulation within the geo-awareness service. Proposals shall elaborate a thorough state-of-the-art analysis on geofencing including relevant previous R&I work (both in (e.g., project Geosafe) and outside of SESAR), and not limited to European context. Research shall consider the recommendations included in the EASA report "study and recommendations regarding unmanned aircraft system geo-limitations" [3]. Research shall include a study of documented drone incidents that might have been prevented with a geofencing system to support the safety case. Geofencing is a dual-use civil-military concept and technology. The project should consider the specific geofencing needs from the military community. Low-ground-risk DAA-based drone operations in drone only geozones The objective of these research is to develop and validate a concept for the operation for small drones to operate over areas where there is no crewed aviation and with low-ground-risk without a requirement for pre-departure strategic deconfliction, where collisions between drones are prevented by the on-board DAA systems. When two drones are in conflict, the two DAA systems could coordinate with each other, for example based on a wifi connection as considered by previous SESAR project PERCEVITE. The concept must include a process for flight authorisation without strategic deconfliction of the planned 4D volumes, which could consider a DCB process to ensure a maximum density of operations as part of the criteria for approval. The capacity of airspace should be dynamically defined, e.g. there would be a default capacity, but it could be reduced in case of an increase in the ground risk (e.g., seasonally or due to an event) or the air risk, or under certain meteorological conditions. Air-risk must also be mitigated. It is envisioned that the operation would be restricted to very low level (VLL). An altitude buffer below the upper level of VLL (500 ft) should be defined and validated. The size of the buffer could depend on the altimetry used by the drone (e.g., barometric, geometric GNSS, geometric real time kinematic (RTK), etc.) and on the capability of the drone DAA system to detect and avoid crewed aircraft. Both cooperative and non-cooperative crewed aircraft flying above VLL must be considered. It is envisioned that the concept could be applied only in geographical areas where there is no crewed aviation. Even in this case, the safety case must address the contingency of a crewed aircraft entering the drone-only due to a flight emergency (e.g., via DAA). Planned crewed flights e.g. for a helicopter flight landing or military aircraft doing low level training should also be addressed (e.g., by DAA in combination with the provision of real-time information on the crewed flight plan to the drone operators via the USSP). Flight authorisation could be given for a limited time (e.g., 15 min) and be confirmed every 15 min. Proposals shall include an airspace risk assessment. If the research is successful, a regulatory evolution should be proposed (e.g., for a new type of U-space airspace with different flight authorisation rules for these DAA-based operation areas). Altimetry for drones in very low level (VLL) The objective of this research element is to provide altimetry solutions for drones. Both barometric and geometric altimetry solution should be considered. The research must study the comparative benefits of barometric vs. geometric altimetry for drones and investigate the operational impact of having drones with barometric and geometric altimeters flying in the same airspace volume (e.g. buffers in the separation minima to account for the different reference systems), and the comparability with QNH-corrected altimeter readings from certified aircraft. Barometric: when below the transition layer, barometric altimeters in (crewed or uncrewed) certified aircraft correct based on the local pressure at the airport or region via the use of the QNH setting. All aircraft flying in an airspace volume use the same QNH setting, which makes it possible to compare their altitudes and apply vertical separation between them. In contrast, small drones that use barometric altimeters use the pressure differential with respect to the take-off "home point". If the elevation of the home point is known (e.g., from GNSS or from a chart), a QNH-like setting can be generated and used to correct the barometric altitude, hence providing a reasonably accurate altitude above MSL. However, drones taking off from different home points could have different QNH-like correction settings, which might make their altitudes not comparable in the general case (although the difference between the settings for drones taking off from sufficiently proximate home points might be negligible). The use of a regional-type QNH-like altimeter correction setting for drones could be used to ensure a common reference but would result in drones potentially having a non-zero altitude reading at the home point. The research should investigate the different options to make barometric altitudes from drones with different home points comparable, e.g. correction based on known elevation of home point for proximate home points

(proximity parameter to be defined), use of regional correction settings for all drones in a specific volume, etc. The research should also investigate the comparability of altitudes between drones using barometric altimetry with some type of home-point or regional correction and QNH-corrected barometric altitude from certified aircraft. Geometric: geometric altimetry for drones is GNSS based and can use different means e.g., EGNOS, GBAS, real time kinematic (RTK) augmentation etc. to increase its precision. The research on geometric altimetry shall consider the research performed by SESAR project ICARUS. The research must characterise (providing a quantification) the comparability between geometric altimetry of drones with/without augmentation and aircraft flying with a QNH, focusing on the VLL airspace (500 ft or below). The following additional altimetry-related areas of research are also in scope: Altimetry in the network identification and tracking reports from drones: drones provide altitude information through the tracking and remote identification services. For each of the altimetry methods considered in the research, the project should assess potential impact of using the method for reporting altitude in the network identification and tracking transmissions. Digital surface model (DSM) and digital terrain model (DTM) database management, including business aspects and service provision. Augmentation systems for increasing the precision of vertical altimetry in urban environments (e.g., EGNOS, GBAS, multi-drone cooperative, navigation using anchor vehicles, etc.). The research should avoid proposing solutions enforcing additional requirements to other airspace users (in particular general aviation) and should be easy to understand for non-aviators (considering drone pilots in the open and specific categories). Applications to support the situational awareness of drone pilots in terms of altimetry are in scope. Note that in this call WA 5-3 there is an element addressing altimetry for certified aircraft. While it may not be required that open and specific category drones and certified aircraft use the same altimetry system, projects working in altimetry for drones and projects working in altimetry for certified aircraft should share information and consider interoperability at low altitude or applicable buffers for separation. Separation between uncontrolled crewed VFR flights and drones According to the standardised European rules of the air (SERA), except for take-off and landing, crewed aircraft must maintain an altitude of 1000 ft. or above the highest obstacle within a radius of 600 m when flying over cities, towns or settlements or over an open-air assembly of persons, and 500 ft. or above elsewhere. The U-space regulation allows BVLOS flights in U-space airspace subject to flight authorisation and specific operations risk assessment (SORA). U-space airspace is typically expected to be designated to cover up to 500 ft, but a higher boundary is also possible. The objective of the research is to investigate a concept to mitigate the risk of collision between crewed VFR aircraft and drones, examining different use cases: When the VFR aircraft is taking off or landing in U-space airspace. In this case, the U-space regulation requires that the VFR aircraft is e-conspicuous, and hence the USSP will have real-time position information. The concept should assess conflict management between drones and crewed VFR aircraft for which only the e-conspicuity information and evaluate the potential benefits of making additional information available to the USSP (e.g., the flight plan (allowing the USSP to anticipate that a VFR aircraft will take off or land), information from a flight information service (FIS) service if available, etc.). When the VFR aircraft is entering very low level (VLL) due to an emergency, and it is e conspicuous. Military low-level training operations. When the VFR aircraft is entering VLL due to an emergency. It is not e-conspicuous (as the entrance in VLL was unplanned, the VFR aircraft may not be equipped, or the equipment might not be switched on). In this case, the drone might use to detect the crewed aircraft. The research could investigate mitigation options for this case, e.g. use of electro-optical or sound detection equipment and DAA by drones flying below areas of intense VFR traffic and/or requirement for e-conspicuity for crewed VFR aircraft flying directly above U-space airspace. On the top boundary of U-space airspace: this is the case when the VFR aircraft is flying close to the ceiling of U-space airspace (typically VLL ceiling will be 500 ft, but it could be higher if the state has declared a U-space airspace with a higher ceiling) and the drone is flying just below the U-space airspace ceiling. In this case, the mitigation may include determining a maximum altitude drones should receive authorisation to fly at (e.g., 400 ft. for a U-space airspace ceiling at 500 ft) so that they stay always at a safe distance below crewed aircraft). Research shall consider use cases including sports aviation (e.g., gliders, paragliders, ultralights, balloons, etc.), which usually do not need to file a flight plan. The research must consider the altimetry systems used by drones and by crewed aircraft and investigate if an additional buffer is needed. Multidimensional optimised U-space flight planning and authorisation processes Work is required to ensure that the new operations enabled by U-space are acceptable to the public. Specific areas of concern will be innovative air mobility (IAM) noise, visual pollution, privacy, urban and rural development, protection of natural environments, employment generation, etc. The introduction and growth of IAM must be carefully assessed and managed to ensure equity and sustainable improvement with regards to quality of life. Research shall address the definition of a cost function for each mission including factors proven to have an impact (e.g., societal acceptance/visual pollution, noise, CO₂ emissions, meteo, energy consumption, etc.) to be considered already in the flight planning process. This could give incentives to U-space operators to choose an optimised mission considering all relevant dimensions. In addition, a consensus must be reached on the acceptable target level of safety of the different types of operations under U-space. The traditional definition for target level of safety may not be enough to encompass the context of U-space 2.0 and IAM operations (e.g., restricted geo-zones breach is not an accident, nor it would necessarily cause harmful effects to people but still considered unacceptable). Both real and perceived levels of safety should be considered. Responsibility, accountability, and liability are further fundamental societal concerns that must be considered. Allowing citizens to be involved in the overall development of the system is crucial to ensuring their consideration. General and leisure aviation needs should also be considered, especially when they are not subject to ATC. Counter-UAS (C-UAS) systems' services for airport operations The presence of drones in and around an airport can significantly affect flight operations and pose risks to the surrounding area. To ensure the safety of the airport, it is

essential to detect and report drones, and appropriate measures should be implemented to address potential accidents or incidents. There is a need to define the specification of the C-UAS system components (detection, tracking, identification and counter measures): Come up with an operational process integrating the interoperability with other systems, actions and procedures. Better identify the neutralization component – not the mitigation countermeasure. Assessment of impact level to manage the air traffic. Identification of threat and different types of threat. Need to identify protocols, roles (of aviation security, airport operator, national authority, air navigation service provider, human operator, pilots (crewed and uncrewed aircraft), UTM service provider, law enforcement authorities, intelligence agencies and other national security entities, military, local authorities) and responsibilities. Response procedures using C-UAS technologies and Human machine interface (HMI). Recovery of airport operations. Reporting investigation and trend analysis. Data retention. Research also addresses the development of drone intrusion management service to support and mitigate contingency and restoration actions in case of drone intrusions in the airport environment (or against other civil assets e.g., nuclear plants, sensitive data centres, etc.). The proposed solutions will increase situational awareness and eases the coordination and decision-making process between the key actors that have an active role in the actual management of the drone incursion or drone incident management cell (DIMC) as defined by EASA. Research shall consider the output of previous ASPRID project. U-space advanced data exchange and communication service. The primary objective is to investigate existing data requirements and develop innovative solutions to support a harmonised and interoperable U-space data exchange and communication service. The research shall cover the identification of necessary data and information to ensure the interoperability of current U-space services, as well as, the design of guidelines, communication protocols and data management strategies required to enable the full deployment of harmonised/interoperable U-space services. The following key areas should be addressed: Data exchange mechanisms: validate data exchange protocols for real-time communication between operators, U-space service providers, CISP and traditional air traffic management (ATM) systems. Explore data exchange models to enhance scalability and robustness. Interoperability and standardization: identify existing data format standards, protocols and processes that can support interoperability between different U-space service providers and between U-space and traditional ATM systems. Standardization framework: consider datasets in the appendix of the regulation, propose updates or new data fields, standards, and protocols to ensure seamless interoperability and facilitate global adoption of U-space services. Identify risks and propose guidelines / methodologies to avoid misalignment and ensure full compatibility for data exchange. Automated data management: design automated systems for appropriate data collection, processing, storage, and dissemination to support real-time decision-making and situational awareness (per user type (e.g., USSP, CISP, drone operator, vertiport operators etc.)). Cybersecurity: Endpoints, data connection and ecosystem are cybersecure thanks to enhancement to key properties of information security such as, but not limited to, strong identification, authentication and integrity. Research shall consider the on-going work by ICAO on the international aviation trust framework (IATF), which aims at developing standards and harmonised procedures for a digitally seamless sky and dependable information exchange between all parties. . Infrastructure monitoring services Research addresses the development of infrastructure monitoring services, including: Navigation infrastructure monitoring service: the service is expected to provide up to date status information about navigation infrastructure. This service is intended to be used before and during operations. The service should give warnings of loss of navigation accuracy. Specifically, the GNSS service retrieves data from the EGNOS data access service (EDAS), from the Reference Stations database and, through the USSP API, from the U-Space Tracking and Monitoring service provided by the USSP. Once all the necessary data have been obtained, the service can provide GNSS signal monitoring, position velocity and time (PVT) and Integrity calculation. This service may also distribute correction information coming from augmentation services, and even real time kinematic (RTK) augmentation as appropriate. Communication infrastructure monitoring service: the service is expected to provide up to date status information about communication infrastructure. This service is intended to be used before and during operations. The service should give warnings of degradation of communications infrastructure. . Mitigation of noise impacts of open and specific category drones This element covers the development of a framework to assess the noise annoyance caused by small drones and propose and validate mitigation strategies, with a focus on mitigation strategies that may be applicable in the short term, e.g. establishing minimum flying altitudes or maximum speeds. [1] Standard Specification For UAS Traffic Management (UTM) UAS Service Supplier (USS) Interoperability. [2] FIFO schemes include, e.g. the first-filed-first-served scheme, whereby flight authorisation requests are processed sequentially in the order they are received, i.e. a flight will not be authorised until all the flights that have previously requested an authorisation have been authorised. An alternative FIFO approach could be that requests could be processed in batches according to milestones, e.g. XX minutes before a take-off-time-interval, with authorisations being processed sequentially based on the planned take-off time. [3] Study and Recommendations regarding Unmanned Aircraft System Geo-Limitations | EASA (europa.eu) .

Conditions

General conditions

1. Admissibility Conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission

System.

2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes. This call is subject to restrictions for the protection of European communication networks.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in subsection 2.5 of the BAWP 2024-2025 Weighting per criteria in additions to the general award criteria : Excellence: 40% Impact: 40% Implementation: 20% 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . The evaluation committee may be composed partially of representatives of EU institutions and agencies (internal experts). To ensure a balanced portfolio, grants will be awarded to applications not only in order of ranking but at least also to those that are the highest ranked within topics within the same work area, provided that the application attains the threshold. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. The following exceptions apply.

1.

A funding rate of 70% applies to all beneficiaries (regardless of their legal status). 2) Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). 3) Beneficiaries will be subject to the following additional dissemination obligations : beneficiaries must make proactive efforts to share, on a royalty-free basis, in a timely manner and as appropriate, all relevant results with the other grants awarded under the same call; beneficiaries must acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 4) Beneficiaries will be subject to the following additional exploitation obligations : For the purpose of complying with the objectives set in Council Regulation (EU) 2021/2085, the SRIA and the European ATM Master Plan , beneficiaries must make available for reuse under fair, reasonable and non-discriminatory conditions all relevant results generated, through a well-defined mechanism using a trusted repository; if the purpose of the specific identified measures to exploit the results of the action is related to standardisation, beneficiaries must grant a non-exclusive licence to the results royalty-free; if working on linked actions, beneficiaries must ensure mutual access to the background to and to the results of ongoing and closed linked actions, should this be necessary to implement tasks under the linked actions or to exploit results generated by the linked actions as defined in the conditions laid down in the biannual work programme and in the call for proposals. Beneficiaries must

acknowledge these obligations and incorporate them into the proposal, outlining the efforts they will make to meet them, and into Annex I to the grant agreement. 5) Grants awarded under this topic will be linked to the following actions: Call HORIZON-SESAR-2022-DES-IR-01 Call HORIZON-SESAR-2022-DES-ER-01 A collaboration agreement is required. The integration of a gender dimension (sex and gender analysis) into R&I content is not a mandatory requirement. The maximum project duration is 36 months. Call documents: SESAR 3 Joint Undertaking Bi-Annual Work Programme (BAWP) 2024-2025 - Annex III Application form templates Standard application form (HE RIA, IA)

please note that only Part A of this template is applicable for this call. For Part B, see below. SESAR 3 application form (RIA, IA) - Part B

this application form specific for this call is available in the Submission System. Detailed budget table (HE LS) Evaluation form templates Standard evaluation form (HE RIA, IA)

will be used with the necessary adaptations based on specific award criteria (see BAWP, Annex III, section 2.5). Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Guidance: "Lump sums - what do I need to know?" Additional documents: SESAR 3 Joint Undertaking Multi-Annual Work Programme (MAWP) 2022-2031 SESAR 3 Project Handbook SESAR 3 Q&A Document HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 8. Climate, Energy and Mobility HE Main Work Programme 2023–2025 – 12. Missions HE Main Work Programme 2023–2025 – 13. General Annexes Council Regulation 2021/2085 of 19 November 2021 establishing the Joint Undertakings under Horizon Europe (SBA) HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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MSCA COFUND 2025

General Info

Topic ID : HORIZON-MSCA-2025-COFUND-01-01

Summary : MSCA COFUND 2025 **Status :** Open

Deadline model : single-stage **Deadline :** 2025-06-24T00:00:00.000+0200 **Start Date :** 2025-01-23T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-MSCA-2025-COFUND-01-01>

Description

Expected Outcome: Projects results are expected to contribute to the following outcomes: For supported doctoral candidates or postdoctoral researchers Deeper and more diverse set of research-related and transferable skills and competences; Improved employability and career prospects both within academia and beyond; New mind-sets and approaches to R&I work forged through international, inter-sectoral and interdisciplinary experience; Enhanced networking and communication capacities with scientific peers, as well as with the general public that will increase and broaden the research and innovation impact. For participating organisations Enhanced quality and sustainability of research training; Increased global attractiveness, visibility and reputation of the participating organisation(s); Stronger R&I capacity and output among participating organisations; Increased contribution of the participating organisations to the local, regional and/or national socio-economic ecosystems; Regular feedback of research results into teaching and education at participating organisations. **Scope:** Applicants submit proposals for new or existing doctoral or postdoctoral programmes with an impact on the enhancement of human resources in R&I at regional, national or international level.

These programmes will be co-funded by MSCA COFUND. Proposed programmes can cover any research disciplines ("bottom-up"), but exceptionally can also focus on specific disciplines, notably when they are based on national or regional Research and Innovation Strategies for Smart Specialisation (RIS3 strategies). In this case, the range of covered disciplines should allow reasonable flexibility for the researchers to define their topic. Funding synergies with Cohesion policy funds and the Recovery and Resilience Facility (RRF) are strongly encouraged [1] , [2] . A Career Development Plan must be jointly established by the supervisor and each recruited researcher upon recruitment. In addition to research objectives, this Plan comprises the researcher's training and career needs, including training on transferable skills, teaching, planning for publications and participation in conferences and events aimed at opening science and research to citizens. The Plan must be established at the beginning of the recruitment and should be revised (and updated where needed) within 18 months. COFUND takes the form of: A) Doctoral programmes Doctoral programmes offer research training activities to allow doctoral candidates to develop and broaden their skills and competences. They will lead to the award of a doctoral degree in at least one EU Member State or Horizon Europe Associated Country. The training activities should be based on the EU Principles on Innovative Doctoral Training . Substantial training modules, including digital ones, addressing key transferable skills and competences common to all fields, fostering good scientific conduct such as research integrity, and fostering the culture of Open Science, innovation and entrepreneurship will be supported. They will include, inter alia , training on the use of collaborative tools and approaches, opening access to publications and to other research outputs including data, FAIR data management, societal engagement and citizen science. On top of compulsory international mobility, applicants are encouraged to include elements of cross-sectoral mobility and interdisciplinarity into their programmes. Collaboration with a wider set of associated partners, including from the non-academic sector, will be positively taken into account during the evaluation. These organisations may provide hosting or secondment opportunities or training modules in research or transferable skills. Particular attention is paid to the quality of supervision and mentoring arrangements as well as career guidance. The selection procedure for doctoral candidates must be open, transparent and merit-based, in line with the Code of Conduct for the Recruitment of Researchers. The vacancy notice (to be widely advertised internationally, including on the EURAXESS [3] website) must mention if the published rates include all employer and employee's taxes and contributions. If possible, the gross salary (net salary + employee's taxes and contributions) should be published. B) Postdoctoral Programmes Postdoctoral Programmes fund individual advanced research training and career development fellowships for postdoctoral researchers. The programmes should offer training to develop key transferable skills and competences common to all fields, foster good scientific conduct such as research integrity, foster innovation and entrepreneurship and promote and (where appropriate) reward Open Science practices (open access to publications and to other research outputs including data, FAIR data management, societal engagement and citizen science, etc.). Postdoctoral Programmes should have regular selection rounds following fixed deadlines or regular cut-off dates, allowing fair competition between researchers. The selection procedure for postdoctoral candidates must be open, competitive, merit-based and with a transparent international peer review, in line with the Code of Conduct for the Recruitment of Researchers. The vacancy notice (to be widely advertised internationally, including on the EURAXESS website) must mention if the published rates include all employer and employee's taxes and contributions. If possible, the gross salary (net salary + employee's taxes and contributions) should be published. On top of compulsory international mobility, applicants are encouraged to include elements of cross-sectoral mobility and interdisciplinarity into their programmes. Researchers will be able to freely choose a research topic and the appropriate organisation to host them, fitting their individual needs. [1] <https://ec.europa.eu/research/regions/index.cfm?pg=synergies> [2] The Recovery and Resilience Facility supports reforms and investments undertaken by Member States. The aim is to mitigate the economic and social impact of the coronavirus pandemic and make European economies and societies more sustainable, resilient and better prepared for the challenges and opportunities of the green and digital transitions. [3] <https://euraxess.ec.europa.eu/>

Conditions

General conditions General conditions

1. Admissibility conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes Proposal page limits and layout: described in Part B of the Application Form available in the Submission System
2. Eligible countries: described in Annex B of the Work Programme General Annexes A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other eligibility conditions: described in Annex B of the Work Programme General Annexes
4. Financial and operational capacity and exclusion: described in Annex C of the Work Programme General Annexes Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes

5. Legal and financial set-up of the grants: described in Annex G of the Work Programme General Annexes Specific conditions
6. Specific conditions: described in the MSCA part of the Work Programme Documents Call documents: Standard application form — call-specific application form is available in the Submission System Standard application form (HE MSCA COFUND) Standard evaluation form — will be used with the necessary adaptations Standard evaluation form (HE MSCA) MGA HE Unit MGA v1.0 Call-specific instructions MSCA COFUND 2025 Guide for Applicants Additional documents: HE Main Work Programme 2023–2024 – 1. General Introduction HE Main Work Programme 2023–2024 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2024 – 13. General Annexes HE Programme Guide HE Specific Programme Decision 2021/764 EU Financial Regulation Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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MSCA Staff Exchanges 2025

General Info

Topic ID : HORIZON-MSCA-2025-SE-01-01

Summary : MSCA Staff Exchanges 2025 **Status :** Open

Deadline model : single-stage **Deadline :** 2025-10-08T00:00:00.000+0200 **Start Date :** 2025-03-27T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-MSCA-2025-SE-01-01>

Description

Expected Outcome: Project results are expected to contribute to the following outcomes: For staff members Increased set of research and transferable skills and competences, leading to improved employability and career prospects within and outside academia; More knowledge and innovative ideas converted into products, processes and services; More entrepreneurial mind-sets, testing new and innovative ideas; Increased international exposure leading to extended networks and opportunities; Enhanced networking and communication capacities with scientific peers, as well as with the general public that will increase and broaden the research and innovation impact. For participating organisations Innovative ways of cooperation and transfer of knowledge between sectors and disciplines; Strengthened and broader international, inter-sectoral and interdisciplinary collaborative networks; Boosted R&I capacity. Scope: MSCA Staff Exchanges involve organisations from the academic and non-academic sectors (including SMEs) from across the globe. Support is provided for international, inter-sectoral and interdisciplinary mobility of R&I staff leading to knowledge transfer between participating organisations. Mobility through secondments The organisations constituting the partnership contribute directly to the implementation of a joint R&I project by seconding and/or hosting eligible staff members. Such a project must explore activities that can be based on previous work but should go beyond and generate or strengthen long-term collaborations. Secondments must involve physical mobility [1] of the eligible staff members and must always take place between legal entities independent from each other. MSCA Staff Exchanges can address three dimensions of mobility: international, inter-sectoral and interdisciplinary [2] . While exchanges between organisations within EU Member States and Horizon Europe Associated Countries should mainly be inter-sectoral, same-sector exchanges [3] are also possible under the condition that they are interdisciplinary. Interdisciplinarity is not required for same-sector exchanges with non-associated Third Countries. Secondments between institutions established

in non-associated Third Countries or within the same EU Member State or Horizon Europe Associated Country are not eligible. The collaborative approach of MSCA Staff Exchanges should exploit complementary competences of the participating organisations and create synergies between them. The secondments should be essential to achieve the joint project's R&I activities. The project should inter alia enable networking activities and the organisation of workshops and conferences, to facilitate sharing of knowledge and testing of innovative approaches for specific R&I topics. Skills' development For participating staff members, the project should offer new skills acquisition and career development perspectives. Participating organisations must ensure that the seconded staff are adequately mentored. [1] Virtual mobility is not allowed for secondments. [2] Interdisciplinarity means the integration of information, data, techniques, tools, perspectives, concepts or theories from two or more scientific disciplines (see definitions at the end of this Work Programme part). [3] See specific conditions at the end of this Work Programme part.

Conditions

General conditions

1. Admissibility Conditions: Proposal page limit and layout described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide .
3. Other Eligible Conditions described in Annex B of the Work Programme General Annexes.
4. Financial and operational capacity and exclusion described in Annex C of the Work Programme General Annexes.
5a. Evaluation and award: Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes. 5b. Evaluation and award: Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in Annex F of the Work Programme General Annexes.
5. Legal and financial set-up of the grants described in Annex G of the Work Programme General Annexes. Specific conditions described in the [specific topic of the Work Programme] Application and evaluation forms and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System Standard application form (HE MSCA SE) Evaluation form templates — will be used with the necessary adaptations Standard evaluation form (HE MSCA) Guidance HE Programme Guide Model Grant Agreements (MGA) HE MGA HE Unit MGA Call-specific instructions HE MSCA SE Guide for Applicants Additional documents: HE Main Work Programme 2023–2025 – 1. General Introduction HE Main Work Programme 2023–2025 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Preparatory work for counselling structures to support mobile migrant labour

General Info

Topic ID : PPPA-2025-COUNSEL

Summary : Preparatory work for counselling structures to support mobile migrant labour **Status :** Open

Deadline model : single-stage **Deadline** : 2025-05-27T00:00:00.000+0200 **Start Date** : 2025-03-25T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/PPPA-2025-COUNSEL>

Description

Expected Outcome: The general objective of this call for proposals is contributing to the implementation of the key EPSR principles in posting and temporary cross-border mobility of third-country nationals. The objectives are twofold, i.e. firstly the action is designed to carry out research the situation of mobile migrant labour and the impact of assisting counselling structures on the target groups. The analysis needs to include monitoring and evaluation of existing counselling structures in countries of origin and countries of destination, as well as interviews with experts at national and European level. Special focus is to be placed on risk sectors such as international road transport, seasonal work in the hospitality sector and agriculture, the construction sector and the increasing group of posted third-country nationals. The sector-specific needs for counselling and support for the target groups shall be identified and determined. Secondly, action supports the running of a trade union-related transnational counselling network for short-term mobile migrant workers in at least 7 countries. To ensure the representativeness of the monitoring and allow for the evaluation to formulate operational recommendations, this network shall include at least 1 (maximum 3) candidate countries or other third countries. The establishment of new counselling centres is to be supported by targeted capacity building measures.

Scope: The results of the action encompass an analysis of the situation and challenges experienced by mobile migrant labour in risk sectors and posted third-country nationals in the European labour market, to be concretely addressed in parallel through the practical implementation and expansion of a transnational counselling network. In addition, an evaluation of the existing counselling services for the target groups and a mapping of the (sector-specific) needs for counselling services should be developed. Based on the findings of the study, recommendations shall be formulated for the preparation of a dedicated initiative for the long-term funding and establishment of a European counselling network for mobile migrant labour.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain: - Application Form (Part A) - Application Form (Part B) - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH).
2. **Eligible Countries** EU Member States (including overseas countries and territories (OCTs), Norway and Iceland, EU candidate countries and potential EU candidate countries
3. **Other Eligible Conditions** Described in the call document .
4. **Financial and operational capacity and exclusion** Described in the call document . 5a. **Evaluation and award:** Submission and evaluation processes Described in the call document . 5b. **Evaluation and award:** Award criteria, scoring and thresholds The award criteria for this call are described in the call document - page 15. 5c. **Evaluation and award:** Indicative timeline for evaluation and grant agreement Timetable and deadlines (indicative): Call opening: 25 March 2025 Deadline for submission: 27 May 2025 – 17:00:00 CET (Brussels) Evaluation: June - August 2025 Information on evaluation results: September 2025 GA signature: December 2025 – January 2026
5. **Legal and financial set-up of the grants** Described in the call document . Call document and annexes: Call document https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/pppa/wp-call/2025/call-fiche_pppa-2025-counsel_en.pdf Application form templates The application form specific to this call is available in the Submission System Model Grant Agreements (MGA) PPPA MGA mga_pppa_en.pdf Additional documents: Pilot Projects and Preparation Actions (PPPA) | EU Funding & Tenders Portal Reference Documents | EU Funding & Tenders Portal EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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EIC Accelerator 2025 - Short application

General Info

Topic ID : HORIZON-EIC-2025-ACCELERATOR-01

Summary : EIC Accelerator 2025 - Short application **Status :** Open

Deadline model : single-stage **Deadline :** 2025-12-18T00:00:00.000+0100 **Start Date :** 2024-10-29T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-ACCELERATOR-01>

Description

Scope: The EIC Accelerator supports companies (principally SMEs, including start-ups) to scale up high impact innovations with the potential to create new markets or disrupt existing ones. The EIC Accelerator provides a unique combination of funding from EUR 0.5 to EUR 12.5 million and Business Acceleration Services (see Section VI of the EIC Work Programme 2025). The EIC Accelerator focuses in particular on innovations building on scientific discovery or technological breakthroughs ('deep tech') and where significant funding is needed over a long timeframe before returns can be generated ('patient capital'). Such innovations often struggle to attract financing because the risks and time period involved are too high. Funding and support from the EIC Accelerator is designed to enable such innovators to attract the full investment amounts needed for scale up in a shorter timeframe. The EIC Accelerator supports the later stages of technology development as well as scale up. The technology component of your innovation must therefore have been tested and validated in a laboratory and other relevant environment (e.g., at least Technology Readiness Level 5). The EIC Accelerator looks to support companies where the EIC support will act as a catalyst to crowd in other investors necessary for the scale up of the innovation. Applicants to EIC Accelerator can submit proposals through the following topics: EIC Accelerator Open , which has no predefined thematic priorities and is open to proposals in any field of technology or application; EIC Accelerator Challenges in predefined areas of emerging and strategic technologies For further information please see the EIC Work Programme 2025 .

Conditions

General conditions

1. **Admissibility Conditions:** To be an eligible applicant to EIC Accelerator, you must apply as one of the following eligible entities: a single company classified as a SME, and established within a Member State or an Associated Country (see Annex 2 of the EIC Work Programme 2025); or a single company classified as a small mid-cap (up to 499 employees) established in a Member State or an Associated Country, but only for exceptional cases for rapid scale up purposes; or one or more natural persons (including individual entrepreneurs) or legal entities, which are either: a. from a Member State or an Associated Country intending to establish an SME or small mid-cap (as defined above) in a Member State or Associated Country by the time of signing the EIC Accelerator grant agreement or, in case the equity only is awarded, at the latest at the date of signature of the agreement on its investment component; b. intending to invest in an SME or small mid-cap established in a Member State or an Associated Country and may submit a proposal on behalf of that SME or small mid-cap, provided that a prior agreement exists with the company. The grant agreement and/or the investment agreement will be signed with the beneficiary/final recipient of funding company only; or c. from a non-associated third country intending to establish an SME (including start-ups) or to relocate an existing SME to a Member State or an Associated Country. Your company must prove its effective establishment in a Member State or an Associated Country at the time of

submission of the full proposal. The standard admissibility and eligibility conditions are detailed in Annex 2 of the EIC Work Programme 2025 . There are limitations on the number of times you can submit a proposal described in the section Application submission limits of the EIC Work Programme 2025 . If you are currently a participant in an eligible project funded by Horizon Europe or Horizon 2020 then you may be able to apply through your existing project under the Fast Track scheme (see Annex 3 of the EIC Work Programme 2025). This scheme is managed by the funding body responsible for the existing project and applies to funding bodies listed in Annex 3 of the EIC Work Programme 2025. Applicants may also be able to apply if they have a project financed by an eligible programme managed by a Member State or an Associated Country under the pilot Plug-in scheme. The Plug-in scheme to apply to the EIC Accelerator is detailed in Annex 4 of the EIC Work Programme 2025 .

Proposal page limits and layout: described in Part B of the Application Form available in the Submission System

The application process consists of a number of steps: Submission of short proposals Applications may be submitted at any time via the Funding and Tender Opportunities Portal (as from the 29 October 2025). Short applications will be batched and sent for evaluation the first Tuesday of every month. From the date of the batching, you will be informed within approximately 4-6 weeks, and you will receive the evaluation result of your short proposal specifying whether or not your proposal met the admissibility, eligibility and award criteria evaluation elements and can therefore proceed to submit a full proposal. In both cases, you will receive feedback from the assigned four expert evaluators. Submission of full proposals If your short proposal is successful, then you will be entitled to receive coaching support to prepare a full proposal from one of the business coaches from the EIC Business Acceleration Services. You can only receive this support once for a proposal. The optional coaching support is designed to improve the value proposition, business plan and investor pitch. However, it is your decision how to respond to the feedback and support, and the content of your proposal is your sole responsibility. If you succeeded with your short application under the 2025 Work programme, your full proposal can be submitted to any of the following cut-offs during 2025, and any of the cut-offs for 2026. Applicants who succeeded with a positive evaluation of their short proposal under the 2023 or 2024 EIC Work Programme may apply to any of the following cut-offs in 2025. You may decide which cut-off to apply to. The two cut-off dates for 2025 are: March 12 October 1 The cut-off dates for 2026 will be announced in the 2026 Work Programme due to be adopted in Autumn 2025. The applicants that are eligible to apply for a full proposal will receive the links to the submission environment and will be able to submit the full proposal for the following topics: EIC Accelerator Open , which has no predefined thematic priorities and is open to proposals in any field of technology or application; If an application falls within the scope of the Challenges topics below, grant funding is subject to eligibility in accordance with the specific conditions applicable to those topics: GenAI4EU: Creating European Champions in Generative AI (Section IV.2.3 of the EIC Work Programme 2025) Innovative in-space servicing, operations, space-based robotics and technologies for resilient EU space infrastructure (Section IV.2.4 of the EIC Work Programme 2025) EIC Accelerator Challenges in the following predefined areas of emerging and strategic technologies: Challenge 01 - Acceleration of advanced materials development and upscaling along the value chain Challenge 02 - Biotechnology driven low emission food production systems Challenge 03 - GenAI4EU: Creating European Champions in Generative AI Challenge 04 - Innovative in-space servicing, operations, space-based robotics and technologies for resilient EU space infrastructure Challenge 05 - Breakthrough innovations for future mobility Once you submit your full proposal, it will be assessed remotely against award criteria evaluation elements by three EIC expert evaluators. Within approximately eight-nine weeks you will be informed about the result of the remote evaluation. If successful, you will be invited to attend an interview with an EIC Jury. Interviews with an EIC Jury All companies receiving a GO from the remote evaluation stage will be invited to an interview with an EIC jury in Brussels as the final step in the selection process. Interviews will be organised approximately three to four weeks after applicants are informed of the result of the remote evaluation (or longer if there is a need for a further set of interviews). At the interview, you will be assessed by a panel of maximum six jury members. You will be informed about the result of the interview within approximately two-three weeks. Expenses incurred by applicants attending the in-person interviews will not be reimbursed. Invitation to negotiate grant component and due diligence process for investment component If selected for (potential) funding, you will be invited to negotiate a grant agreement for the requested grant component (if you have applied for it) and to start the due diligence for the investment component (if you have applied for it). For further information please see the EIC Work Programme 2025 .

2. Eligible Countries described in Annex 2(B. Eligibility) of the EIC Work Programme 2025 . Applicants from the United Kingdom can apply to the EIC Accelerator, but can only request and receive funding in the form of “grant only”.
3. Other Eligible Conditions described in Annex 2(General conditions for proposals) of the EIC Work Programme 2025 .
4. Financial and operational capacity and exclusion described in Annex 2(C. Financial and Operational Capacity) of the EIC Work Programme 2025 . 5a. Evaluation and award: Award criteria, scoring and thresholds described in section IV of the EIC Work Programme 2025 . 5b. Evaluation and award: Submission and evaluation processes described in section IV of the EIC Work Programme 2025 . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section IV of the EIC Work Programme 2025 .

5. Legal and financial set-up of the grants described in Annex G of the HE Main Work Programme 2023–2025 – 13. General Annexes . Specific conditions described in Section IV.1, Section IV.2.3 and Section IV.2.4 of the EIC Work Programme 2025 . Call Documents EIC Work Programme 2025 Application form and model grant agreement (MGA): Application form templates — the application form specific to this call is available in the Submission System Standard application form (HE EIC Accelerator stage 1 - short proposal) Guidance HE Programme Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Information on clinical studies (HE) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Main Work Programme 2023–2025 – 13. General Annexes HE Programme Guide EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support for social dialogue

General Info

Topic ID : SOCPL-2025-SOC-DIALOG

Summary : Support for social dialogue **Status :** Open

Deadline model : single-stage **Deadline :** 2025-07-10T00:00:00.000+0200 **Start Date :** 2025-04-10T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/SOCPL-2025-SOC-DIALOG>

Description

Expected Outcome: This call relates to Principle 8 of the European Pillar of Social Rights “Social dialogue and involvement of workers”, particularly its paragraph (c): “Support for increased capacity of social partners to promote social dialogue shall be encouraged.” It aims at contributing to the promotion of social dialogue at cross-industry and sectoral level, developing European social dialogue, and building and strengthening the capacity of social partner organisations (both in Member States and candidate countries). **Scope:** Key expected results include: (a) increased awareness of European social dialogue; (b) development of European social dialogue at the sectoral and cross-industry levels; (c) improved capacity of social partners, including in candidate countries. These should result in a strengthened EU level social dialogue.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout As described in the call document . Applications must be submitted before the call deadline and electronically via the Funding & Tenders Portal Electronic Submission System. Paper submissions are NOT possible. Applications (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System. Applications must be complete and contain: - Application Form (Part A) - Application Form (Part B) - Annexes and supporting documents (to be uploaded as PDF files). At proposal submission, the lead applicant will have to confirm that it has the mandate to act for all applicants; that the information in the application is correct and complete and that the participants comply with the conditions for receiving EU funding (especially eligibility, financial and operational capacity, exclusion, etc.) Before signing the grant, each beneficiary and affiliated entity will have to confirm this again by signing a declaration of honour (DoH). Applications must be readable, accessible and printable, not exceeding 70 pages.

2. Eligible Countries As described in the call document . EU Member States and in some cases from the European Economic Area (EEA) countries, in accordance with the EEA Agreement.
3. Other Eligible Conditions As described in the call document .
4. Financial and operational capacity and exclusion As described in the call document . 5a. Evaluation and award: Submission and evaluation processes As described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds The award criteria for this call are described in the call document - page 17. 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Call opening: 10 April 2025 Deadline for submission: 10 July 2025 – 17:00:00 CET (Brussels) Evaluation: July – December 2025 Information on evaluation results: January 2026 GA signature: March 2026
5. Legal and financial set-up of the grants As described in the call document . Call document and annexes: Call document https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/socpl/wp-call/2025/call-fiche_socpl-2025-soc-dialog_en.pdf Annex to the call document: Letter of commitment <https://ec.europa.eu/social/BlobServlet?docId=27244&langId=en> Application form templates Standard application form (ESF and SOCPL) — the application form specific to this call is available in the Submission System ESF and SOCPL MGA Additional documents: SOCPL Work Programmes EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support for the revision of the guidance document on terrestrial ecotoxicology (SANCO/10329/2002) including the development of an approach for indirect effects

General Info

Topic ID : EUBA-2024-PLANTS-04

Summary : Support for the revision of the guidance document on terrestrial ecotoxicology (SANCO/10329/2002) including the development of an approach for indirect effects **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-01-30T00:00:00.000+0100 **Start Date :** 2024-10-31T00:00:00.000+0100

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/EUBA-2024-PLANTS-04>

Description

Objective: The objective of the call is to identify partners among Competent Organisations of Art. 36 of Regulation (EC) No 178/2002 which can support EFSA Working Group in addressing the mandate on the revision of Terrestrial Ecotoxicology Guidance Document (SANCO/10329/2002) for plant protection products and the mandate for developing an approach to assess potential indirect effects of pesticides on biodiversity via trophic interactions under agro-environmental conditions in the context of the Regulation (EC) No 1107/2009.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout

2. Eligibility criteria: as described in section 2.2 of the call for proposals document
3. Eligible Countries
4. Eligibility criteria: as described in section 2.2 of the call for proposals document. o be eligible, applicants must be on the list of competent organisations designated by the Member States in accordance with Article 36 of Regulation (EC) 178/2002 and Commission Regulation (EC) 2230/2004. This list is regularly updated by EFSA Management Board and is available for consultation using this link <https://efsa.force.com/competentorganisations/s/>
5. Other Eligible Conditions
6. Other eligibility conditions as described in section 2.2 of the call for proposals document
7. Financial and operational capacity and exclusion
8. Operational capacity: as described in section 2.4 of the call for proposals document 5a. Evaluation and award: Submission and evaluation processes 5a. Submission modalities: as described in section 3 of the call for proposals document 5b. Evaluation and award: Award criteria, scoring and thresholds 5b. Award criteria: as described in section 2.5 of the call for proposals document 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement 5c.described in section 'Indicative procedure timetable' page 2 of the call for proposals document
9. Legal and financial set-up of the grants 6.described in section 1.5 of the call for proposals document and in the Draft Grant agreement Call documents Call for proposals Annex 1a. Draft FPA Agreement Annex 1b. Draft Specific Agreement Clarification 1 Clarification 2 Clarification 3 Corrigendum 1 Additional documents EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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European Film sales agent

General Info

Topic ID : CREA-MEDIA-2025-FILMSALES

Summary : European Film sales agent **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-06-19T00:00:00.000+0200 **Start Date :** 2025-04-29T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/CREA-MEDIA-2025-FILMSALES>

Description

Expected Outcome: Expected results: Improvement in the trans-national distribution of recent non-national European films. Increase in the investment in the production, acquisition, promotion, theatrical and online distribution of non-national European films. Develop links between the production and distribution sector thus improving the competitive position of non-national European films. **Description of the activities:** There are two phases for the funded activities:

1. The generation of a potential fund which will be attributed according to the performance of the company on the European market.
2. The implementation of the action - the potential fund thus generated by each company must be reinvested in: - minimum guarantees or advances paid for the international sales rights on eligible non-national European films; - the promotion, marketing and advertising on the market of eligible non-national European films.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in the call document .
3. Other Eligible Conditions described in the call document .
4. Financial and operational capacity and exclusion described in the call document . 5a. Evaluation and award: Submission and evaluation processes described in the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds described in the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in the call document . Publication of the call: DECEMBER, 3 2024. Deadline for submitting applications: JUNE, 19 2025 17:00 (Brussels time). Evaluation period: JULY - OCTOBER 2025. Information to applicants: DECEMBER 2025. Signature of grant agreement: MARCH 2026.
5. Legal and financial set-up of the grants described in the call document . Call document and annexes: Call document Application form templates Standard application form (CREA MEDIA) — the application form specific to this call is available in the Submission System List of films (CREA MEDIA FILMSALES) Declaration on independence and ownership (CREA MEDIA) Other mandatory annex to be attached to the proposal: PDF with information about film(s)/work(s) generated from the Creative Europe MEDIA Database Official box office evidence to be provided as an annex to proposal (in case the eligible film is not available in the Creative Europe Media Database). Model Grant Agreements (MGA) CREA MGA Additional documents: CREA Annual Work Programmes CREA Regulation 2021/818 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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EIC Transition Open

General Info

Topic ID : HORIZON-EIC-2025-TRANSITIONOPEN

Summary : EIC Transition Open Status : Forthcoming

Deadline model : single-stage Deadline : 2025-09-17T00:00:00.000+0200 Start Date : 2025-04-22T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-TRANSITIONOPEN>

Description

Scope: EIC Transition funds innovation activities that go beyond the experimental proof of principle in laboratory. It supports both the maturation and validation of your novel technology from the lab to the relevant application environments (by making use of prototyping, formulation, models, user testing or other validation tests) as well as explorations and development of a sustainable business case and business model towards commercialisation. Your proposed activities must include further technology development on the results achieved in a previous project and follow user-centric methodologies to increase chances of the innovation’s future success in the market. EIC Transition projects should address, in a balanced way, both technology and market/business development, possibly including iterative learning processes based on early customer or user feedback. These activities should include, subject to the level of maturity of the technology, a suitable mix of technology development and validation activities to increase the maturity of the technology beyond proof of concept to viable demonstrators of the technology in the intended field of application

(i.e., from TRL 4 up to Technology Readiness Level 5 to 6). The activities must in all cases address market readiness towards commercialisation and deployment (market research, value proposition, business case and business model, prospects for growth, intellectual property protection, competitor analysis etc.) and aspects of regulation, certification and standardisation (if relevant), aimed at getting both the technology and the business idea investment ready. More information can be found in the EIC WP 2025.

Conditions

General conditions

1. **Admissibility Conditions: Proposal page limit and layout** Your proposal must build on results (at least experimental proof of concept TRL 3, ideally technology validated in the lab TRL 4) already achieved within an eligible project. You can apply for EIC Transition either as:
 - A single legal entity established in a Member State or an Associated Country (‘mono-beneficiary’)
 - A small consortium of two independent legal entities from two different Member States or Associated Countries or
 - A consortium of minimum three and maximum five independent legal entities (‘multi-beneficiary’) following standard rules i.e. must include at least one legal entity established in a Member State and at least two other independent legal entities, each established in different Member States or Associated Countries. The legal entities may for example be a start-up, an SME or research performing organisation (university, research or technology organisation, including teams, individual Principal Investigators and inventors in such institutions who intend to form a spinout company). The standard admissibility and eligibility conditions as well as the eligibility of applicants from third countries are detailed in Annex 2 of the EIC Work Programme 2025 . Proposal page limits and layout: Described in Part B of the Application Form available in the Submission System. Sections 1 to 3 and the cover page (that includes the information about the related project on which the current EIC Transition proposal is built on) of the part B of your proposal, corresponding respectively to the evaluation criteria Excellence, Impact, and Quality and Efficiency of the Implementation, must consist of a maximum of 22 A4 pages. Excess pages will be automatically made invisible, and will not be taken into consideration by the evaluators. Please also consult Annex 2 of the EIC Work Programme 2025 .
2. **Eligible Countries** described in Annex B of the Work Programme General Annexes. A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide . The eligibility of applicants from third countries is explained in Annex 2 of the EIC Work Programme 2024.
3. **Other Eligible Conditions** The EIC Transition is restricted to proposals based on results generated by the eligible projects described in the EIC Work Programme 2025 .
4. **Financial and operational capacity and exclusion** Described in Annex 2 of the EIC Work Programme 2025 . 5a. Evaluation and award: Award criteria, scoring and thresholds Described in section III of the EIC Work Programme 2025 . 5b. Evaluation and award: Submission and evaluation processes Described in section III of the EIC Work Programme 2025 and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section III of the EIC Work Programme 2025 .
5. **Legal and financial set-up of the grants** Please refer to the Model Grant Agreement (MGA) used for EIC actions under Horizon Europe. Specific conditions described in the EIC Work Programme 2025 Call documents EIC Work Programme 2025 Frequently Asked Questions (FAQs) Standard application form (will be made available in the submission workflow). Do not use previous years' template versions as this may lead to incomplete applications. Standard evaluation form (HE EIC TRANSITION) Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Information on clinical studies (HE) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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ERA Fellowships

General Info

Topic ID : HORIZON-WIDERA-2025-TALENTS-01-01

Summary : ERA Fellowships **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-10T00:00:00.000+0200 **Start Date :** 2025-04-09T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-WIDERA-2025-TALENTS-01-01>

Description

Expected Outcome: This action builds on the MSCA Postdoctoral Fellowships 2025 action (HORIZON-MSCA-PF-2025). The target group are host organisations located in Widening Countries. Project results are expected to contribute to the following outcomes : For supported ERA Fellows: Increased set of research and transferable skills and competences, leading to improved employability and career prospects of fellows within academia and beyond; New mind-sets and approaches to R&I work forged through international, inter-sectoral and interdisciplinary experience; Enhanced networking and communication capacities with scientific peers, as well as with the general public, that will increase and broaden the research and innovation impact; For participating organisations in the Widening Countries: Increased alignment of working conditions for researchers in accordance with the principles set out in the European Charter for Researchers [1] ; Enhanced quality and sustainability of research training and supervision; Increased global attractiveness, visibility and reputation of the participating organisation(s); Stronger R&I capacity and output among participating organisations; better transfer of knowledge; Regular feedback of research results into teaching and education at participating organisations. For Widening countries: Increased attractiveness for researchers to entities in Widening countries, by providing competitive grants and spreading attractive working and employment practices; More postdoctoral researchers attracted to Widening countries. Scope: Fellowships should be provided to excellent researchers, undertaking cross-border mobility. Applications must be made jointly by the researcher together with a legal entity in the academic or non-academic sector located in a Widening Country. ERA Fellowships should take place in a Widening Country. Fellowships are open to researchers of any nationality who wish to engage in R&I projects by either coming to the EU from any country in the world or moving within the EU to a Widening Country. In order to apply for the ERA Fellowships call, applicants must submit their proposal to the Marie Skłodowska-Curie actions (MSCA) Postdoctoral Fellowships 2025 [2] . To be eligible to this call the host organisation must be located in an eligible Widening country. The application to the (MSCA) Postdoctoral Fellowships 2025 will be automatically resubmitted to this call in case the proposal fails to reach an adequate place in the ranking to be funded. This simplified submission procedure to the ERA Fellowships call presents applicants moving to Widening countries with an additional funding opportunity but there is the possibility to opt out during the application stage. The proposals submitted under the ERA Fellowships must fulfil all the admissibility and eligibility conditions of the MSCA Postdoctoral Fellowships 2025 and pass all the thresholds for that call. ERA Fellowships will be implemented applying the award criteria, scoring and threshold for Marie Skłodowska-Curie actions. The ranking order for the ERA Fellowships call will follow the MSCA Postdoctoral Fellowships 2025 call scores and evaluation procedure and proposals will also retain the scores and comments included in the Evaluation Summary Report (ESR) of this call. The MSCA Postdoctoral Fellowships 2025 model grant agreement will be used to the ERA Fellowships. Secondments Researchers receiving an ERA Fellowship may opt to include a secondment phase, within the overall duration of their fellowship in any country worldwide. The secondment phase can be a single period or be divided into shorter mobility periods. Secondments cannot exceed one third of the standard fellowship duration and should be in line with the project objectives, adding significant value and impact to the fellowship. Placements in the non-academic sector ERA Fellowships can provide an additional period of up to six months to support researchers opting for a placement at the end of the project to work on R&I projects in an organisation from the non-academic sector established in an EU Member State or Horizon Europe Associated Country. While this possibility is also available to fellows recruited in the non-academic sector, such a placement should be implemented at a different non-academic host organisation established in an EU Member State or Horizon Europe Associated Country. The request for such a non-academic placement should be an integral part of the proposal, explaining the added value for the project and for the career development of the researcher, and will be subject to evaluation. This incentive aims at promoting career moves between sectors and organisations and thereby stimulate innovation and knowledge transfer while expanding career opportunities for researchers. Training activities The training activities implemented under the

ERA Fellowships should include training for key transferable skills [3] , foster innovation and entrepreneurship, (e.g., commercialisation of results, Intellectual Property Rights, communication, public engagement and citizen science), foster good scientific conduct such as research integrity and promote Open Science practices (open access to publications and to other research outputs, including data, FAIR data management, societal engagement and citizen science, etc.). Career Development Plan In order to equip ERA Fellows with skills that enhance and expand their career opportunities inside and outside academia, a Career Development Plan should be established jointly by the supervisor(s) and the researcher. In addition to research objectives, this plan should comprise the researcher's training and career needs, including training on transferable skills, teaching, planning for publications and participation in conferences and events aiming at opening science and research to citizens. The Plan has to be submitted as a project deliverable at the beginning of the action and can be updated when needed. [1] Charter for Researchers, annexed to the Council recommendation C/2023/1640 of 18 December 2023 on a European framework to attract and retain research, innovation and entrepreneurial talents in Europe (OJ C, C/2023/1640, 29.12.2023), https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:C_202301640. [2] specifically to Topic HORIZON-MSCA-2025-PF-01-01, TMA Postdoctoral Fellowships - European Fellowships [3] As an illustration, Eurodoc published a list of such transferable skills at: <http://eurodoc.net/skills-report-2018.pdf>

Conditions

General conditions To be eligible to this call the host organisation must be located in an eligible Widening country. The proposals submitted under the ERA Fellowships must fulfil all the admissibility and eligibility conditions of the MSCA Postdoctoral Fellowships 2025 and pass all the thresholds for that call. For application of the general award criteria, including weighting and thresholds, see the specific conditions at the end of the MSCA Work Programme part. For admissibility, eligibility criteria, procedure and legal and financial set-up of the Grant Agreement see exceptions and specific conditions for MSCA Postdoctoral Fellowships - European Fellowships in the MSCA Work Programme part. The expected EU contribution depends on the number of person-months requested. For the applicable unit contributions, see specific conditions for MSCA Postdoctoral Fellowships - European Fellowships in the MSCA Work Programme part. The part of the MSCA Work Programme referring to synergies with the Euratom Research and Training Programme 2021-2025 does not apply to the ERA Fellowships.

Budget Overview

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European Network of Factcheckers

General Info

Topic ID : DIGITAL-2025-BESTUSE-08-FACTCHECKERS

Summary : European Network of Factcheckers **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-BESTUSE-08-FACTCHECKERS>

Description

Expected Outcome: The Network will support activities aiming at increasing fact-checking capacity and coverage across the EU. Such activities will include targeted support for fact-checkers, including collaboration activities, peer-to-peer support as well as relevant technical infrastructure and tools to support their work. Objective: The EU supports the capacity of a multidisciplinary community to understand, monitor and counter disinformation. The objective of this topic is to maintain and further develop a platform supporting the operations of the European Digital Media Observatory (EDMO), as well as deepening the language coverage and operational capacity of fact-checking in Europe. In particular,

the topic will support the operational cooperation between fact-checkers, researchers and media literacy practitioners across the EU through EDMO and support fact-checkers, with the aim to contribute to the fight against disinformation, to gain further insight on disinformation, monitoring of the disinformation space, debunking disinformation through the network of fact-checkers, and increasing the resilience of media professionals and citizens to disinformation. Scope: The scope of this work strand is to strengthen the capacity of the European fact-checking community and making fact-checking available in all languages, building on and further expanding activities initially carried out by European Digital Media Observatory (EDMO) and other European fact-checking initiatives like the European Fact-Checking Standards Network (EFCSN). Activities may also cover candidate and accession countries, associated to the Programme, in view of the specific vulnerabilities to disinformation and Russian interference in this region. Funded activities, including through financial support to third parties, may include items such as: collaboration activities and capacity building for joint investigations; peer-to-peer support from established fact-checking organisations to newly created ones; technical infrastructure / tools supporting the activities of fact-checkers; targeted trainings for fact-checkers and media professionals, with particular emphasis on supporting the emergence of fact-checking in regions and languages that are currently not yet well covered. To enshrine the independence of fact-checkers, activities funded will build on the independence and transparency standards developed by the European Fact-Checking Standards Network (EFCSN). Through this dedicated work strand, fact-checkers capacity to play a vital role in the fight against disinformation will be further developed and supported. The funded activities shall also empower European Fact-Checkers to work hand-in-hand with the European Democracy Shield, ensuring full complementarity.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) DEP MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Network of Safer Internet Centres (SICs)

General Info

Topic ID : DIGITAL-2025-BESTUSE-08-NETWORKSICs

Summary : Network of Safer Internet Centres (SICs) **Status :** Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-BESTUSE-08-NETWORKSICs>

Description

Expected Outcome: Provision of the four key elements required of a Safer Internet Centre, namely: A centre for raising awareness among children, parents/carers, teachers and educators as well as other relevant professionals working with children about online opportunities and risks for the under 18s, producing and promoting localised age-appropriate resources to address current and emerging risks and opportunities. A helpline to give advice and support to parents and children on issues related to children's use of digital technologies and services; to provide assistance on mental health issues relating to the exposure to age-inappropriate content online, including pornographic and violent content; to strengthen support to victims of cyberbullying, close cooperation with the national Child Helpline 116111 service is required. A hotline for tackling the spread of online CSAM (i.e., receiving, analysing, and processing reports of such material). Closer cooperation with law enforcement and the private sector should be further explored in the context of the EU strategy for a more effective fight against child sexual abuse and the proposed Regulation to prevent and combat child sexual abuse and recast of the Directive 2011/93/EU on child sexual abuse. A youth panel to engage directly with children from different demographic groups, including the organisation of regular youth participation activities, allowing them to express their views and pool their knowledge and experience of using online technologies. Adequate turnover, geographic balance and an open selection of participants is required. Objective: The objective of the topic is to continue to support national Safer Internet Centres (SICs), which may be composed of one or more NGOs, government bodies/agencies, and/or private sector organisations. SICs provide online safety information, educational resources, public awareness tools and counselling and reporting services (through dedicated helplines and hotlines) for young people, teachers/educators, and parents/carers. The activities performed by the SICs help minors tackle online risks and become media-literate, resilient, digital citizens. The hotline work strand allows the public to anonymously report suspected online child sexual abuse material (CSAM) for assessment and takedown. The Safer Internet Centres also address the needs of children with specific or special needs, including those with disabilities and those hailing from disadvantaged and vulnerable backgrounds, to ensure no child is left behind. Considering the new role for the Commission as an enforcement body for the Digital Services Act (DSA) and the Digital Services Coordinators (DSCs), the Safer Internet Centres will strategically assist the Commission and cooperate with the DSCs in this role, in particular through data collection in the EU member states. Scope: The funding will ensure the continuation of the well-established European network of national SICs, by enabling the awarded consortia to provide at least: A centre for raising awareness among children, parents/carers, teachers and educators as well as other relevant professionals working with children about online opportunities and risks for the under 18s. The focus will be to identify and address: specific and general known risks (e.g. harmful and illegal content, cyberbullying, age-inappropriate content; sexual extortion, addictive design and manipulation, disinformation); specific and general emerging risks (e.g. new apps, games, online challenges and trends; AI and generative AI, including AI generated pornographic and violent content such as CSAM; virtual, augmented and extended reality; the internet of things and other technological changes raising new social and ethical challenges that impact children); issues such as mental and physical health risks related to the use of technologies (e.g. self-harm, cyberbullying, risky online challenges, promotion of eating disorders, screen addiction, social isolation, exposure to age-inappropriate content online, including pornographic and violent content, and sexual extortion); risks facing children as young consumers (e.g. nudges to spend money, aggressive marketing strategies, lootboxes). A helpline to give advice and support to children and adults around them on issues related to children's use of digital technologies and services; to provide assistance on mental health issues relating to the exposure to age-inappropriate content online, including pornographic and violent content; to strengthen support to victims of cyberbullying, close cooperation with the national Child Helpline 116111 service is required. A hotline for tackling the spread of online CSAM (i.e., receiving, analysing, and processing reports of such material). Closer cooperation with law enforcement and the private sector should be further explored in the context of the EU strategy for a more effective fight against child sexual abuse, proposed Regulation to prevent and combat child sexual abuse and recast of the Directive 2011/93/EU on child sexual abuse. A youth panel to engage directly with children from different demographic groups, including the organisation of regular youth participation activities, allowing them to express their views and pool their knowledge and experience of using online technologies. Adequate turnover, geographic balance and an open selection of participants is required. SICs shall strengthen their support to children in vulnerable situations (such as children with disabilities, children from a minority, racial or ethnic background, refugee children, children in care, LGBTQI+ children, as well as children from a disadvantaged socio-economic background, who all may face additional challenges in the digital environment). For example, to address the digital divide, they should offer non-formal education and training to these groups and communities. In addition, SICs will: support the monitoring of the impact of the digital transformation on children's well-being in cooperation with the BIK platform; support the implementation of relevant EU strategies and legislation;

promote the distribution of relevant online training modules (MOOCs) for teachers; expand the role of BIK Youth Ambassadors and BIK Youth Panels to support peer-to-peer activities at national, regional and local level; provide trustworthy resources for and carry out campaigns targeting children, parents, carers and teachers, educators and other relevant contacts working with children (e.g. sports coaches, club leaders). Training on children’s rights online should also be included in these initiatives to create a stronger awareness that children’s rights online are the same as offline, as stipulated by UN General Comment No. 25 (2021) on children’s rights in relation to the digital environment (CRC/C/GC/25), and as protected under the DSA, as well as awareness of help and reporting resources and pathways; act as a one-stop-shop for reliable and age-appropriate information; provide digital literacy training in formal and informal education settings (e.g., youth participation activities, workshops, classroom visits, competitions, peer to peer activities). support parents, carers, teachers, educators and other professionals working with children to better understand the risks and opportunities of children accessing digital content and services (e.g., information sessions, train the trainers programmes, and online and offline material); identify emerging risks through the helpline service, and communicate this promptly to local, national, and European actors; support access to resources and services by public authorities, including law enforcement agencies, and exchanges with hotline analysts to develop better preventive measures and to remove online child sexual abuse material (CSAM); cooperate with popular platforms and digital services to assist the public, in particular children, when confronted with harmful and illegal content. This will include, but not be limited to, SICs formally recognised as “trusted flaggers” under the DSA.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) DEP MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Sectoral digital skills academies: Digital Skills Academy in GenAI

General Info

Topic ID : DIGITAL-2025-SKILLS-08-GENAI-ACADEMY-STEP

Summary : Sectoral digital skills academies: Digital Skills Academy in GenAI **Status :** Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-SKILLS-08-GENAI-ACADEMY-STEP>

Description

Expected Outcome: Deliverables Comprehensive academic curricula designed across different levels and for different target groups, implemented at European level (curricula encompass complete academic programmes or consist of smaller modules to be injected into larger programmes). Modular short-term training curricula for sector specialists designed and piloted through relevant training courses at regional or local levels, including targeted training for SMEs and public sector. Partnerships and collaboration frameworks established between academia, industry (including SMEs) and research institutions to facilitate and promote the large-scale European-wide roll-out of the academic programmes and short-term trainings. Facilitated joint (practical) educational initiatives and events with industry and research institutions, such as on-the-job experiences in companies' premises, and laboratories, mentorship schemes, internship programmes, summer schools, bootcamps, visits to facilities, career days. Support, integration, and visibility schemes implemented, with particular attention aimed at the participation of female students and female professionals in education and training activities, as well as talented young people from disadvantaged backgrounds and people with disabilities. Training initiatives addressing teaching staff, such as "Teach-the-teacher" training modules targeted at university, VET and secondary-education teachers. Different communication and awareness-raising activities carried out, e.g. through social media, including career orientation activities or "technology deep dive sessions" targeted at secondary education students and the general public. A dedicated landing page integrated in the Digital Skills and Jobs Platform, where all activities, events and initiatives of the academy are disseminated. Reports on the impact of the academies' activities, based on a KPI assessment scheme, and recommendations for policy and investments. Additional deliverables specific to individual academies' activities. Objective: While European AI start-ups, key industrial players and public authorities acknowledge the transformative potential of GenAI, most of these large AI models are currently built outside of the European Union, where companies have easier access to high amounts of computing power, large datasets, and the skills needed to develop and train the underlying algorithms. Furthermore, most EU professionals are still not familiar with the use and impact of this technology in their work environment. Understanding and adopting AI and GenAI technologies is of paramount importance for achieving the digital transformation across the EU. The AI Skills Academy will contribute to the objectives of the AI Innovation package launched in January 2024¹ and support the upcoming Apply AI Strategy part of the Political Guidelines of the President of the European Commission². It will empower undergraduate, graduate, and post-graduate students, as well as current and future sector and ICT specialists in SMEs, startups, and the public sector with basic and advanced skills for developing, deploying and applying AI models and applications in their field. The academy will work in close coordination with and further support the work of the AI Factories. The AI Factories initiative will deploy an AI-focused, tailor-made supercomputing service infrastructure aimed at further developing the innovation capabilities and skills of the AI ecosystem³.¹ Commission launches AI innovation package (europa.eu). Part of the package is the AI Factories initiative. The EU AI Start-Up and Innovation Communication outlines additional key activities, including the GenAI4EU initiative, which aims to boost the uptake of GenAI solutions across key economic sectors in the Union. ² Political Guidelines 2024-2029 | European Commission p.10. ³ The European High Performance Computing Joint Undertaking (EuroHPC JU regulation) regulation will be amendment to set up AI Factories, a new pillar for the EU's supercomputers Joint Undertaking activities. This includes: i) Acquiring, upgrading and operating AI-dedicated supercomputers to enable fast machine learning and training of large General Purpose AI (GPAI) models; ii) Facilitating access to the AI dedicated supercomputers, contributing to the widening of the use of AI to a large number of public and private users, including startups and SMEs; iii) Offering a one-stop shop for startups and innovators, supporting the AI startup and research ecosystem in algorithmic development, testing evaluation and validation of large-scale AI models, providing supercomputer-friendly programming facilities and other AI enabling services; and iv) Enabling the development of a variety of emerging AI applications based on General Purpose AI models. Scope: The AI Skills Academy will set up a one-stop-shop for a range of activities supporting or developing educational and training schemes in two main focus areas: (1) skills related to the AI Factories facilities, complementing the work of the EuroHPC Virtual Training Academy, and (2) skills for the uptake and deployment of AI and, in particular, GenAI in key economic sectors. Under the two above focus areas, the academy will develop and implement learning modules and short-term trainings on AI foundation model development but also AI inference processes, data science, AI and GenAI deployment and the use of supercomputers for AI that can be integrated into academic curricula at various levels and for various target groups. The academy could conduct additional activities on educating the general public on how to use AI and in particular GenAI technologies safely and responsibly¹. The academy will cooperate with existing initiatives, among others, the AI-on-Demand Platform, the Networks of Excellence in AI, the European Digital Innovation Hubs, and all the EuroHPC Factories, including for the use of their services and facilities for the proposed training activities.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table (DEP LSII) Model Grant Agreements (MGA) Lump Sum MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Sectoral digital skills academies: Quantum Skills Digital Academy

General Info

Topic ID : DIGITAL-2025-SKILLS-08-QUANTUM-ACADEMY-STEP

Summary : Sectoral digital skills academies: Quantum Skills Digital Academy **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-02T00:00:00.000+0200 **Start Date :** 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-SKILLS-08-QUANTUM-ACADEMY-STEP>

Description

Expected Outcome: Deliverables Comprehensive academic curricula designed across different levels and for different target groups, implemented at European level (curricula encompass complete academic programmes or consist of smaller modules to be injected into larger programmes). Modular short-term training curricula for sector specialists designed and piloted through relevant training courses at regional or local levels, including targeted training for SMEs and public sector.

Partnerships and collaboration frameworks established between academia, industry (including SMEs) and research institutions to facilitate and promote the large-scale European-wide roll-out of the academic programmes and short-term trainings. Facilitated joint (practical) educational initiatives and events with industry and research institutions, such as on-the-job experiences in companies' premises, and laboratories, mentorship schemes, internship programmes, summer schools, bootcamps, visits to facilities, career days. Support, integration, and visibility schemes implemented, with particular attention aimed at the participation of female students and female professionals in education and training activities, as well as talented young people from disadvantaged backgrounds and people with disabilities. Training initiatives addressing teaching staff, such as "Teach-the-teacher" training modules targeted at university, VET and secondary-education teachers. Different communication and awareness-raising activities carried out, e.g. through social media, including career orientation activities or "technology deep dive sessions" targeted at secondary education students and the general public. A dedicated landing page integrated in the Digital Skills and Jobs Platform, where all activities, events and initiatives of the academy are disseminated. Reports on the impact of the academies' activities, based on a KPI assessment scheme, and recommendations for policy and investments. Additional deliverables specific to individual academies' activities. Objective: Quantum technologies have the potential to accelerate the creation of imminent solutions to global societal challenges and drive economic growth. In order to position the EU as a global leader in the development of quantum technologies and to stimulate their industrial applications, interdisciplinary training is needed, especially for domain professionals who do not necessarily have an education in quantum physics and engineering. The Quantum Digital Skills Academy will serve as a single, central entity providing specialised quantum technologies training and hands on experience at different levels, and will play an important role in contributing to the objectives of the European Declaration on Quantum Technologies in the domain of quantum skills development and training. 1 1 <https://digital-strategy.ec.europa.eu/en/library/european-declaration-quantum-technologies> Scope: The Quantum Digital Academy will offer tailored training opportunities at different levels that bridge the gap between traditional disciplines and quantum technologies . It will organise tutorials and hands-on activities for non-quantum experts to gain practical experience on a quantum computer and develop activities like summer schools that enable students from neighbouring areas to acquire specialised knowledge in quantum technologies. Furthermore, it will provide support for education and training activities of research and development projects in quantum computing, quantum simulation, quantum communication, and quantum sensing and metrology 1 and accelerate its knowledge transfer to industry. 1 Update for the European Competence Framework for Quantum Technologies: Version 2.0 | Quantum Flagship (qt.eu)

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table (DEP LSII) Model Grant Agreements (MGA) Lump Sum MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Consolidation of the Network of European Digital Innovation Hubs (EDIHs with reinforced AI focus)

General Info

Topic ID : DIGITAL-2025-EDIH-AC-08-CONSOLIDATION-STEP

Summary : Consolidation of the Network of European Digital Innovation Hubs (EDIHs with reinforced AI focus)

Status : Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-02T00:00:00.000+0200 **Start Date :** 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-EDIH-AC-08-CONSOLIDATION-STEP>

Description

Expected Outcome: Deliverables Each EDIH will support the digital transformation of SMEs, mid-caps, and public sector organizations within its geographical area and area of expertise, while also aiming to extend its impact beyond its immediate region. An EDIH can select to focus on specific group(s) of clients (e.g. mainly SMEs or mainly public sector). Each selected project will provide the four core types of services (testing before investing, training and skills development, support to find investments, networking and access to innovation ecosystems) covering a wide range of digitalisation needs, from mainstream technologies and AI capacities to specialised technologies. The services will be provided seamlessly, through proxies when required, maintaining consistency and accessibility for stakeholders. EDIHs complement and build synergies with existing regional and national initiatives, collaborate with the EU AI Innovation infrastructures and will become a central point for companies and public sector ensuring a flexible and seamless digital journey and referring them to the services provided by these AI innovation infrastructures where appropriate. All together, EDIHs will contribute to consolidation of a balanced network of EDIHs, ensuring the broadest coverage of regions in Europe, addressing the needs of public and private sectors across all economic sectors, fostering cross-regional collaboration and resource sharing and offering a wide range of digitalisation services, from mainstream to specialised technologies. The following indicators will be used to evaluate the performance of the hub; proposals should define their indicators as well as the targets related to each of them: Number of entities which have used the European Digital Innovation Hubs' services, by user category (businesses of different sizes, public sector entities, etc.), sector, location, by technology and type of service received. Specific sub-indicators have to be proposed when the services are related to develop and uptake AI solutions, and will include a description of which European AI Innovation Infrastructures have been used (such as the AI-on-Demand platform) or referred to (such as the AI Factories). Number of entity referral to European AI Innovation Infrastructures. For access to finance: amount of additional investments successfully triggered (e.g. through venture capital, bank loan, etc.). Number of collaborations foreseen with other EDIHs and stakeholders outside the region at EU level, and description of jointly shared infrastructures / joint investments with other EDIHs. A set of additional impact indicators will be collected and analysed with the support of the Digital Transformation Accelerator: Increase in digital maturity of organizations that have used the services of the EDIH network. Digital maturity will be defined on the basis of a questionnaire assessing the categories of digital strategy and readiness, intelligence and automation, data and connectedness, sustainable and human-centric digitalisation. EDIHs will administer the questionnaire at the start of the engagement with a client, and later after having delivered services, and report without delay the results to the DTA repository. Increase in number of companies benefiting from the use of European AI technology. Cross-border trans-national hubs are possible with several countries jointly proposing and co-funding cross-border trans-national hubs, serving neighbouring regions in different countries, tackling common challenges identified in the border regions and exploiting the untapped growth potential in border areas. In this case, only the share of the funding of each country involved in the cross-border trans-national will be taken into account for the total amount of funding for that country. **Objective:** The objective of this call is the consolidation of the network of European Digital Innovation Hubs (EDIHs) aiming to cover all regions of the European Union and Associated Countries, including the EU's outermost regions, by strengthening its performance and capacity to meet local, regional, national and European digitalisation needs. With increased experience and capacities, the EDIHs will continue providing the complete set of services of an EDIH, including the necessary infrastructure, focusing primarily on specific geographical areas, and

covering the digital transformation needs of local SMEs, mid-caps and/or public sector organisations. Considering the transformation potential of AI technologies, these will be a reinforced focus of EDIHs' operations under this call. The consolidation of the EDIHs network will be pivotal in supporting the wide deployment and uptake of European AI technologies, solutions, and tools and in promoting the adoption of other crucial digital technologies, while upholding Union values and human-centric perspective. Furthermore, the network will harness the potential of green digital technologies, advancing Europe's collective climate and environmental goals. This approach not only enhances the resilience of Europe's industry but also boosts its strategic autonomy. With its enhanced presence in countries associated to Digital Europe, the EDIH network will help bridge technology gaps, and support competitiveness and economic convergence. EDIHs will collaborate with the EU AI Innovation infrastructures and will become a central point for companies and public sector ensuring a flexible and seamless digital journey and referring them to the services provided by these AI innovation infrastructures where appropriate. This collaboration does NOT mean that EDIHs need to integrate a representative of each EU AI infrastructures in their own consortium. It means that EDIHs have to map out these infrastructures, establish contacts with them and help their customer benefit from the services provided by the other initiatives in a client journey perspective. These collaborations will not only accelerate the deployment of AI technologies but also ensure that these technologies are applied effectively and ethically. EDIHs will play a pivotal role in bridging the gap between AI research and real-world applications, driving economic growth and improving public services across Europe. The EDIHs will act as a multiplier and widely diffuse the use of all the digital capacities built up under the different specific objectives of the Digital Europe Programme and including the effective use of key digital standards. To the extent possible, the EDIHs should use the AI solutions of European start-ups and SMEs and/or those provided and stemming from EU projects, including from the AI-on-Demand Platform. Highlighting the vital importance to strengthen the value chains of critical digital technologies, the EDIHs should closely collaborate with AI Factories as well as with the High-Performance Computing competence centres. Where relevant, the EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing, wherever needed, also access to AI training. It should be avoided that there is duplication of actions of the other AI innovation infrastructures and the EDIHs, and therefore working arrangements will be agreed among them, where the focus of the EDIHs will be on their role as multiplier and reaching out to all regions in Europe. Proposals will describe the planned delivery of AI services and referral mechanisms. Countries associated to the Digital Europe Programme Countries recently associated to the Digital Europe Programme participated in the call organised in 2024 that leads to the launch of several EDIHs in these countries starting in 2025. It is crucial to consolidate a stronger and more comprehensive network with a call to the EDIHs with a Seal of Excellence in these countries. By incorporating new EDIHs in these countries, the EDIH network can tap into a broader pool of expertise, resources, and innovation ecosystems, enhancing its capacity to drive digital transformation and Artificial Intelligence (AI) adoption across the continent. Furthermore, this expansion will enable the hubs to refocus on the uptake and wide deployment of European AI solutions and tools, fostering a more robust and competitive European digital landscape. Most importantly, the widened network will ensure that a larger number of customers, including Small and Medium-sized Enterprises (SMEs), midcaps, and public administrations, can benefit from the digital transformation and AI revolution, thereby promoting economic growth, social prosperity, and regional development across the entire Europe. Scope: Each EDIH will provide services based on a specific focus and expertise, which will support the local private and public sector with their digital transformation with particular focus on support to development, training deployment and uptake of European AI. This specialisation can be strengthened over time and should make use of existing local competencies in this area. The EDIH network is dedicated to promoting and facilitating the digital transformation of SMEs and public services through four types of services: Test before invest : providing access to technical expertise and experimentation facilities, in particular to AI-related services. Training and skill development : offering training sessions to SMEs and public services for upskilling and reskilling of the workforce. Support to identify and facilitate access to potential financing sources to support digital transformation. Foster an innovation ecosystem and networking opportunities Each EDIH is expected to provide all four types of services. They can however have different weights in the overall services portfolio. The services will be provided on an open, transparent and non-discriminatory basis and will be targeted mainly to (1) SMEs and mid-caps and/or (2) public sector organisations conducting non-economic activities. Each EDIH will act as an access point to the European network of EDIHs, helping local companies and/or public actors to get support from other EDIHs in case the needed competences fall outside their remit, ensuring that every stakeholder gets the needed support wherever it is available in Europe. Reversely, each EDIH will support the companies and public actors from other regions and countries presented by other EDIHs that need their expertise. The EDIHs will also serve as contact point for the AI innovation infrastructures as described above, notably the AI factories, AI-on-demand platform and TEFs, and offer a first-line AI help desk to businesses and public sector organisations, including basic information on compliance with the AI Act as well relevant sources of further information and ensuring a broad adoption of strategic technologies supporting the development of an AI continent. Each EDIH will make available the relevant experimentation facilities and demonstrators related to its specialisation. SMEs, mid-caps, and the public sector will be able to test the technologies proposed, including where relevant their environmental impact, and the feasibility of applying these technologies to their business before further investing in it. Likewise, EDIHs will harness the potential of green digital technologies, advancing Europe's collective climate and environmental goals. EDIHs will also provide access to finance services including providing information and facilitating access to public and private funding sources as well as to public and private investors. The EDIHs will be active in networking with other hubs,

sharing best practices and specialist knowledge, in bringing companies into contact with other companies of their value chain, and in seeking synergies with innovators and early adopters that test solutions in novel experiments and can foster the adoption of digital technologies, and notably AI, in working and business environments in a more human-friendly way. EDIHs will also play a brokering role between public administrations and companies providing e-government technologies. In all the networking activities, EDIHs will be supported by the Digital Transformation Accelerator (DTA) and therefore it is compulsory that EDIHs participate actively in the relevant support activities of the Digital Transformation Accelerator, such as matchmaking, training, and capacity building events. The Digital Transformation Accelerator in cooperation with the Commission will also host tools, such as the Digital Maturity Assessment Tool, and have the role to centralise overall Key Performance Indicators (KPIs) of the network, and therefore each EDIH will report the necessary information to the DTA. EDIHs are encouraged to make use of the digital tools provided but are also free to use their own tools. However, interoperability with the EDIH network tools is a requirement, so that users of the EDIHs will have a seamless experience. DTA will organize events and activities for the network of EDIH, to share information and experiences, train, build cohesion. EDIHs should foresee active participation in those events and activities. The EDIHs should closely collaborate with the AI factories as well as with the High-Performance Computing competence centres, the Cybersecurity centres, the AI Testing and Experimentation Facilities, and other EDIHs seeking complementarities in view of supporting companies and public sector organisations with their digital transformation. To the extent possible, the EDIHs should use the AI solutions of European start-ups and SMEs and/or those provided and stemming from EU projects, including from AI on Demand Platform. Where relevant, the EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing, wherever needed, also access to AI training. EDIHs will maintain structured long-term relationships with the relevant local actors like regional authorities, industrial clusters, SME associations, business development agencies, incubators, accelerators, chambers of commerce, and partners of the Enterprise Europe Network (EEN), Cybersecurity Centres and Startup Europe by offering joint investor-related events, organising common trainings, workshops or info days, referring SMEs from EEN to EDIHs and from EDIHs to EEN according to their specific needs. It is expected that local actors planning mutual support with a local EDIH will sign a Memorandum of Understanding for a proper governance of their collaboration

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Additionally, EDIHs will serve as an interface for the European Commission to support the implementation of specific sectorial policies, SME policies and eGovernment policies. This will imply that EDIHs specialised in a specific sector could be consulted on policies related to their sector of competence and could participate in specific actions. EDIHs will design operations to achieve sustainability level beyond the implementation and will indicate how they will build local capacity, foster community ownership, and integrate the initiative into their ecosystems. The total public funding for this action may be up to 100% of eligible costs (50% coming from the Digital Europe Programme and up to 50% coming from the Member States). Proposals will describe their co-funding sources (e.g. public funding and remaining amounts to be paid by customers) and how they will achieve economic sustainability for their operations. In line with Appendix 6 on State Aid, Member States have to ensure that State aid is granted in line with the applicable State aid rules, such as de minimis or GBER (ensuring compliance with GBER compatibility conditions, including on aid intensities and notification thresholds set out in Article 4 GBER). 1 See also “Cooperation guidelines for a seamless digitalization support to European SMEs”, November 2023, <https://european-digital-innovation-hubs.ec.europa.eu/news/strategic-guidelines-unlock-collaboration-leading-european-networks>.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Model Grant Agreements (MGA) DEP MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and

Budget Overview

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{"budgetYearsColumns":["2025"],"budgetTopicActionMap":{"110281":[{"action":"DIGITAL-2025-EDIH-AC-08-COMPLETION-STEP - DIGITAL-SIMPLE DIGITAL Simple Grants","expectedGrants":2,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"2000000"},"plannedOpeningDate":"2025-04-15","deadlineModel":"single-stage","deadlineDates":["2025-09-02"]}],"110282":[{"action":"DIGITAL-2025-EDIH-AC-08-CONSOLIDATION-STEP - DIGITAL-SIMPLE DIGITAL Simple Grants","expectedGrants":8,"minContribution":0,"maxContribution":0,"budgetYearMap":{"2025":"9000000"},"plannedOpeningDate":"2025-04-15","deadlineModel":"single-stage","deadlineDates":["2025-09-02"]}]}

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Completion of the initial Network of European Digital Innovation Hubs (EDIHs)

General Info

Topic ID : DIGITAL-2025-EDIH-AC-08-COMPLETION-STEP

Summary : Completion of the initial Network of European Digital Innovation Hubs (EDIHs) **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-EDIH-AC-08-COMPLETION-STEP>

Description

Expected Outcome: Deliverables The new EDIHs will support the digital transformation of SMEs, mid-caps, and public sector organizations within its geographical area and area of expertise, while also aiming to extend its impact beyond its immediate region. An EDIH can select to focus on specific group(s) of clients (e.g. mainly SMEs or mainly public sector). The performance of the hub will be evaluated based on their key performance indicators (KPIs); proposals should define their indicators as well as the targets related to each of them: Number of entities which have used the European Digital Innovation Hubs' services, by user category (businesses of different sizes, public sector entities, etc.), sector, location, by technology and type of service received. Specific sub-indicators must be proposed when the services are related to develop and uptake AI solutions, and will include a description of which European AI Innovation Infrastructures have been used (such as the AI-on-Demand platform) or referred to (such as the AI Factories). Number of entity referral to European AI Innovation Infrastructures For access to finance: amount of additional investments successfully triggered (e.g. through venture capital, bank loan, etc.). Number of collaborations foreseen with other EDIHs and stakeholders outside the region at EU level, and description of jointly shared infrastructures / joint investments with other EDIHs. A set of additional impact indicators will be collected and analysed with the support of the Digital Transformation Accelerator: Increase in digital maturity of organizations that have used the services of the EDIH network. Digital maturity will be defined based on a questionnaire assessing the categories of digital strategy and readiness, intelligence and automation, data and connectedness, sustainable and human-centric digitalisation. EDIHs will administer the questionnaire at the start of the engagement with a client, and later after having delivered services, and report without delay the results to the DTA repository. Increase in number of companies benefiting from the use of European AI technology. Cross-border trans-national hubs are possible with several countries jointly proposing and co-funding cross-border trans-national hubs, serving neighbouring regions in different countries, tackling shared challenges identified in the border regions and exploiting the untapped growth potential in border areas. In this case, only the share of the funding of each country involved in the cross-border trans-national will be considered for the total amount of funding for that country. **Objective:** The objective is to complete the existing network of European Digital Innovation Hubs (EDIHs) with entities from countries associated to the Digital Europe Programme that have not yet participated in any previous EDIH call. These entities will provide the complete set of services of an EDIH, including the necessary infrastructure, focusing primarily on a specific geographical area and covering the digital transformation needs of the local SMEs, mid-caps and/or public sector organisations with a reinforced AI focus for EDIH operations. The completion of the EDIHs network will be pivotal in supporting the widespread deployment and uptake of European AI technologies,

solutions and tool, while also promoting the adoption of other crucial digital technologies, all in alignment with EU values and a human-centric approach. Furthermore, the network will harness the potential of green digital technologies, contributing to Europe's collective climate and environmental goals. This approach will not only enhance the resilience of European industry but also strengthen its strategic autonomy. With an enhanced presence in countries associated with Digital Europe, the EDIH network will help bridge technology gaps, and support competitiveness and economic convergence. EDIHs will collaborate with EU AI Innovation infrastructures, serving as central hubs for companies and the public sector. They will ensure a flexible and seamless digital journey, referring stakeholders to relevant services provided by these AI innovation infrastructures when appropriate. However, this collaboration does NOT mean that EDIHs need to integrate a representative of each EU AI infrastructures in their own consortium. It means that EDIHs must map out these infrastructures, establish contacts with them and help their customers towards benefiting from available services within a structured client journey. These collaborations will not only accelerate the deployment of AI technologies but also ensure their effective and ethical application. EDIHs will play a pivotal role in bridging the gap between AI research and real-world applications, driving economic growth and improving public services across Europe. The EDIHs will act as a multiplier and widely promote and facilitate the use of all the digital capacities built up under the different specific objectives of the Digital Europe Programme, including the effective use of key digital standards. Where possible, EDIHs should leverage AI solutions from European start-ups and SMEs, as well as those provided and stemming from EU-funded projects, including the AI-on-Demand Platform. Highlighting the vital importance to strengthen the value chains of critical digital technologies, the EDIHs should closely collaborate with AI Factories and High-Performance Computing competence centres. Where relevant, EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing access to AI training when necessary. Duplication of actions between EDIHs and other AI innovation infrastructures should be avoided. Therefore, working arrangements will be agreed among them, where the focus of the EDIHs will be on their role as multiplier, extending their geographical reach in the EU and the associated countries. Proposals will describe the planned delivery of AI services and referral mechanisms. Scope: Each new EDIH will provide services based on a specific focus/expertise, which will support the local private and public sector with their digital transformation and the integration of AI technologies. This specialisation can be strengthened over time and should make use of existing local competencies in this area. The EDIH network is dedicated to promoting and facilitating the digital transformation of SMEs and public services through four types of services: Test before invest: providing access to technical expertise and experimentation, in particular to AI-related services. Training and skill development: offering training sessions to SMEs and public services for upskilling and reskilling of the workforce. Support to identify and get access to potential financing sources to support digital transformation. Foster an innovation ecosystem and networking opportunities, including building links to AI factories and TEFs where relevant for associated countries. Each EDIH is expected to provide all four types of services. They can however have different weights in the overall services portfolio. The services will be provided on an open, transparent and non-discriminatory basis and will be targeted mainly to (1) SMEs and midcaps and/or (2) public sector organisations conducting non-economic activities. Each EDIH will act as an access point to the European network of EDIHs, helping local companies and/or public actors to get support from other EDIHs in case the needed competences fall outside their competence, ensuring that every stakeholder gets the needed support wherever it is available in Europe. Reversely, each EDIH will support the companies and public actors from other regions and countries presented by other EDIHs that need their expertise. The EDIHs will also serve as contact point for the AI innovation infrastructures as described above, notably the AI factories, the AI-on-demand platform and TEFs. They will provide a first-line AI help desk for businesses and public sector organisations, offering basic information on compliance with the AI Act and relevant sources for further guidance. This will help ensure the broad adoption of strategic technologies, supporting the development of an AI continent. Each EDIH will make available the relevant experimentation facilities and demonstrators related to its specialisation. SMEs, mid-caps and the public sector will be able to test the technologies proposed, including where relevant their environmental impact, and the feasibility of applying these technologies to their business before investing in them Likewise, EDIHs will leverage green digital technologies to advance Europe's collective climate and environmental goals. EDIHs will also provide access to finance services, including information on and facilitation of access to public and private funding sources, as well as connections to public and private investors. The EDIHs will actively network with other hubs, share best practices and specialist knowledge, connect companies within their value chain, and seek synergies with innovators and early adopters who test solutions in novel experiments. These efforts will foster the adoption of digital technologies, particularly AI, in work and business environments in a more human-centric manner. Additionally, EDIHs will serve as brokers between public administration and companies providing e-government technologies. In all the networking activities, EDIHs will be supported by the Digital Transformation Accelerator (DTA). Therefore, it is compulsory that EDIHs participate actively in the relevant support activities of the DTA, such as matchmaking, training and capacity building events. The DTA, in cooperation with the Commission, will also host tools such as the Digital Maturity Assessment Tool and will centralise the overall Key Performance Indicators (KPIs) of the network. As a result, each EDIH must report the necessary information to the DTA. While EDIHs are encouraged to make use of the digital tools provided, they are also free to use their own tools. However, interoperability with the EDIH network tools is a requirement, to ensure a seamless experience for users. DTA will organize events and activities for the network of EDIH, to share information and experiences, train, build cohesion. EDIHs should foresee active participation in those events and activities. The EDIHs should closely collaborate with the AI Factories as well as with the High-Performance Computing competence centres,

the Cybersecurity centres, the AI-on-demand platform, AI Testing and Experimentation Facilities and other EDIHs seeking complementarities in view of supporting companies and public sector organisations with their digital transformation. Where relevant, the EDIHs will facilitate access for their customers to the EuroHPC AI-optimised supercomputers. They will also help SMEs fine-tune available AI solutions to their business needs and use cases by providing, wherever needed, also access to AI training. EDIHs will maintain structured long-term relationships with the relevant local actors like regional authorities, industrial clusters, SME associations, business development agencies, incubators, accelerators, chambers of commerce, and partners of the Enterprise Europe Network (EEN) and Startup Europe by offering joint investor-related events, organising common trainings, workshops or info days, directing SMEs from EEN to EDIHs and from EDIHs to EEN as needed. It is expected that local actors planning mutual support with a local EDIH will sign a Memorandum of Understanding for a proper governance of their collaboration. Finally, EDIHs will serve as an interface for the European Commission to support the implementation of specific sectorial policies, SME policies and eGovernment policies. This will imply that EDIHs specialised in a specific sector could be consulted on policies related to their sector of competence and could participate in specific actions. EDIHs will design their operations to ensure sustainability beyond the implementation phase. They will indicate how they plan to build local capacity, foster community ownership, and integrate the initiative into their ecosystems. The total public funding for this action is 100% of eligible costs (50% coming from the Digital Europe Programme and up to 50% coming from the Member States). In line with Appendix 6 on State Aid, the countries must ensure that State aid is granted in line with the applicable State aid rules, such as de minimis or GBER (ensuring compliance with GBER compatibility, including on aid intensities and notification thresholds set out in Article 4 GBER) or whatever the state aid rules stipulate in the associated country.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
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Budget Overview

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Sectoral digital skills academies: Virtual Worlds Skills Academy

General Info

Topic ID : DIGITAL-2025-SKILLS-08-VIRTUAL-WORLDS-ACADEMY-STEP

Summary : Sectoral digital skills academies: Virtual Worlds Skills Academy **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-02T00:00:00.000+0200 **Start Date :** 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-SKILLS-08-VIRTUAL-WORLDS-ACADEMY-STEP>

Description

Expected Outcome: Deliverables Comprehensive academic curricula designed across different levels and for different target groups, implemented at European level (curricula encompass complete academic programmes or consist of smaller modules to be injected into larger programmes). Modular short-term training curricula for sector specialists designed and piloted through relevant training courses at regional or local levels, including targeted training for SMEs and public sector. Partnerships and collaboration frameworks established between academia, industry (including SMEs) and research institutions to facilitate and promote the large-scale European-wide roll-out of the academic programmes and short-term trainings. Facilitated joint (practical) educational initiatives and events with industry and research institutions, such as on-the-job experiences in companies' premises, and laboratories, mentorship schemes, internship programmes, summer schools, bootcamps, visits to facilities, career days. Support, integration, and visibility schemes implemented, with particular attention aimed at the participation of female students and female professionals in education and training activities, as well as talented young people from disadvantaged backgrounds and people with disabilities. Training initiatives addressing teaching staff, such as "Teach-the-teacher" training modules targeted at university, VET and secondary-education teachers. Different communication and awareness-raising activities carried out, e.g. through social media, including career orientation activities or "technology deep dive sessions" targeted at secondary education students and the general public. A dedicated landing page integrated in the Digital Skills and Jobs Platform, where all activities, events and initiatives of the academy are disseminated. Reports on the impact of the academies' activities, based on a KPI assessment scheme, and recommendations for policy and investments. Additional deliverables specific to individual academies' activities. **Objective:** Virtual worlds blend physical and digital worlds in real-time for a variety of purposes such as designing new prototypes, virtualising entire cities or for different types of simulations. Virtual worlds are a fast-evolving technology, gaining ground in more and more areas of our lives. The recently adopted "EU initiative on Web 4.0 and virtual worlds: a head start in the next technological transition" 1 presents all the various opportunities virtual worlds can bring to many industrial and societal sectors and citizens in their daily lives. The Virtual Worlds Skills Academy will reinforce the talent pool needed to achieve the aspirations of the EU to pioneer the development of the various building blocks of virtual worlds, such as extended reality, 3D graphics, content creation, computer vision, AI, interactive media, modelling and industrial applications (digital twins), digital identity, data privacy and big data. **Scope:** Virtual worlds require a highly interdisciplinary approach, bringing together various technologies and disciplines. In order to generate high-level expertise, one focus of the academy will be to cover education and trainings that encompass all necessary technological blocks of virtual worlds (such as extended reality, blockchain, AI, data, edge computing, high-performance computing, 3D graphics, interactive media, content creation, computer vision, modelling and industrial applications (digital twins), digital identity, data privacy and big data) as well as creative designs and/or other related disciplines (law, ethics, design, etc.) . In addition, the academy will offer training for sector specialists (e.g. in the automotive industry, healthcare, education, cultural and creative sectors and industries) to equip them with the necessary knowledge to deploy virtual worlds in their sectors and realise its benefits. Furthermore, the Virtual Worlds Academy will also develop training for the basic understanding of virtual worlds technologies to empower citizens and raise awareness of the opportunities and risks of virtual worlds in daily life.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document . Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes:
CALL DOCUMENT Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table (DEP LSII) Model Grant Agreements (MGA) Lump Sum MGA Additional documents: DEP Work Programmes DEP Regulation 2021/964 EU Financial Regulation 2024/2509 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Support to the secretariat for the Alliance on Processors and Semiconductor Technologies

General Info

Topic ID : DIGITAL-2025-AI-08-PROCESSOR

Summary : Support to the secretariat for the Alliance on Processors and Semiconductor Technologies **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-02T00:00:00.000+0200 **Start Date :** 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-AI-08-PROCESSOR>

Description

Expected Outcome: Expected Outcome and Deliverables The Secretariat of the European Alliance will support the European Commission in making the Alliance a sustainable stakeholder platform that will deliver on the following deliverables: The development and promotion of strategic roadmaps and action plans for the objectives and deliverables as established within the thematic Working Groups of the Alliance, in coordination with the members of the Alliance and the European Commission; The identification of the needs of end-users for the next decade; Creation and maintenance of the Alliance’s website, a digital collaboration platform and day-to-day content creation to inform the broader audience about the Alliance’s activities; Preparation and organisation of the annual General Assembly and Forum, and follow-up with all members of the Alliance, in close coordination with the European Commission and the Steering committee of the Alliance; The support of upskilling and reskilling opportunities for workers and students The Secretariat should offer a platform of support services to Alliance members and working groups. **Objective:** Objective This action is to support the activities of the Industrial Alliance on processors and semiconductor technologies. The purpose of the Alliance is to gather relevant stakeholders, including industry, Member States representatives and other experts, from across Europe in view of strengthening Europe’s capacities in advanced processors and other electronic components. The Alliance aims to identify gaps in the production and development of microchips and the technology developments needed for companies and organisations to thrive, no matter their size. This will help the competitiveness of companies, increase Europe’s digital sovereignty and address the demand for the next generation of secure, energy-efficient, powerful chips and processors. **Scope:** Scope The Secretariat shall support the day-to-day work of the members of the Alliance in carrying out the main tasks of the Alliance. These include the identification of critical gaps in the semiconductor value chain and

the development of targets and roadmaps for a number of working groups. In addition to representatives from industry, RTOs, and academia, Member States’ delegates are invited to participate in the work of the Alliance in relevant working groups. This action consists in providing the following support services to the Alliance: Organisation and administrative support of relevant thematic working groups, and their follow up, in view of ensuring progress towards and delivering on the Alliance’s milestones, in close collaboration with the Chair/Vice-Chairs; Supporting communication and exchanges between the European Commission, Alliance members and all other stakeholders with an interest in the fields of work of the Alliance; Disseminating the Alliance’s work; Supporting providing advice and guidance to the European Semiconductor Board, when requested; Expand and ensure a representative Alliance community by promoting the Alliance towards relevant stakeholders that meet the eligibility criteria; Support the on-boarding of new members in the Alliance’s work. Organise physical meetings for the General Assembly at least once per year.

Conditions

Conditions

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Budget Overview

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Data Spaces Support Centre

General Info

Topic ID : DIGITAL-2025-AI-08-DS-SUPPORT

Summary : Data Spaces Support Centre **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-AI-08-DS-SUPPORT>

Description

Expected Outcome: Expected Outcome and Deliverables This action will result in the continuation of the operation of the Data Spaces Support Centre. The Centre will continue to coordinate, support, and promote all relevant initiatives related to sectoral data spaces. It will provide essential blueprints, technologies, processes, standards, and tools necessary for the effective deployment, operation, and interconnection of these data spaces, ensuring their seamless integration and functionality across various sectors. It will ensure that key stakeholders from data spaces are involved in these activities.

Objective: Objective The objective is to identify a consortium that will assure the continuation of the Data Spaces Support Centre (DSSC). The DSSC coordinates all relevant actions on Common European Data Spaces to ensure that they develop in a coherent way, are interoperable and benefit from economies of scale by the use of common practices, components (referred to as ‘building blocks’), protocols and tools (e.g., software implementations or services implementing the building blocks mentioned above that are considered fit to purpose). The aim is to support the development, proper functioning and interconnection of data spaces to facilitate secure and trusted data sharing and reuse within and across sectors, benefiting both the public sector and European businesses, particularly SMEs. Additionally, the DSSC supports the work of the European Data Innovation Board (EDIB) e.g., by identifying cross-sector standards for data use and sharing, by conducting comparative analyses across sectors, and by highlighting best practices related to security and access to data, all while considering sector-specific standardization efforts. In order to ensure alignment with sectoral initiatives, the DSSC will work in close cooperation with the key stakeholders in the data spaces.

Scope: The Support Centre will include three main work strands:

1. **Community Building** The first work strand aims to maintain and enlarge the network of stakeholders. Fostering a community of practice focused on data sharing. Engaging participants from projects supported by the EU, especially those funded by the EU. Engaging with projects deploying data spaces at European level and that might serve as showcase. A particular attention should be given to startups and SMEs in order to facilitate access and participation in data spaces.
2. **Governance and Infrastructure Requirements** In collaboration with the stakeholder network, the second work strand focuses on: Promoting the use of common solutions for data infrastructure across sectoral data spaces, covering technical design, functionality, operation, governance and legal aspects. Identifying standards, including semantic standards and interoperability protocols (both domain-specific and crosscutting). Engaging in standards development initiatives, where needed, to ensure data space requirements are supported. Exploring potential synergies between data spaces and coordinate cross-cutting exchanges among them. Promoting data governance models, business strategies, and operational approaches for running data spaces. Addressing legal issues and other market-relevant barriers. Identifying opportunities for value added services.
3. **Platform for knowledge sharing and support** The third work strand will focus on the maintenance and development of the DSSC.EU platform which will act as a central hub for knowledge sharing, stakeholder support and the development of data spaces. It will provide resources, promote best practices, and allow to connect stakeholders across various initiatives. The platform will also include a customer support centre function, allowing stakeholders to easily get into contact with the DSSC for specific support requests. The Data Spaces Support Centre addresses a wide range of stakeholders involved in the creation, maintenance, and governance of common European data spaces. It aims to create a collaborative environment where these diverse stakeholders can work together to establish common data spaces that are secure, interoperable, and trustworthy. These stakeholders include European organisations from different sectors: Private: Businesses and industries that can benefit from data sharing and interoperability as well as software and technologies providers that can offer solutions for the deployment of data spaces. Public: Government agencies and public administrations that manage and use data for public services. Academia: Research institutions and universities that contribute to the development of data space technologies and standards. Civil Society: Non-governmental organizations and community groups that advocate the use of data in a secure and trusted manner.

Conditions

Conditions

1. **Admissibility Conditions:** Proposal page limit and layout described in section 5 of the call document. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.

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Budget Overview

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Multi-Country project in Agri-Food

General Info

Topic ID : DIGITAL-2025-AI-08-AGRIFOOD
Summary : Multi-Country project in Agri-Food Status : Forthcoming

Deadline model : single-stage Deadline : 2025-09-02T00:00:00.000+0200 Start Date : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-AI-08-AGRIFOOD>

Description

Expected Outcome: Expected Outcome and Deliverables Capacity building: Proactive collaboration with stakeholders. Information exchange platform: A platform for sharing, primarily among participants, insights and data about infrastructure, tools, standards, and agreements related to the scope of this action, complementing related initiatives. Coordination roadmap: A comprehensive plan for preparing the implementation of the actions under this project and their contribution to the multi-country project, detailing the alignment of various initiatives, of actors participating in the action across different sectors and member states. Recommendations for the development, operation, and maintenance: Key foundational elements to roll-out the project towards countries not yet involved in the MCP and towards further segments of the agri-food sector. Assessment of ongoing initiatives : Stocktaking of ongoing initiatives at national and

EU level relevant to the project and documentation of lessons learnt to tailor the approach towards the deployment action. Concept, technical specification, and set-up of digital infrastructure for the agri-food ecosystem. Use cases portfolio: A collection of cross-border use cases implemented by third parties that demonstrate cooperation and interoperability, including guidelines and standards for implementing such use cases more generally, in alignment with existing European initiatives and in compliance with applicable legislation. This deliverable should be prepared by the consortium with support from third-party beneficiaries. Those use cases might be implemented as preparation for the deployment action, the envisaged digital infrastructure project, or as subsequent action to capitalise the deployment action. Use case evaluation reports: Detailed assessments for each use case, including performance results, lessons learned, and recommendations for future projects. This deliverable should be prepared by third parties under the consortium's guidance. Deployment action: Implementation of the envisaged project in agri-food at multi-country/ EU level with sustainable structures for its maintenance and further development. Policy recommendations on the creation of favourable framing conditions for achieving MCP objectives and furthering the digital transformation of the sector , reducing administrative burden, and simplification. Objective: Objective The objective of this action is to support a Multi-Country Project (MCP) in the agri-food sector. The MCP in Agri-Food aims to leverage digital infrastructure, particularly data infrastructure, to enhance the efficiency, sustainability, and competitiveness of the agri-food sector across Europe. This action will, foster the access, sharing, and reuse of data to support decision-making, reduce administrative burdens, and enable innovative solutions within the sector. In line with the European Data Strategy, the action should contribute to creating a fair, competitive, and innovative data economy. In line with Political Guidelines, it should support the digital transformation of the agri-food sector, making it smarter, more sustainable, and better adapted to the needs of its users, in line with the objectives to build a competitive and resilient agriculture and food system, aiming to support the sector's sustainability and productivity The action is also expected to support the reduction of administrative burden in both business-to-business (B2B) and business-to-to government (B2G) data sharing, in particular in cross-border settings; and explore the potential for simplification. The awarded proposal will take into account existing data-sharing initiatives at European, national, and local levels. Especially, it will complement and accelerate the development and implementation of the Common European Agricultural Data Space (CEADS). Scope: Scope The awarded proposal should address the following activities: Provide operational support to create a sustainable collaboration framework among Member States and other stakeholders aimed at facilitating large-scale investments in digital and data infrastructure for agri-food projects with a multi-country focus. Support the exchange of information and take stock of available infrastructures, solutions, tools, agreements, and standards related to the scope of the action among participants, and coordinate across initiatives and projects in different countries and domains. Analyse gaps in existing agri-food data infrastructures and services, and propose measures to support the deployment, operation, and maintenance of data and service infrastructures. Develop and set-up digital infrastructure enabling agri-food data exchange, access, and analysis at the European level. Provide assistance, including financial support to third parties, for the development of cross-border use cases focusing on real-life applications based on agri-food data sharing and promote the sharing and reuse of best practices. These use cases should be implemented across several Member States; they should foster advanced technologies, including AI, and should follow a coherent approach, that ensures interoperability; indicative areas for use cases include the preparation of scaling of the multi-country project and/ or subsequent actions that support the objectives of the MCP. Support the implementation and deployment of a large-scale data-infrastructure with a multi-country or EU-level dimension to roll out data services in agri-food relevant for the public and private domains. All activities under this project will require close collaboration and alignment with existing and evolving EU initiatives related to agri-food data, in particular: Common European Agricultural Data Space (CEADS) Testing and Experimentation Facilities (TEF) for AI in agri-food Horizon Europe Partnership Agriculture of Data European Digital Innovation Hubs (EDIHs) and EDICs EU Digital Identity Wallet/eID Duplication of existing initiatives should be avoided. Compliance with applicable EU legislation, such as the General Data Protection Regulation (GDPR) and the Directive on open data and the re-use of public sector information, is required. The awarded proposal is expected to achieve financial sustainability beyond the project's duration. The outcomes and deliverables of the project should be owned or usable by a lasting structure supporting the implementation of the MCP in the agri-food sector. The active involvement of data providers and users in the public and private domains is highly recommended to ensure that the project's outcomes are designed to meet their needs and to create a stronger sense of ownership. To encourage the participation of diverse actors, the proposed project is encouraged to use financial support to third parties as part of the development, customisation, and integration of digital infrastructure for the agri-food ecosystem; and the implementation of cross-border use cases. More information on funding rates and rules for this type of action is available in Appendix 2 and Annex 5 of the model grant agreement.

Conditions

Conditions

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Budget Overview

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Apply AI: GenAI for the public administrations

General Info

Topic ID : DIGITAL-2025-AI-08-SUPPLY-AI

Summary : Apply AI: GenAI for the public administrations **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/DIGITAL-2025-AI-08-SUPPLY-AI>

Description

Expected Outcome: Expected Outcome and Deliverables Pilots of European GenAI solutions in public administrations. Replication of piloted GenAI solutions across public administrations and Member States. GenAI4EU community of public administrations in Europe. Objective: Objective Generative Artificial Intelligence (GenAI) can play a transformative role in public administrations by automating routine tasks, enhancing personalized citizen-centric service delivery, and improving communication with citizens. It supports decision-making by analysing large datasets and simulating policy outcomes, while also helping in the drafting of legal texts. GenAI can also play a role in mitigating staff shortages and language barriers to access public services. Its implementation must take into account challenges related to privacy, robustness, sustainability, explainability, bias and transparency, while mitigating cybersecurity risks and ensuring human oversight in critical decisions complying with the AI Act The objective of the call is to accelerate

the adoption of GenAI in public administrations by supporting three to four pilot projects. Each pilot project will comprise one or more use cases where European GenAI solutions are developed and applied in the public administrations of the involved countries. The pilot projects will focus on using European GenAI solutions to drive innovation, improve public services, and enhance citizen experiences, including through: supporting decision making in areas such as sustainable urban planning, infrastructure development, and transportation-systems design; optimising public administrations' internal processes and operations, and promoting smarter budget planning and human-resource allocation; tailoring interactions with citizens via advanced platforms, such as chatbots and agents, to deliver personalized assistance, improve the accessibility of public services, and offer integrated support across multiple domains, including combining social protection, healthcare, social services, public employment, migration management, security, and other services into a seamless, one-stop experience; and/or making legislation more machine-readable ('law as code') and complicated procedures and text more understandable to citizens and businesses, for instance regarding environmental authorisations, procedures for starting a new business, or funding opportunities. A key element of the piloted GenAI solutions will be their replicability across various EU public administrations, enabling consistent digital service delivery across Member States.

Scope: Scope A call will be launched to select consortia of public administrations at national, regional, or local level that wish to participate in the pilot projects. The consortia may also include other entities such as higher education institutions, research and technology organisations, and civil-society and non-governmental organisations, which will support the public administrations in the implementation of the pilot projects. To apply, consortia must submit a project proposal that includes: An overview of the planned GenAI models and solutions and the specific use cases where these solutions will be deployed across participating public administrations; An overview of the expected outcomes and benefits of the proposed GenAI models and solutions; An outline of the consortium's capacity to successfully integrate and scale up the proposed GenAI models and solutions; and A letter of commitment from the Member States or local or regional authorities of the participating public administrations, undertaking to provide 50% co-funding of the respective project costs, should the project be selected for funding. Successful consortia will be awarded a grant to implement the proposed pilot projects. Specifically, public administrations within these consortia will be responsible for procuring the fine-tuning of proposed foundation models, developing tailored solutions based on these models, and integrating them into their existing platforms, systems, and operational workflows. The procurement could moreover cover supporting infrastructure and implementation activities such as: The technical infrastructure required to deploy and run GenAI solutions at scale and across single or multiple public administrations; The support needed by public administrations to ensure they have the necessary skills and knowledge to effectively implement and manage the deployed GenAI solutions; and The maintenance and optimisation costs for the deployed GenAI solutions. Procured GenAI solutions should be designed to be compatible with various systems and platforms used by different public administrations to allow for easier replication across different contexts. In addition, other consortium entities may provide support to the public administrations across a range of areas, including: Developing procurement specifications; Sharing knowledge and building capacities; Organising change-management and adoption-support actions; Documenting best practices; and Engaging and communicating with citizen and other stakeholders. Entities that are part of a successful consortium will be ineligible to participate as suppliers in the procurement processes initiated by the public administrations within that consortium. To ensure public trust, the procurement process will require the use of foundation models and systems which aligns with EU values and rules, particularly in terms of data protection, explainability, sustainability, and compliance with the EU AI Act. Projects that demonstrate EU-added value will be prioritized. This approach supports the EU's objective of fostering innovation while safeguarding fundamental rights and ensuring public trust in AI systems. As stated in the regulation establishing the Digital Europe Programme, the financial contribution from the Union should pursue as one operational objective under Specific Objective 2 – Artificial Intelligence: “build up and strengthen core AI capacities and knowledge in the Union”; therefore, solutions based on European models (i.e., models developed by European AI companies/laboratories) will be required. Overall, this action will support three to four pilot projects of the order of EUR 5-7 million of EU funding, which will be matched by an equal amount of funding by the project beneficiaries and or other public funding (e.g., from Member States' national, regional authorities, etc.). A separate call for proposals will be issued for a single Coordination and Support Action (CSA), with a budget of up to EUR 2 million. This call will be open to consortia comprising higher education institutions, research and technology organisations, civil-society organisations, non-governmental organisations, and other interested stakeholders. The successful consortium will be responsible for enhancing the scalability and replication of successful European GenAI pilot solutions, through activities that foster knowledge sharing, community building, and capacity development. Such activities could consist, for example, in implementing software documentation best practices, facilitating peer-to-peer knowledge sharing and experience exchange, deploying targeted training and support programs, and establishing a community of practice. These activities will ensure that the implementation strategies of successful pilot projects can be readily replicated, enabling seamless adoption across different public administrations and Member States, EEA-EFTA countries and countries associated to the Digital Europe Programme. This CSA will moreover support the creation of a GenAI4EU community of public administrations in Europe and its integration into the large European AI ecosystem of excellence. Participants in this action should in particular, cooperate closely with the European Digital Innovation Hubs and the AI-on-Demand-Platform, leveraging their expertise and building on their efforts targeted to the public administrations. Entities that are part of the successful CSA consortium will be excluded from participating as suppliers in the procurement of the public administrations involved in the pilot projects. The action should establish links and build synergies with related initiatives, such as the

Alliance for Language Technologies, the action on open-source European foundational model fine-tuning, the sectoral AI & Robotics Testing and Experimentation Facilities, data spaces and relevant EuroHPC initiatives. Furthermore, it should work with actions implementing the AI Act, such as the EU AI Innovation Accelerator and regulatory sandboxes, as well as with the AI Factories. Strong links should also be built with the future Multi-Country Project on Innovative and Connected Public Administrations.

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
2. Eligible Countries described in section 6 of the call document .
3. Other Eligible Conditions described in section 6 of the call document .
4. Financial and operational capacity and exclusion described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes described section 8 of the call document and the Online Manual . 5b. Evaluation and award: Award criteria, scoring and thresholds described in section 9 of the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement described in section 4 of the call document .
5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document is available here Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table - available in the Submission System Digital Europe Programme - General MGA v1 Guidance Classification of information in DIGITAL projects Guidelines on How to Complete your Ethics Self-Assessment Guidance on participation in DEP - restricted calls Ownership control declaration Digital Europe Work Programme 2025-2027 Digital Europe Programme Regulation 2021/694 EU Financial Regulation 2024/2509, Regulation - EU, Euratom - 2024/2509 - EN - EUR-Lex Additional documents:

Budget Overview

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Digital solutions for regulatory compliance through data

General Info

Topic ID : DIGITAL-2025-AI-08-COMPLIANCE

Summary : Digital solutions for regulatory compliance through data **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-09-02T00:00:00.000+0200 **Start Date** : 2025-04-15T00:00:00.000+0200

Description

Expected Outcome: Expected Outcome and Deliverables Delivering three or four separate projects on the streamlining of regulatory reporting through automated and trusted sharing of compliance data, each demonstrating how the governance and technical aspects as well as the legal and processing aspects have been addressed. Each project will deliver a pilot in realistic operational conditions and a live presentation (demo) of the pilot use case by the participants as well as a final report. The project outcomes, including the developed solutions, will have to be disseminated to relevant stakeholders, such as public administrations and private entities (in particular SMEs), showcasing the benefits of streamlining compliance processes and reducing administrative burdens.

Objective: Objective The complexity and volume of reporting requirements stemming from EU legislation are growing, posing difficulties for both regulatory bodies to enforce laws and for public and private entities trying to comply. These challenges underscore the need for innovative solutions to streamline compliance processes and enhance competitiveness within the EU. This objective will support projects testing digital solutions for transmitting information relevant for compliance with EU legislation (e.g. regulations on environmental issues) and automate the compliance process for a number of pilot use cases. Regulatory reporting requirements cover a wide range of information, from aggregate (e.g. company balance sheets) to granular representing individual transactions and events, and in many situations also on the identification and (pre-market) registration of products. Such detailed data is often already routinely and automatically recorded in the systems of businesses, sometimes to meet regulatory requirements, but in many cases for their own management purposes. In other cases data can be captured automatically from business processes and devices and, with the right technical solutions in place, such data could be used for automatic compliance. Activities funded under this objective would combine advanced technologies such as data capturing technologies, automatic transmission and analysis, cloud storage, and encryption to ensure data security, confidentiality and regulatory adherence. By integrating comprehensive APIs, the projects will facilitate real-time compliance and self-compliance checks, they will provide common terminology to define and describe the meaning of reported data as well as standards and formats for the reported data while machine learning algorithms will automate monitoring and reporting. Crucially, direct communication with regulatory authorities enables automated updates and reporting, ensuring the system remains current with evolving regulations. This approach emphasizes robust access control and audit trails for transparency, while significantly reducing the risk of non-compliance and the associated penalties. It would also make use of the EU Digital Identity Wallet, when available, to ensure identification of natural persons and legal entities active in data spaces as well as other relevant trust services, such as electronic seals or ledgers. It will be essential to propose use cases that allow the data to be automatically collected and processed with minimal manual intervention, and to ensure that the compliance verification process is both efficient and scalable. Sectors with a high bureaucratic burden such as agriculture, environment, manufacturing, healthcare, and energy, are examples of possible pilot use cases to be funded. Consortia can consist of public administrations such as government bodies/ regulatory agencies, private entities or a mix of the two.

Scope: Scope The activities funded under this initiative will focus on the following aspects:

Technical aspects: Utilize advanced technologies such as data capturing technologies, automatic transmission and analysis, cloud storage and encryption for data security and compliance with regulations. Implement comprehensive APIs to enable real-time compliance and self-compliance checks. Employ machine learning algorithms for automated monitoring and reporting. Where possible use precisely defined concepts available in the data catalogue entries of common European data spaces enabling deterministic data collection. Establish direct communication channels with regulatory authorities for automated updates and reporting, keeping the system updated with changing regulations (e.g. by expressing the reporting requirements in machine readable and executable way). Ensure robust access control and maintain audit trails for transparency and accountability. Minimize the risk of non-compliance and potential penalties through these technological and procedural safeguards. Integrate the EU Digital Identity Wallet for secure identification of individuals and legal entities. All systems must incorporate robust data privacy and security measures. Proposers must ensure that the systems developed are open source, interoperable with existing government data systems and adhere to European data standards and specifications. The system must be scalable to handle large volumes of data and high transaction rates. The system must be designed with end-users in mind, ensuring ease of use and accessibility. A comprehensive data governance framework must be established. This should include policies for data quality management, data stewardship, and data lifecycle management. Active engagement with all relevant stakeholders is essential. Proposals should target legislations that have clear, quantifiable compliance metrics that can be automatically assessed using data analytics and they should ensure no overlaps with ongoing initiatives (e.g. Digital Product Passport, Customs reform).

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout described in section 5 of the call document. Proposal page limits and layout: described in Part B of the Application Form available in the Submission System.
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5. Legal and financial set-up of the grants described in section 10 of the call document . Call document and annexes: Call document is available here Application form templates Standard application form (DEP) — the application form specific to this call is available in the Submission System Detailed budget table - available in the Submission System Digital Europe Programme - General MGA v1 Guidance Classification of information in DIGITAL projects Guidelines on How to Complete your Ethics Self-Assessment Digital Europe Work Programme 2025-2027 Digital Europe Programme Regulation 2021/694 EU Financial Regulation 2024/2509, Regulation - EU, Euratom - 2024/2509 - EN - EUR-Lex Additional documents:

Budget Overview

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European Researchers' Night and Researchers at Schools 2026-2027

General Info

Topic ID : HORIZON-MSCA-2025-CITIZENS-01-01

Summary : European Researchers' Night and Researchers at Schools 2026-2027 **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-10-22T00:00:00.000+0200 **Start Date :** 2025-06-17T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-MSCA-2025-CITIZENS-01-01>

Description

Expected Outcome: Project results are expected to contribute to the following outcomes: For researchers Enhanced opportunities to interact with citizens and local, regional and national authorities; Improved communication skills and competences to interact with a non-research audience, notably with pupils and students. For organisations Increased

reputation and visibility of participating organisations in terms of hosting excellence research projects towards the general public and possible future students; Researchers' work made more tangible, concrete, accessible, and thus opening research and science to all; Improved outreach to all audiences, and notably those who do not have an easy access to science and research activities; Better communication of R&I results and activities to society, increased and strengthened opportunities for citizens' engagement. Scope: Proposals should cover both the organisation of the European Researchers' Night and the implementation of the Researchers at Schools initiative. The European Researchers' Night takes place every year, on the last Friday of September [1] . It supports events that can last up to two days: they can start on Friday and continue the following day. Pre-events, prior to the main event, and related post-events, such as wrap-up meetings or small-scale follow-up events, can also be organised. It is the occasion for a Europe-wide public and media event for the promotion of research careers. The European Researchers' Night targets the general public, addressing and attracting people regardless of the level of their scientific background, with a special focus on young people and their families, pupils and students, and notably those who do not have easy access to, and thus are less inclined to engage in STEAM fields (science, technology, engineering, arts and mathematics) or research activities. The Researchers at Schools initiative brings researchers to schools and other pedagogical and educational centres to interact with pupils on societal challenges and on the key role of research to address them. Pupils will thus also learn directly about research projects and initiatives related to EU main priorities. Types of activities European Researchers' Night activities can combine education with entertainment, especially when addressing young audiences. They can take various forms, such as exhibitions, hands-on experiments, science shows, simulations, debates, games, competitions, quizzes, etc. Where appropriate, engagement with educational institutions should be sought in order to encourage formal and informal science education with the aim of improving the scientific knowledge base. The European Researchers' Night should be highlighted as a European (and Europe-wide) event, and each proposal should promote the European Union and its impact on citizens' daily life in the most appropriate way, according to the set-up and the configuration of the event, its location and its activities. Researchers at Schools activities will allow researchers to showcase their work and interact with pupils. Researchers will engage with teachers, educators and pupils on challenges related to climate change, sustainable development, health and other issues related to the European Commission priorities and main orientations, such as the European Green Deal or the EU Missions. The Researchers at Schools activities should take place at any time during the project duration and should be subject to a dedicated promotion, particularly towards schools and other pedagogical and educational centres. Involvement of researchers funded by Horizon Europe or previous Framework Programmes, notably by the Marie Skłodowska-Curie Actions, is highly encouraged. Both the European Researchers' Night and Researchers at Schools initiative should promote gender balance, diversity and inclusiveness in science in terms of planned activities and researchers involved. The European Commission has defined priorities, notably through the EU Missions, which aim to tackle challenges faced by our societies. Applicants are encouraged to focus on, and include activities relating to these priorities identified by the Missions in their events. Partnerships and coordination at regional, national or cross-border levels will be strongly encouraged aiming at a good geographical spread and avoiding overlaps. Activities carried-out in non-associated third countries are not eligible for funding. High-quality applications not retained due to lack of funding may be granted the status of associated events. Eligible costs will take the form of lump sum contributions as stipulated in Decision of 11 March 2021 authorising the use of lump sum contributions and unit contributions for Marie Skłodowska-Curie actions under the Horizon Europe Programme. Applicants are encouraged to submit proposals covering activities for both 2026 and 2027, including the organisation of two successive editions [2] (2026 and 2027) of the European Researchers' Night and implementation of Researchers at Schools activities during the project duration. [1] Except for countries which for strong cultural reasons would be prevented from organising any action addressing the public at large on such a date. [2] The expected contribution for projects covering two editions of the European Researchers' Night and Researchers at Schools activities is between EUR 0.1 and 0.3 million, but this does not preclude submission and selection of proposals requesting different amounts.

Conditions

General conditions General conditions

1. Admissibility conditions: described in Annex A and Annex E of the Horizon Europe Work Programme General Annexes Proposal page limits and layout: described in Part B of the Application Form available in the Submission System
2. Eligible countries: described in Annex B of the Work Programme General Annexes A number of non-EU/non-Associated Countries that are not automatically eligible for funding have made specific provisions for making funding available for their participants in Horizon Europe projects. See the information in the Horizon Europe Programme Guide . The following additional eligibility criteria apply: Activities carried-out in non-associated third countries are not eligible for funding.
3. Other eligibility conditions: described in Annex B of the Work Programme General Annexes
4. Financial and operational capacity and exclusion: described in Annex C of the Work Programme General Annexes To ensure a balanced portfolio covering the widest geographical coverage with events and activities held in as many eligible countries as possible, grants will be awarded to applications not only in order of ranking but at least

also to each application that is highest ranked per country based on where the coordinator is established (including trans-national consortia), provided that the applications attain all thresholds. Award criteria, scoring and thresholds are described in Annex D of the Work Programme General Annexes Submission and evaluation processes are described in Annex F of the Work Programme General Annexes and the Online Manual Indicative timeline for evaluation and grant agreement: described in Annex F of the Work Programme General Annexes Eligible costs may take form of lump sum contributions as stipulated in Decision of 11 March 2021 authorising the use of lump sum contributions and unit contributions for Marie Skłodowska-Curie Actions under the Horizon Europe Programme.

5. Legal and financial set-up of the grants: described in Annex G of the Work Programme General Annexes Specific conditions
6. Specific conditions: described in the [specific topic of the Work Programme] Documents Call documents: Guide for Applicants (to be published in June 2025 before the Call Opening) Application form - You must use the specific application forms available in the Submission System Standard evaluation form — will be used with the necessary adaptations Standard evaluation form (HE CSA) MGA Lump Sum MGA v1.0 Call-specific instructions Detailed budget table (HE LS) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Main Work Programme 2023–2024 – 1. General Introduction HE Main Work Programme 2023–2024 – 2. Marie Skłodowska-Curie Actions HE Main Work Programme 2023–2024 – 13. General Annexes HE Programme Guide HE Framework Programme and Rules for Participation Regulation 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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MSCA Postdoctoral Fellowships 2025

General Info

Topic ID : HORIZON-MSCA-2025-PF-01-01

Summary : MSCA Postdoctoral Fellowships 2025 **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-09-10T00:00:00.000+0200 **Start Date :** 2025-04-09T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-MSCA-2025-PF-01-01>

Description

Expected Outcome: Project results are expected to contribute to the following outcomes: For supported postdoctoral fellows Increased set of research and transferable skills and competences, leading to improved employability and career prospects of MSCA postdoctoral fellows within academia and beyond; New mind-sets and approaches to R&I work forged through international, inter-sectoral and interdisciplinary experience; Enhanced networking and communication capacities with scientific peers, as well as with the general public that will increase and broaden the research and innovation impact. For participating organisations Increased alignment of working conditions for researchers in accordance with the principles set out in the European Charter for Researchers; Enhanced quality and sustainability of research training and supervision; Increased global attractiveness, visibility and reputation of the participating organisation(s); Stronger R&I capacity and output among participating organisations; better transfer of knowledge; Regular feedback of research results into teaching and education at participating organisations. Scope: Fellowships will be provided to excellent researchers undertaking international mobility. Applications will be made jointly by the researcher and a beneficiary in the academic or non-academic sector. Postdoctoral Fellowships either can take place in Europe (i.e. in an EU Member State or a Horizon Europe Associated Country) or in a Third Country not associated to

Horizon Europe: European Postdoctoral Fellowships are open to researchers of any nationality who wish to engage in R&I projects by either coming to Europe from any country in the world or moving within Europe. The standard duration of these fellowships must be between 12 and 24 months. Global Postdoctoral Fellowships are open to European nationals or long-term residents [1] who wish to engage in R&I projects with organisations outside EU Member States and Horizon Europe Associated Countries. These fellowships require an outgoing phase of minimum 12 and maximum 24 months in a non-associated Third Country, and a mandatory 12-month return phase to a host organisation based in an EU Member State or a Horizon Europe Associated Country. Specific eligibility conditions apply to MSCA Postdoctoral Fellowships in the research areas covered by the Euratom Research and Training Programme 2021-2025 [1] .

Secondments Researchers receiving a Postdoctoral Fellowship may opt to include a secondment phase, within the overall duration of their fellowship in any country worldwide. The secondment phase can be a single period or be divided into shorter mobility periods. For European Postdoctoral Fellowships, secondments cannot exceed one third of the requested duration of the action (excluding from the duration of the action any additional period for a non-academic placement) and should be in line with the project objectives, adding significant value and impact to the fellowship. For Global Postdoctoral Fellowships, optional secondments are permitted for up to one third of the outgoing phase. A maximum of three months of such secondments can be spent at the start of the project at the beneficiary (or associated partners linked to the beneficiary), allowing the researcher to spend time there before going to the associated partner in the Third Country. This period of maximum three months will be considered as part of the outgoing phase. Secondments cannot take place during the mandatory twelve-month return period to the host organisation in an EU Member State or Horizon Europe Associated Country. Placements in the non-academic sector Postdoctoral Fellowships can provide an additional period of up to six months to support researchers opting for a placement at the end of the project to work on R&I projects in an organisation from the non-academic sector established in an EU Member State or Horizon Europe Associated Country [3] . While this possibility is also available to fellows recruited in the non-academic sector, such a placement must be implemented at a different non-academic host organisation established in an EU Member State or Horizon Europe Associated Country [4] . The request for such a non-academic placement must be an integral part of the proposal, explaining the added-value for the project and for the career development of the researcher, and will be subject to evaluation. This incentive aims at promoting career moves between sectors and organisations and thereby stimulate innovation and knowledge transfer while expanding career opportunities for researchers. If the placement does not meet the requirements (taking place in an academic organisation or in a Third Country), the proposal will be evaluated without taking into account the placement. This might affect the final score.

Training activities The training activities implemented under the Postdoctoral Fellowships should include training for key transferable skills, foster innovation and entrepreneurship, (e.g. commercialisation of results, Intellectual Property Rights, communication, public engagement and citizen science), foster good scientific conduct such as research integrity and promote Open Science practices (open access to publications and to other research outputs including data, FAIR data management, societal engagement and citizen science etc.).

Career Development Plan In order to equip MSCA postdoctoral fellows with skills that enhance and expand their career opportunities inside and outside academia, a Career Development Plan should be established jointly by the supervisor(s) and the researcher. In addition to research objectives, this plan should comprise the researcher's training and career needs, including training on transferable skills, teaching, planning for publications and participation in conferences and events aiming at opening science and research to citizens. The Plan will have to be submitted as a project deliverable at the beginning of the action and can be updated when needed.

Euratom Aiming to enhance nuclear expertise and excellence as well as synergies between Programmes, organisations active in nuclear research established in one of EU Member States or countries associated to the Euratom Research and Training programme 2021-2025, are eligible to participate [5] . MSCA Postdoctoral Fellowships in this area of research will be supported by the Euratom Research and Training Programme 2021-2025 through an indicative annual financial contribution of EUR 1 million to the MSCA Postdoctoral Fellowships call [6] .

ERA Fellowships The ERA Fellowships implemented through Work Programme Annex 11, Widening Participation and Strengthening the European Research Area, provide specific support to researchers to undertake their fellowship in a widening country [7] . This will help spread excellence and contribute to fostering balanced brain circulation in widening countries. [1] See eligibility conditions at the end of this Work Programme part. [2] See eligibility conditions at the end of this Work Programme part. [3] For proposals in the research areas covered by the Euratom Research and Training Programme, the organisation from the non-academic sector must be established in an EU Member State or a country associated to the Euratom Research and Training Programme 2021-2025 [4] idem [5] See eligibility conditions at the end of this Work Programme part [6] As indicated in the Euratom Work Programme [7] These countries are aligned with Work Programme part 11, Widening Participation and Strengthening the European Research Area

Conditions

General conditions

Budget Overview

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Towards autonomous robot collectives delivering collaborative tasks in dynamic unstructured construction environments

General Info

Topic ID : HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-03

Summary : Towards autonomous robot collectives delivering collaborative tasks in dynamic unstructured construction environments **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-10-29T00:00:00.000+0100 **Start Date :** 2025-07-24T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-03>

Description

Scope: Background and scope Robotic automation offers significant advantages to several sectors, yet on-site construction robotics is amongst the most challenging and least understood fields in robotics. The unstructured, dynamic environment with human presence makes navigation and automation of the many concurrent construction tasks deeply challenging. Further, the current state-of-the-art solutions focus on adding higher degrees of automation to legacy tools, such as heavy equipment designed for diesel engines and human operators. Radical innovations are essential for the sector to address the unprecedented wave of building growth, especially in the context of labour shortages, a productivity gap between the construction and other industries, rising expectations for occupational health and safety, and the need for healthier and more affordable living environments. Through the collaboration of multiple agents (both humans and machines) construction processes can be accelerated, enabling more complex processes with multiple tasks to be performed simultaneously and collaboratively. Multi-robotic collaboration, where robotic agents support and complement each other's tasks and skill sets within the same workspace, may unlock entirely new processes that are not possible using single robotic machines. This approach could involve multiple distributed "swarms" of collaborative robots using distributed control algorithms and robot learning systems, which may be better suited to large, spatially distributed tasks and can adapt to unpredictable environments. Doing so while also supporting the electrification of the (legacy suite of) construction equipment, will help break with the need to go for ever larger machines and facilitate the development of novel technologies that enable efficient accurate and reliable control, and the adoption of collaborative robots that are suitable for commercial on-site construction environments. Realising the disruptive potential of novel emerging technology paradigms that reconsider construction processes from the fundamentals can help supplant and substitute the legacy suite of tools with novel autonomous collaborative construction robots in an integrated, "designed-for-robotics" digital production and assembly chain. Such developments could also further enhance an emerging paradigm shift from today's complex mix of on-site construction tasks, towards a future of off-site fabrication and on-site assembly. Off-site fabrication offers industrial economic advantages of producing modularized building elements at scale in a controlled, digitalized and automated factory environment. For the construction sector this paradigm shift can deliver demand-side emissions reductions, by implementing strategies of digitalized structural efficiency and novel materials, as well as of zeroemission construction sites through electrification. This Pathfinder Challenge aims to address all construction tasks typically required for site preparation, substructure, and superstructure, as well as the coordination between 43 these tasks to support a transition towards building with autonomous electrified construction equipment. It

includes the role of human agents in construction processes, as even high degrees of multi-robotic autonomy with low degrees of supervision will require a collaborative connection between human and robotic agents, ensuring they can safely collaborate and share the same workspace.

Specific objectives The overall objective of this Challenge is the development of breakthrough technologies in the domain of autonomous collaborative on-site construction robots for an integrated, designed-for-robotics, digital production and assembly chain. The Challenge is open to the 3 main construction tasks applied to the 2 main construction segments of buildings and infrastructure. Innovative application in adjacent construction segments (for example coastal protection foundations for energy infrastructure) also fall within scope. Each funded project shall deliver the following 3 specific objectives:

Objective 1: Development of a simplified structural, load-bearing, material-robot building system to assemble a representative and future-relevant structure (pavilion) using a multitude of discrete modules (elements, segments, blocks, voussoirs). This system must demonstrate TRL4 (validation in laboratory environment) of the autonomous collaborative multirobotic assembly. The structure can represent an infrastructure (for example a bridge, tunnel, culvert, conduit), a building (for example a tower, vault, dome, arch, multi-story skeleton, wall) or other construction elements (for example a foundation, secant wall, barrier, sea wall). The building system can also integrate unprocessed and pre-processed in-situ building materials (rocks, sand, natural materials, demolition materials, disassembled elements). Projects are expected to demonstrate the technologies at least at a relevant human scale in terms of volume, mass and moment of inertia, and ideally at a larger real-world architectural scale, rather than at a laboratory desktop scale. Solutions are expected to incorporate “design-for-robotic-assembly” aspects, such as the robot-material interfaces, module interfaces and connectors, and may include innovative approaches such as embedded sensing in the modules. A virtual simulation of the disassembled state, various intermediate assembly stages (including temporary (robotic) support measures if necessary) and final assembled state is expected to be part of the systems development process. The project should include a documented validation of key design decisions (for example materials used 44 or configurations that simulate scaled behaviour) against the minimal requirements of the TRL4 demonstration objectives of the autonomous mobile multi-robotic collaborative platform.

Objective 2: Development of an autonomous mobile multi-robotic collaborative platform using at least two, preferably more, mutually aware collaborative robotic systems specifically designed for the assembly tasks outlined in Objective 1. This objective requires a structured systems engineering approach to conduct a thorough functional system analysis and to allocate system-level functions between humans and machines within the target autonomous mobile multi-robotic collaborative platform. The design should include the definition of system states and modes, along with the transitions between them, to ensure safe autonomous operations and effective demonstration of robot-robot and human-robot collaborations and interactions (passive, active, adaptive) at TRL4. The project should also describe how the proposed technology can be scaled to meet the full dimensions of the intended commercial application in future. Utilizing existing industrial robots or modifying suitable existing construction tools is allowed. However, these approaches may face workspace limitations when scaled to full commercial dimensions. Conversely, novel relative multi-robotic platforms could make full use of the opportunities of the material-robot system independent of scaling limitations in future.

Objective 3: Achieve a TRL4 demonstration of an autonomous assembly sequence using the demonstration building system developed in Objective 1, executed by the autonomous mobile multi-robotic collaborative platform developed in Objective 2. The demonstration of a subsequent disassembly sequence is optional but encouraged if the building system is designed for disassembly. The demonstration will take place in a laboratory environment, including tests that explore the system’s resilience and limits under controlled unstructured real-world conditions (for example fault tolerance, granular uneven surfaces, environmental obstacles). These tests aim to identify key weaknesses and recommend future technology developments. The specific objective of this challenge is to advance the digitalized chain of off-site modular production with on-site autonomous mobile multi-robotic collaborative assembly. Therefore, on-site 3D-printing of cementitious materials or polymers as a primary construction task is outside the scope of this challenge.

Expected Outcomes and Impacts: This Challenge contributes to the European Green Deal, the European AI Strategy, and the key strategic orientations of Horizon Europe for the digital and green transitions of the construction sector. The anticipated impacts of this Challenge include addressing likely shortages and competition in the labour markets, enhancing productivity and competitiveness within the construction industry, and improving worker safety. It will facilitate a shift towards offsite industrial fabrication coupled with onsite assembly and disassembly, reducing emissions from on-site construction activities, and lowering costs and mitigating risks associated with construction projects. This Challenge will also serve as a lighthouse for industrialization in important policy areas, such as affordable housing, the renovation wave, circular construction, and infrastructure development. The field of mobile construction robotics, in particular heterogeneous collaborative robots assembling discrete building elements, is challenging and multi-disciplinary. Given the nascent state of the enabling technologies, the cumulative impact of the portfolio of Pathfinder projects is expected to surpass that of individual projects. Consortia will benefit from mutual learning and the exchange of approaches and expertise in areas such as mapping, navigating and building awareness of unstructured environments, force-aware manipulation, swarm collectives, as well as commercialisation pathways. Furthermore, consortia will be encouraged to collaborate on developing performance metrics and communicate their outputs to the broader public with a view to accelerating the adoption of these radical innovations by the sector. Such valuable joint portfolio activities are anticipated to be discussed and agreed upon by the funded projects. The portfolio of projects selected will aim to cover a complementary set of projects that span the “application” and “approach” fields specified below and combinations thereof:

- Applications fields (super-structure, sub-structure, site-preparation, building, infrastructure, other construction, target type of environment).
- Approach (type of robot, number of agents, coordination strategy, level of autonomy, strategy for stability during assembly sequence, multi-modal sensors, resilience strategy for environmental variability, type of discrete building elements and fixations, level of integration of material-robot system). Specific conditions Applications for this Challenge with elements that concern the evolution of European communication networks (5G, post-5G and other technologies linked to the evolution of European communication networks) will be subject to restriction for the protection of European communication networks (see Annex II – Section B1)

Conditions

General conditions

1. Admissibility and eligibility conditions: In order to apply, your proposal must meet the general eligibility requirements (see Annex 2) as well as specific eligibility requirements for the Challenge (please see TOPIC DESCRIPTION above). Please check for particular elements (e.g., specific application focus or technology) in the respective Challenge chapter. The EIC Pathfinder Challenges support collaborative or individual research and innovation from consortia or from single legal entities established in a Member State or an Associated Country (unless stated otherwise in the specific Challenge chapter). In case of a consortium your proposal must be submitted by the coordinator on behalf of the consortium. Consortia of two entities must be comprised of independent legal entities from two different Member States or Associated Countries. Consortia of three or more entities must include as beneficiaries at least three legal entities, independent from each other and each established in a different country as follows: at least one legal entity established in a Member State; and at least two other independent legal entities, each established in different Member States or Associated Countries. The legal entities may for example be universities, research organisations, SMEs, start-ups, natural persons. In the case of single beneficiary projects, mid-caps and larger companies will not be permitted. Applications with elements that concern the evolution of European communication networks (5G, post-5G and other technologies linked to the evolution of European communication networks) will be subject to restriction for the protection of European communication networks (see Annex II – Section B1). The standard admissibility and eligibility conditions and the eligibility of applicants from third countries are detailed in Annex 2. Proposal page limit and layout: Described in Part B of the Application Form available in the Submission System. Sections 1 to 3 of the part B of your proposal, corresponding respectively to the evaluation criteria Excellence, Impact, and Quality and Efficiency of the Implementation, must consist of a maximum of 30 format A4 pages. Excess pages will be automatically made invisible, and will not be taken into consideration by the evaluators. Please also consult Annex 2 of the EIC Work Programme 2025 .
2. Eligible Countries Described in Annex 2 of the EIC Work Programme 2025 .
3. Other Eligible Conditions Described in the EIC Work Programme 2025 .
4. Financial and operational capacity and exclusion Described in Annex 2 of the EIC Work Programme 2025 . 5a. Evaluation and award: Award criteria, scoring and thresholds Described in section II of the EIC Work Programme 2025 . 5b. Evaluation and award: Submission and evaluation processes Described in section II of the EIC Work Programme 2025 and the Online Manual . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section II of the EIC Work Programme 2025 .
5. Legal and financial set-up of the grants Please refer to the Lump Sum Model Grant Agreement (Lump Sum MGA) used for Lump Sum EIC actions under Horizon Europe.
6. Specific conditions Described in the EIC Work Programme 2025 . Call documents: EIC Work Programme 2025 Frequently Asked Questions (FAQs) Standard Application Form (coming soon) Standard Evaluation Form (coming soon) Challenge Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Information on financial support to third parties (HE) Information on clinical studies (HE) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer

General Info

Topic ID : HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-02

Summary : Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-10-29T00:00:00.000+0100 **Start Date :** 2025-07-24T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-02>

Description

Scope: Background and scope Imaging is a crucial component of cancer clinical protocols, providing detailed morphological, structural, metabolic, and functional information. However, harnessing the full potential of the data generated through medical imaging in clinical settings remains challenging. Clinicians often struggle to combine diverse and large-scale data into a comprehensive view of patient care, disease progression, and treatment efficacy. The inability to seamlessly integrate and interpret diverse data sources result in suboptimal patient outcomes and inefficiencies in the delivery of healthcare. The integration of traditional Artificial Intelligence (AI) with medical imaging can transform healthcare, but most existing applications are still in their infancy and must overcome a number of challenges to accelerate adoption. These include AI applications being confined to single data modalities, which restricts their overall effectiveness (Monomodal Application); inadequate and insufficient data training, leading to data scarcity and a lack of generalizability, making them less reliable across diverse patient populations, including with regard to gender-sensitivity; and the lack of AI model interpretability, as many AI systems function as "black boxes," providing little insight into their decision-making processes. This lack of transparency limits trust in the systems and their usability in clinical settings. The goal of this Pathfinder Challenge is to create interactive GenAI autonomous agents and/or a combination of them (super-agent) that provide clinicians with a holistic end to end perspective of patient care, throughout the entire clinical pathway. These agents aim to enhance pattern identification, reduce inconsistencies and errors in diagnoses as well as improve cancer treatment. While the focus is on GenAI, we also encourage the integration of other advanced AI technologies, such as topological and geometric deep learning, neural fields, graph neural networks, etc., which can complement and enhance the robustness and effectiveness of GenAI-based solutions in addressing the challenges of cancer diagnosis and therapy. The Challenge will support early-stage groundbreaking research projects that will develop and validate novel approaches and concepts for integrating and interpreting multimodal medical imaging and health data. Additionally, it will involve generating reliable synthetic medical data, which will also be pooled to form a common database and used for the development of advanced algorithms. Specific Objectives Project proposals under this Challenge should focus on one (and only one) of the following diseases: breast cancer, cervical cancer, ovarian cancer, prostate cancer, lung cancer, brain cancer, stomach cancer or colorectal cancer. Each proposal should address both the following areas (at least one sub-objective from each of the areas): Area 1: Technological area GenAI-based tools for Integrating Multidimensional Multimodal health Data Investigate groundbreaking techniques and methodologies for developing GenAI algorithms that combine multidimensional (e.g. time dimension, space dimension) and multimodal data from various sources. These include multiple imaging modalities (e.g., MRI, CT, PET, X-ray), clinical data (e.g., electronic health records, lab results, structured and unstructured clinical data, pathology results, genetics and – omics

data, videos, knowledge databases, and other resources). The goal is to provide a comprehensive view of the patient's condition. The developed algorithms should be capable of producing unified and actionable datasets that can be exploited for the development of the AI tools described in Area 2 (clinical). Medical Data Augmentation Develop GenAI models based on groundbreaking techniques that are in the conceptual or initial experimental phase for medical data augmentation. These models should be capable of creating highly realistic synthetic medical data (images, genomics data, etc.) and generating complementary data from existing sources (for example producing synthetic CT images from MRI images), to support iterative cycles of model training. Medical Knowledge Representation and Integration Create an initial prototype GenAI model for medical knowledge representation and integration. This model should aim to develop a comprehensive and dynamic medical knowledge base, to identify discrete medical imaging features associated with demographic information and systemic conditions, to improve the interpretability of AI-based models and extract new knowledge not previously identifiable by experts without assistance. Area 2: Clinical Area Predictive Diagnosis Develop an interactive autonomous agent capable of assessing the likelihood of a patient developing cancer by analysing their medical history, imaging data, and genetic information. The agent should provide personalised health risk predictions, enabling early detection and preventive measures. Enhance Personalized Treatment Selection Develop novel AI algorithms and architectures that leverages multidimensional and multimodal data integration, along with synthetic data generation, to predict the optimal treatment pathway for specific patient conditions, as well as to forecast disease progression and treatment efficacy providing a comprehensive view of patient care. Appropriate performance metrics should be considered for the continuous evaluation and testing of the scientific and technical robustness (including accurately quantify uncertainties) of all developed algorithms and architectures in Areas 1 and 2. Rigorous testing against diverse datasets is essential to ensure that the models perform reliably across various patient demographics and conditions, thereby reducing the risk of skewed results and ensuring precision from diagnoses to therapy. Projects should also conduct proof of concept studies in controlled settings to demonstrate improved and more accurate diagnosis and treatment when compared to current clinical practice. The viability of the developed technologies should be evaluated, guiding further refinement and improvement. For instance, a super-agent could be validated for assisting and/or replacing clinicians through the whole clinical pathway of the patient, providing a holistic view of patient care, that is currently unachievable due to fragmented healthcare systems and associated expertise. The focus should also be on enhancing the interpretability of AI models/agents, making their decision-making processes more transparent and understandable to clinicians. This could involve developing cutting-edge techniques such as causal inference methods, explainable AI frameworks, or novel visualization tools that provide deeper insights into AI decision-making processes. The AI models developed under this Challenge are expected to comply with the EU concept for Trustworthy AI, relevant ethical principles, and the AI Act. In addition to focusing on performance, careful attention must be given to data quality, transparency, privacy, and security. Proposers are encouraged to leverage the data and tools available in the Cancer Image Europe platform (deployed in the context of the European Cancer Imaging Initiative) for their proposed work. In turn they should contribute the datasets, and developed AI tools and models to the platform under agreed conditions. All datasets produced should be described where possible with metadata records in the EU dataset catalogue of the European Health Data Space (EHDS) using the Health DCAT-AP metadata standard. Projects that address only one of the two 'Areas' or other cancer types will be considered "out" of scope. Expected Outcomes and Impacts: In support of the European AI Strategy and the Cancer Plan for Europe and the Cancer Mission this Challenge looks to support the development of the next generation models for cancer diagnosis and treatment, with Generative AI. This Challenge aims to create a collaborative environment where diverse expertise — including for example data science, informatics, oncology, radiology, pathology, medical physics, bioinformatics, geneticists, healthcare administrators, and patient advocacy groups — converges to address the complexities of developing autonomous agents for holistic patient care, through enhanced diagnosis and personalized treatment. The Challenge aspires to significantly improve patient care and reduce pressure on the healthcare system by leveraging advanced interactive autonomous agents for diagnosis and personalized treatment. By alleviating the burdens on clinicians and ensuring compliance with the EU concept for Trustworthy AI, the initiative will enhance the quality and reliability of medical services. Economically, it promises substantial cost reductions and cost avoidance, leading to long-term improvements in healthcare efficiency and sustainability. Ultimately, this challenge will foster innovation and establish Europe as a leader in the field, delivering profound benefits to patients, healthcare providers, and society at large. The portfolio of selected projects will be designed to deliver a set of agents/models for improved diagnosis and personalized treatment of the above-mentioned cancers. Specifically, the projects will collaborate to:

- Create a shared database of synthetically generated images to be used across all projects for the development of their algorithms;
- Compare the use of a combination of the agents in the case of multiple cancers;
- Benchmark agents for enhanced diagnosis and personalized treatment selection;
- Define innovative clinical pathways in oncology;
- Externally validate the developed agents within a project at clinical premises of another project in the portfolio;
- Develop standardized methods and frameworks for evaluating AI- Act and Medical Device Regulation (MDR)-compliant generative AI models. The portfolio of projects to be funded under this Challenge will be composed in such a way that they address ideally all cancers mentioned in this call, apply different technologies, and provide access to relevant clinical facilities and research infrastructures. The following categories will be used for the

composition: Category 1 – type of cancer Category 2 – type of technology Category 3 – access to appropriate infrastructure data and ecosystem integration. Specific conditions Applications for this Challenge with elements that concern the evolution of European communication networks (5G, post-5G and other technologies linked to the evolution of European communication networks) will be subject to restriction for the protection of European communication networks (see Annex II – Section B1)

Conditions

General conditions

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6. Specific conditions Described in the EIC Work Programme 2025 . Call Documents: EIC Work Programme 2025 Frequently Asked Questions (FAQs) Standard Application Form (coming soon) Standard Evaluation Form (coming soon) Challenge Guide Model Grant Agreements (MGA) Lump Sum MGA Call-specific instructions Detailed budget table (HE LS) Information on clinical studies (HE) Guidance: "Lump sums - what do I need to know?" Additional documents: HE Programme Guide HE Framework Programme 2021/695 HE Specific Programme Decision 2021/764 EU Financial Regulation 2018/1046 Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Biotech for Climate Resilient Crops and Plant-Based Biomanufacturing

General Info

Topic ID : HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-01

Summary : Biotech for Climate Resilient Crops and Plant-Based Biomanufacturing **Status** : Forthcoming

Deadline model : single-stage **Deadline** : 2025-10-29T00:00:00.000+0100 **Start Date** : 2025-07-24T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-01>

Description

Scope: Background and scope Land based agricultural production is the source of approximately 95% of human food nutrients (UN FAO). Intensive and often inappropriate practices in agriculture have however resulted in severe soil degradation, thereby reducing the capacity of soils to support food production and other important ecosystem services such as the regulation of water, nutrients, and carbon cycles. Soil degradation is further accelerated by the effects of climate change, with abiotic stresses such as heat, drought, salinity, and waterlogging, often in combination, having negative effects on the world's crop production. The direct impact of a changed climate is also frequently accompanied by indirect impacts due to alterations in the composition and behaviour of weeds, insects, pathogens, and soil microbiome, alongside the impacts of increased amounts of human-generated pollutants. Plants react to such stresses with what are often conflicting physiological and metabolic responses. These may prioritise one acclimatisation/adaptation strategy over the other, a blend of one or more responses, and/or through developing a completely new strategy, all of which can, in turn, impact final production including nutrient content. When combined with an increasing human population, likely to increase net demand for food, there is a clear rationale to reinforce existing food and nutrient production systems and explore complementary routes to food production that are more efficient, resilient, sustainable and maintain or increase biodiversity. This Pathfinder Challenge therefore aims to support projects that enhance adaptation pathways for the production of climate-resilient crops and develop alternative pathways to produce high value ingredients in plants by increasing nutrient profile of crops based on plant native and/or non-native ingredients. Specific Objectives Innovative ideas put forward under this Challenge must go beyond incremental changes to the state-of-the-art and result in novel production processes that must deliver energy- and resource-efficient, low emission foods that maintain or increase biodiversity and are integral to a healthy diet. Funded projects are expected to develop breakthrough technologies that reach TRL4 (validation in laboratory environment) with viable plants at the end of the projects. The proposals should work on both the following objectives:

- Increasing plant growth, yields and resistance to stress through:
 - o Enhancing tolerance to stress combinations occurring due to different climate scenarios that include the simultaneous exposure of crops to different stresses e.g. heat combined with drought, salinity, flooding, high CO₂ levels, as well as indirect effect of climate change via altered composition and behaviour of weeds, insects, pathogens and soil microbiome and possible impact of human-generated pollutants.
 - o Increasing water use efficiency and nutrient use efficiency compared to current crops in commercial use.
 - o Improving plant reproduction and seed filling processes under unfavourable conditions caused by combination of at least two stress factors.
 - o Investigating and enhancing plant and soil microbiome interactions.
- Substantially increasing the nutritional value (e.g. proteins, vitamins) in crops through plant native and non-native ingredients in crops. Projects must also develop a complete methodology for assessing the increase of plant growth, yields, and climate resilience to single and multiple stresses, and/or assess changes to the nutritional value of crops, as appropriate. Proposals should include multi-omics approaches including genomics, transcriptomics, proteomics, metabolomics and phenomics. These approaches can be further underpinned by leveraging technologies such as, but not limited to nanoparticle technology, chemistry, and advanced artificial intelligence to develop and introduce novel defence and acclimation strategies, currently not present in crops to achieve

greater tolerance to harsh environmental conditions and/or biomanufacturing of non-native ingredients, to enable the time required for that development to be significantly shortened. Proposals should also look to address the narrow genetic diversity of novel crops and are also expected to consider regulatory aspects and to build on the work carried out so far by the European Food and Safety Authority (EFSA), where appropriate. Expected Outcomes and Impacts: In support of Building the future with nature: Boosting Biotechnology and Biomanufacturing in the EU, the Mission Soil, the EU Green Deal, Farm to Fork strategy, the Nature Restoration Law, Fit for 55, and REPowerEU policy actions, the key overall goal of this Challenge is to support the production of sustainable and nutritious food from plants. This Challenge aims to support the development of climate smart crops and the production of high value plant native and non-native ingredients in a cost-effective and environmentally friendly manner. In the medium to long-term this will: • Improve the sustainability, efficiency, biodiversity and resilience of the European food supply chain. • Secure long-term competitiveness of EU Food supply chain while decreasing EU dependency on imports of inputs for primary production, feed, and food. The following principles will be used to select the portfolio of projects: Selected projects for the portfolio should have a synergy with one another in terms of a common component, for instance projects address similar stress factors for different crops or are leveraging a similar technology. A balanced representation of native and non-native ingredients. A balanced representation of conventional and New Genomic Techniques (NGTs). Diverse type of crops to ensure that the portfolio covers a broad spectrum, if possible, ensuring European geographical coverage where these crops are grown. Diverse stress factor combinations to ensure that a broad spectrum of stress factors is covered. Diversity in technological approaches to compare their efficiency. All projects will participate in a work package dedicated to the development of monitoring and prediction methodologies for climate adaptation assessment and lifecycle-analysis.

Conditions

General conditions

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Budget Overview

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Call for proposals for action grants to support transnational projects in the fields of e-Justice, victims' rights and procedural rights

General Info

Topic ID : JUST-2025-JACC-EJUSTICE

Summary : Call for proposals for action grants to support transnational projects in the fields of e-Justice, victims' rights and procedural rights **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-10-02T00:00:00.000+0200 **Start Date :** 2025-05-06T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/JUST-2025-JACC-EJUSTICE>

Description

Scope: The call for proposals aims to facilitate effective and non-discriminatory access to justice for all, and effective redress, including by electronic means (e-Justice), by promoting efficient civil, and criminal procedures, and by promoting and supporting the rights of all victims of crime as well as the procedural rights of suspects and accused persons in criminal proceedings. This biennial call for proposals, under the Access to justice specific objective, covers two priorities: E-justice priority Victims' rights and procedural rights priority For more information, please consult the Call document .

Conditions

Conditions

1. Admissibility Conditions: Proposal page limit and layout Proposal page limits and layout are described in: Section 5 of the call document . Part B of the Application Form available in the Submission System.
2. Eligible Countries Described in section 6 of the call document and in the list of participating countries .
3. Other Eligible Conditions Described in section 6 of the call document .

4. Financial and operational capacity and exclusion Described in section 7 of the call document . 5a. Evaluation and award: Submission and evaluation processes Described in section 8 of the call document . 5b. Evaluation and award: Award criteria, scoring and thresholds Described in section 9 the call document . 5c. Evaluation and award: Indicative timeline for evaluation and grant agreement Described in section 4 of the call document : Opening for submission: 6 May 2025 Deadline for submitting applications: 2 October 2025, 17:00 (Brussels time) . Evaluation period: October 2025 - January 2026 . Information to applicants: February - March 2026 . Signature of grant agreements: April - May 2026 .
5. Legal and financial set-up of the grants Described in section 10 of the call document . Call document and annexes: Call document Application form templates Standard application form (JUST) — the application form specific to this call is available in the Submission System Detailed budget table (JUST LSII)
 - Detailed budget template to facilitate the planning of your project 90% co-financing Declaration on Honour regarding CPP by public entities Model Grant Agreements (MGA) Lump Sum MGA Additional documents: EU Financial Regulation 2024/2509 Regulation establishing the Justice Programme 2021/693 JUST Work Programme Decision authorising the use of lump sums for actions under the Justice programme (2021-2027) Guidance: How to manage your lump sum grants Rules for Legal Entity Validation, LEAR Appointment and Financial Capacity Assessment EU Grants AGA — Annotated Model Grant Agreement Funding & Tenders Portal Online Manual Funding & Tenders Portal Terms and Conditions Funding & Tenders Portal Privacy Statement

Budget Overview

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Waste-to-value devices - circular production of renewable fuels, chemicals and materials

General Info

Topic ID : HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-04

Summary : Waste-to-value devices - circular production of renewable fuels, chemicals and materials **Status :** Forthcoming

Deadline model : single-stage **Deadline :** 2025-10-29T00:00:00.000+0100 **Start Date :** 2025-07-24T00:00:00.000+0200

Link : <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-EIC-2025-PATHFINDERCHALLENGES-01-04>

Description

Scope: Background and scope Fossil fuels supply a majority of the world's energy and also provide the raw materials, or feedstocks, for many essential everyday products. While energy provision is becoming increasingly decarbonized, the production of fuels, chemicals and materials requires carbon atoms as feedstocks. However, their production can be “de-fossilized”, by utilising renewable energy and alternative carbon sources. Likewise, a circular economy approach offers scope to reduce external dependencies and source other essential molecular feedstocks including critical raw materials from wastes. This Pathfinder Challenge therefore focuses on the development of next generation technologies that turn today's problematic waste streams into essential building blocks of a future circular economy. Furthermore, it specifically focusses on currently non- or hard-to-recycle types of synthetic polymer materials (including among other mixtures of different types of plastics, polymeric composite materials, micro-/nanoplastics, untreated plastic waste, diapers, rubber, etc.), flue gases, wastewater and seawater desalination brines. Proposals must target real-life industrial and household waste streams where current recycling methods face insurmountable barriers e.g., due to impurities, the presence of noxious additives, inseparable material mixtures or nonbiodegradable materials. An important side effect is the remediation of waste streams with respect to micro-/nanoplastics, trace metals and noxious substances. These novel technologies should be scalable, easily applicable and deliver products with higher economic value as compared to waste

destruction. The scope of technological solutions addressed in this Challenge is limited to the following technologies with currently low Technology Readiness Levels (TRLs), where significant synergies by working in a Challenge portfolio are expected: solar reforming and synthetic biology devices, brine mining and integrated capture and conversion technologies. Microbial-based and photocatalytic remediation processes are included as well. Computational material science and AI, and bottom-up synthetic biology are supported as key enablers at the fundamental research level. Thermochemical approaches (such as pyrolysis or gasification) and “dark” (not lightdriven) chemical recycling are out-of-scope of this Pathfinder Challenge. Likewise, food and biomass waste, traditional bulk metal waste, glass, paper, cardboard and mono-PET waste are also out of scope. Specific objectives The Challenge seeks ambitious proposals that address one (and only one) of the following focus areas: Area 1: Fully integrated waste-to-value devices This includes 1) devices for converting waste streams into (feedstock for) fuels, chemicals and materials and 2) devices for remediation; where processes are solely driven by renewable energy sources (preferably directly by sunlight) and focus on the selective production of added value products, beyond hydrogen as the sole end product: Fully integrated solar reforming or synthetic biology devices, enabling the treatment of synthetic polymer materials, while delivering fast and efficient decomposition under sustainable reaction conditions (including the use of process chemicals). Integrated capture and conversion technologies, capturing and converting feedstock from flue gases, or wastewater in a single step/ single device into fuels, chemicals and materials, providing increased energy- and materials efficiency as compared to not fully integrated process chains. Membrane-based and electrochemical brine mining technologies recovering raw materials, CO₂ and water from seawater desalinisation brines. Ex-situ remediation devices based on microbial/enzymatic and/or photocatalytic degradation, both purifying wastewater and seawater of noxious substances, metals, or nano-/microplastics, and producing added value remediation products. This should take place in a reactor, not in the open field. Proposals addressing only parts of the full waste-to-value process (e.g., half reactions) will not be considered. Integrated hybrid approaches, at the interface of various disciplines, and autonomously operating devices continuously optimized with AI, are particularly welcome. The resulting devices must reach TRL 4 within the 3–4-year project lifetime. The associated processes must not down-cycle the waste substrate but create products of higher economic and environmental value as compared to the initial waste stream. They must be energy and material-efficient and fully sustainable, minimising the associated energy, water, chemicals and land footprint. Operating conditions (e.g., related to temperature, pressure and the use of additional chemicals) should be optimised and the circular use of process consumables, such as water, catalyst materials or chemical additives maximised. They must deploy environmentally safe, stable materials, with non-toxic degradation products and the developed devices must be recyclable-by-design. Proposals must take a holistic view of the complete waste valorisation chain by optimising the different elements (pre-treatment, conversion, product separation and storage) with respect to one another. The systems must also be robust and easy-to-handle to allow operations that are independent from large-scale infrastructures, with extended lifetimes and a capability to treat real-life waste streams which have undergone minimal sorting and pre-treatment. Proposals have to clearly indicate how the proposed solution benchmarks against industrially deployed recycling methods such as mechanical recycling, composting, biogas fermentation or waste-to-energy technologies, and emerging recycling methods such as chemical recycling or thermochemical approaches. Area 2: Understanding underlying mechanisms by means of computational material science and AI Projects in this focus area must deliver advances and scientific breakthroughs in the fundamental understanding of the underlying physical, chemical, and biological processes that will enable fully sustainable and scalable waste-to-value devices. Projects should address all the following specific objectives:

- Explore fundamental phenomena crucial to multiple waste-to-value device types, such as the development of efficient, stable and inexpensive catalysts, interface engineering and the effect of the surrounding medium.
- Develop more accurate and less resource-intensive quantum mechanical and AI methods to guide, predict and interpret reliably experimental works.
- Bridge the scales from describing properties at the atomic, mesoscopic level up to the macroscopic device level within a multiscale approach and describe phenomena over different timescales.
- Adopt a holistic approach to exploring phenomena applicable to multiple waste-to-value device types (aligned with Area 1). Devices stemming from Area 1 should serve to validate the developed theoretical models. Area 3: Cells from scratch by means of bottom-up synthetic biology Projects in this area must look to deliver scientific breakthroughs in bottom-up synthetic biology to enable the use of tailored microbial cell factories for the degradation and valorisation of waste and the production of fossil-free fuels, chemicals, and materials. Projects should address all the following specific objectives:
- Develop synthetic, fully artificial cells for future large-scale biotechnology applications, tailored to deliver desired functionalities such as carbon fixation or synthetic polymer decomposition.
- Engineer cell-like systems to produce compounds from abundantly available building blocks, such as water and carbon oxides.
- Engineer cell-like systems to decompose diverse types of waste, in particular synthetic plastic waste, into compounds that are valorisable as feedstock for a downstream production of fuels, chemicals and materials. At this stage, systems will not have to be completely autonomous and self-replicating, but the integration of different modules should be implemented. Expected outcomes and impacts This Challenge is in line with REPowerEU and Fit for 55. It is compliant with the Renewable Energy Directive, the Waste Framework Directive and the Critical Raw Materials Act. It supports the EU’s Circular Economy Action Plan (CEAP) and the herein included Plastics

- strategy. It builds on the Industrial Carbon Management strategy, the Communication on Sustainable Carbon Cycles, and the Directive on the promotion of the use of energy from renewable sources. The portfolio of projects selected under this Challenge are expected to collectively cover Areas 1, 2 and 3. A maximum of one proposal from each of Areas 2 and 3 will be selected, whereas the aim for Area 1 is to select proposals that cover as many device categories (i-iv) as possible. Combining these three aspects into a single portfolio with close interaction between the projects and a commonly developed vision is expected to significantly speed up the innovation journey by driving synergies and mutual learning. The resulting portfolio of projects will in time contribute to:
- Local energy and resource supply, allowing communities and remote areas to have access to reliable and sustainable waste recycling, supporting the local production of fuels, chemicals and materials. Reduction/ eventual independence from the importation of critical raw materials in the context of increasing demand for such materials for renewable energy and fuel technologies.
 - Increased share of recycled waste, minimizing waste disposal in open dumps, landfills and incineration and the related negative impacts on our environment.
 - Micro-/nano plastic removal, towards a zero-brine discharge.
 - Decentralised, circular production of fuels, chemicals and materials where waste serves as an indispensable local resource enabling on-site production replacing fossil resources. Reduction in the demand for fossil fuels alongside associated CO₂ and pollutant emissions reductions.

Conditions

General conditions

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Budget Overview

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