

Pre-PAI: Preparation for the development of the AI-on-demand platform

Vision, Goals, Outcomes, Deliverables

Joachim Köhler | Info session for Call 3 of the Digital Europe Programme - Deployment of the AI-on-demand platform | 25.11.2022

Agenda

- Vision and Status of the Platform
- Goals of the Pre-PAI (Objectives)
- Project Partners & WP-Structure
- KPI, Milestones, Deliverables & Timeline
- Summary & Outlook

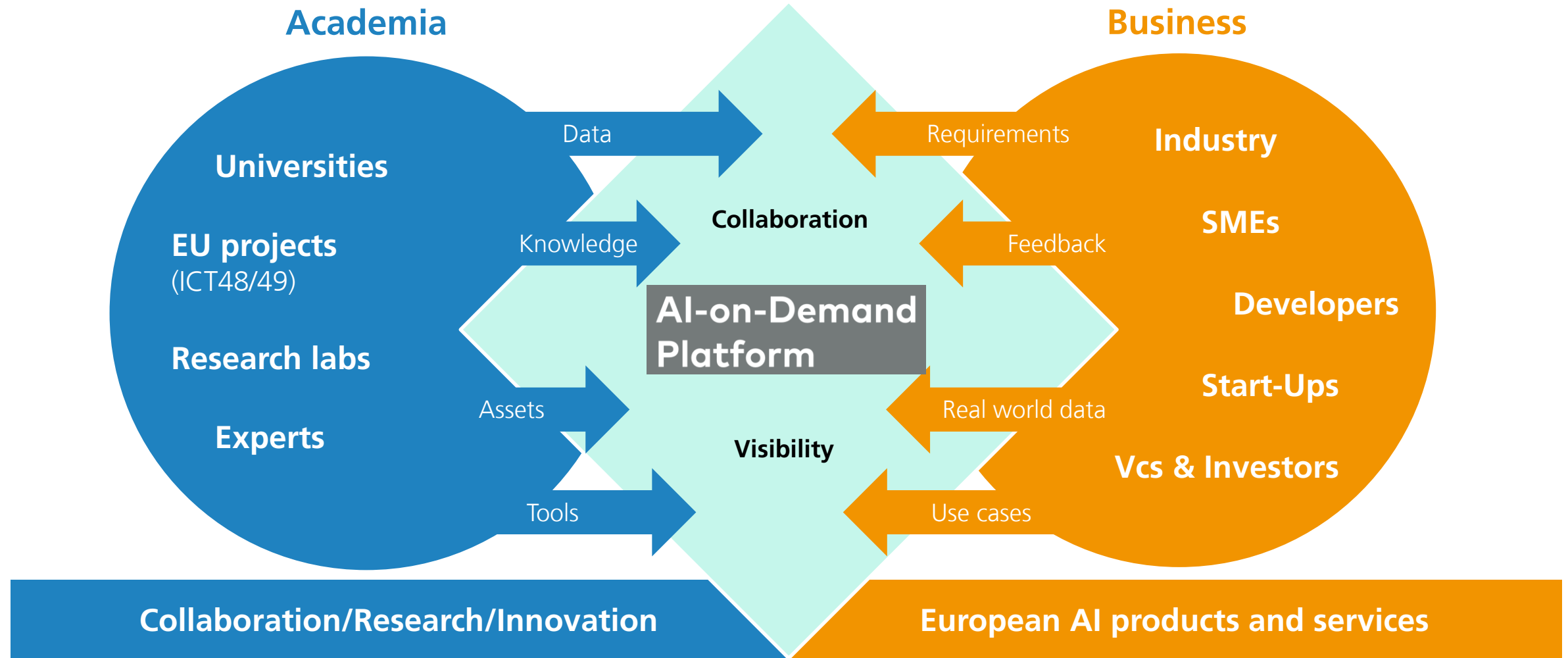


01

Vision and Status of the European AI On-Demand Platform

The European AI On-Demand Platform

AloDP as Bridge & Catalyst between the European AI research and industry



The European AI On-Demand Platform

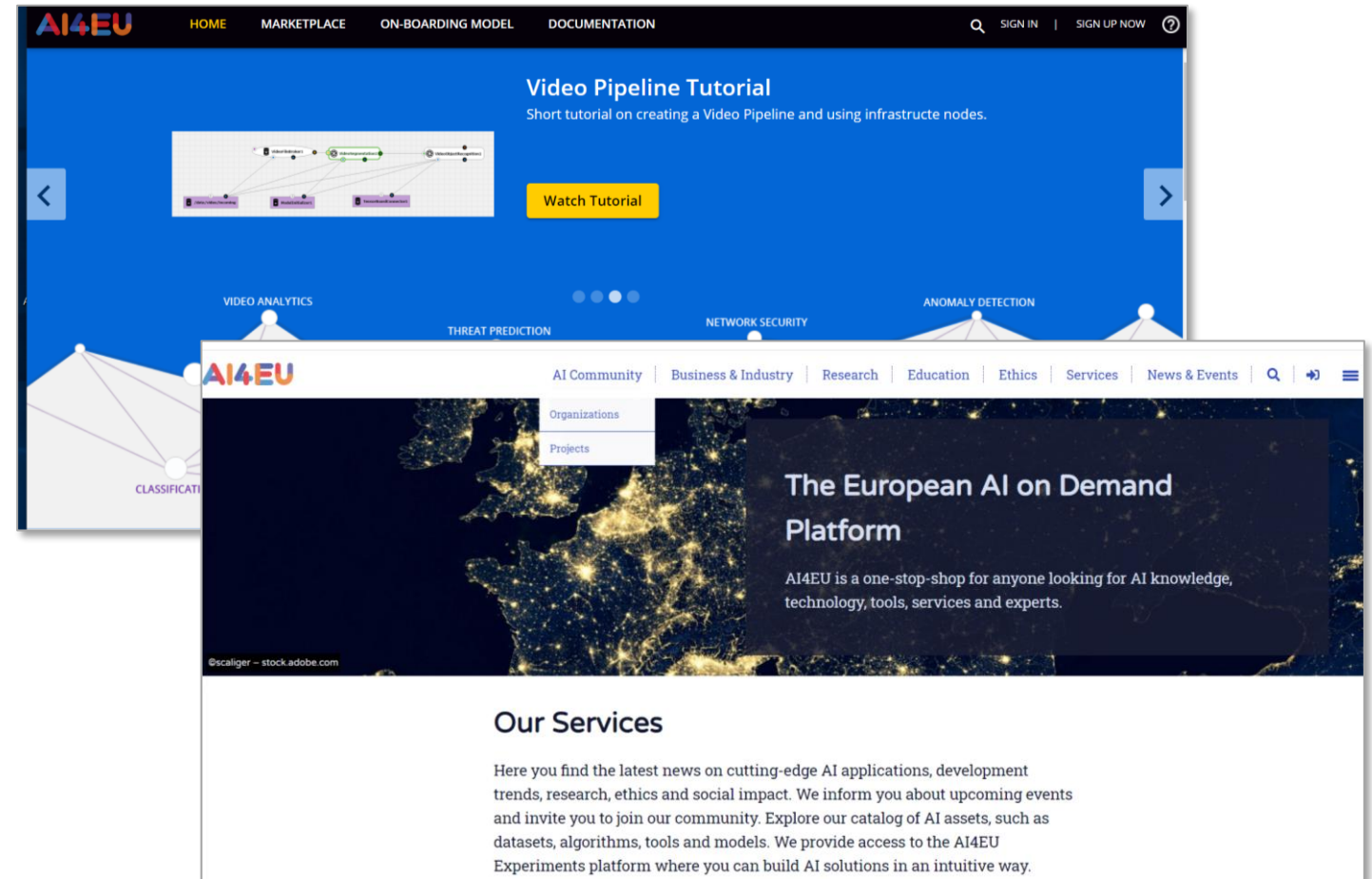
www.ai4europe.eu

AI Experiments platform

- AI solutions with a marketplace
- Build your own AI solutions in a visual editor

AI Ecosystem (CMS)

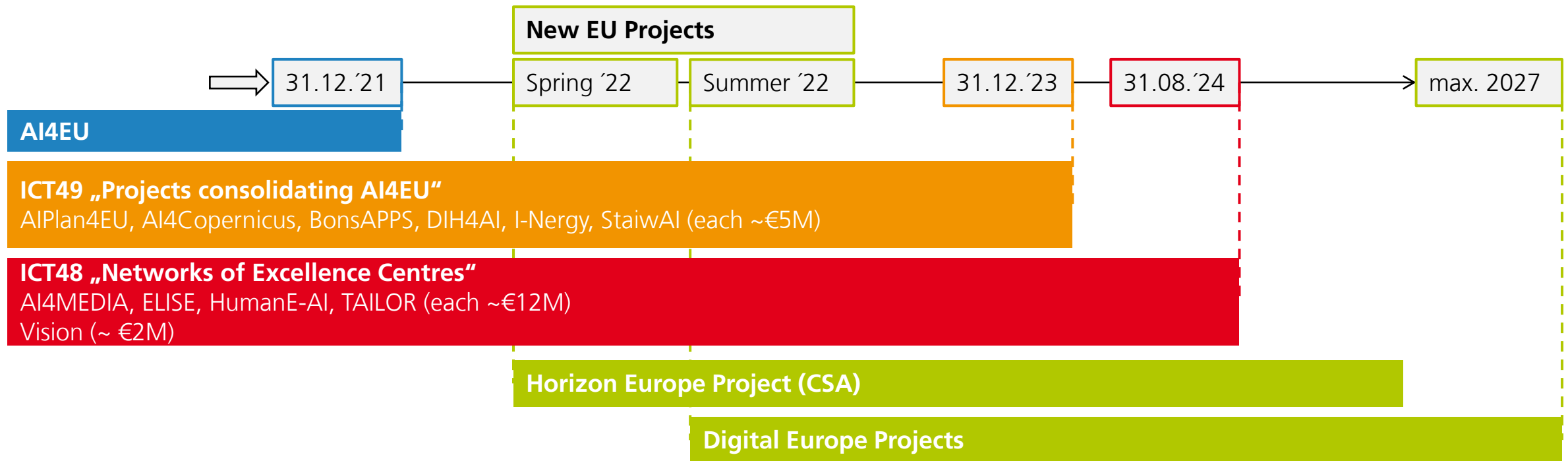
- AI catalog
- Tutorials
- News & Events



AloDP: Timeline

Continuation in multiplen projects and initiatives

- Technical governance board is continued after AI4EU ends
- Platform sustainability is covered by affiliated EU project(s)
- AI4EUROPE has started



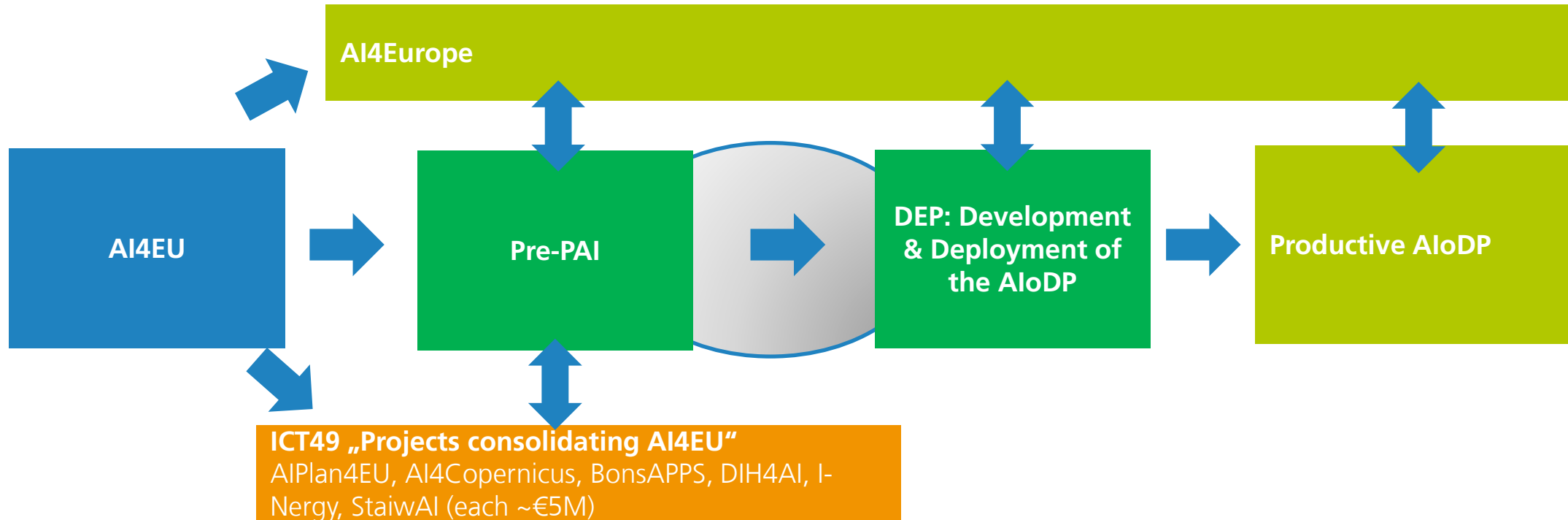


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Goal of the Pre-PAI Project (Objectives)

Towards a Productive & Used AloDP in Europe

Dependencies of Initiatives in European (Horizon, DEP, ...)



Blueprint for the European AI-on-demand platform

The results of Pre-PAI should be implemented in the DIGITAL-2022-CLOUD-AI-03 Project

Multiple Stakeholder:

- SMEs
- Start-Ups
- EDIHs
- DEP projects and initiatives: Cloud, TEFs, Dataspaces
- Large Industry
- Public Administration
- European Society
- ...



Requirements:

- Features, Services of the AloDP to increase attractiveness and usability
- AI content (Gap Analysis)
- Technical requirements
- Trustworthiness and European AI policy
- Usage of AI resources (build AI applications)



DEP: Development & Deployment of the AloDP

Output based methodology

Outcomes (call)

Roadmap and plan to deploy AI on demand platform (O1)

Gap analysis and mapping of AI solutions procured by public administration (O2)

AI made in Europe (O3)

Sustainability Plan (O4)

Work packages

WP1: Project Coordination

WP2: Stakeholder Workshops and Consultations

WP3: Trustworthy AI

WP4: Long Term Strategy

WP5: Mechanisms and Technical Requirements

Activities (call)

Stakeholder Requirements (A1)

AI Tools Map (A2)

Trustworthy AI (A3)

Sustainability (A4)

Technical Requirements (A5)

Connect to/with TEFS, DIHS (A6)

03

Project Partners & WP-Structure

The Pre-PAI Consortium and Facts

Pave the way for the incoming AloD deployment action in DEP

- **Duration:** 1.11.2022 – 31.07.2023 (just 9 month)
- **Partners:**
 - 20 consortium partners
 - 2 associated partners
- Overall Funding: almost 1 Mio. Euro
- **Coordinator:** Fraunhofer IAIS
- Scope:
 - Stakeholder driven requirements & technical mechanisms for further development and deployment of the AloDP
 - Governance & sustainability of the AloDP

Partner	Partners
Fraunhofer IAIS	Intellera
University College Cork	IONOS SE
Aalto University	Open & Agile Smart Cities
ALLAI	Policy Lab
National Center for Scientific Research "Demokritos"	SAP
Stichting EGI	Siemens
EIT Digital	Telenor
Engineering	University of Bologna
European DIGITAL SME Alliance	Hub France IA
Bruno Kessler Foundation	Big Data Value Association
Fundingbox Communities SL	Eclipse Foundation

Pre-PAI Work Plan Structure

4.1 Work plan

Work plan

Provide a brief description of the overall structure of the work plan (list of work packages or graphical presentation (Pert chart or similar)).

The activities in the project are divided in five Work packages as visualized in Figure 2. The WPs are aligned with the activities described in section 1.1 to cover all objectives. WP1 and 2 play a central role as they are ensuring to distribute the external information sources of the target stakeholders' perspectives to the respective WPs 3, 4 and 5.

WP1 is designed to coordinate the project and ensure effective decision-making, communication, and seamless operation for the working groups. *It is led by FHG.*

WP2 will collect and consolidate the requirements and needs of the stakeholders' community and it will provide a gap analysis of requirements w.r.t. what is presently available on the AI-on-demand platform as an AI tools mapping. *It is led by HFIA.*

WP3 defines requirements and mechanism to foster Trustworthy AI through the platform. This includes technical and non-technical aspects, which ensure that all AI tools on the platform are trustworthy, in compliance with the future AI regulatory framework, and "made in Europe". *It is led by SAG.*

WP4 focuses on the sustainability of the platform after expiry of the grant(s). It develops a sustainability plan that includes an evolving business model, an operational model, and a legal and governance structure. Further it will connect the platform through key relationships, and strategic initiatives and projects with the European AI landscape. *It is led by UCC.*

WP5 is designed to develop a plan for the further technical development of the platform. This relies on the aspects ease of use and user experience for the target stakeholders, and support of AI tools and computing providers (from WP2). These aspects are translated into technical requirements for future development of the platform. *It is led by DSME.*

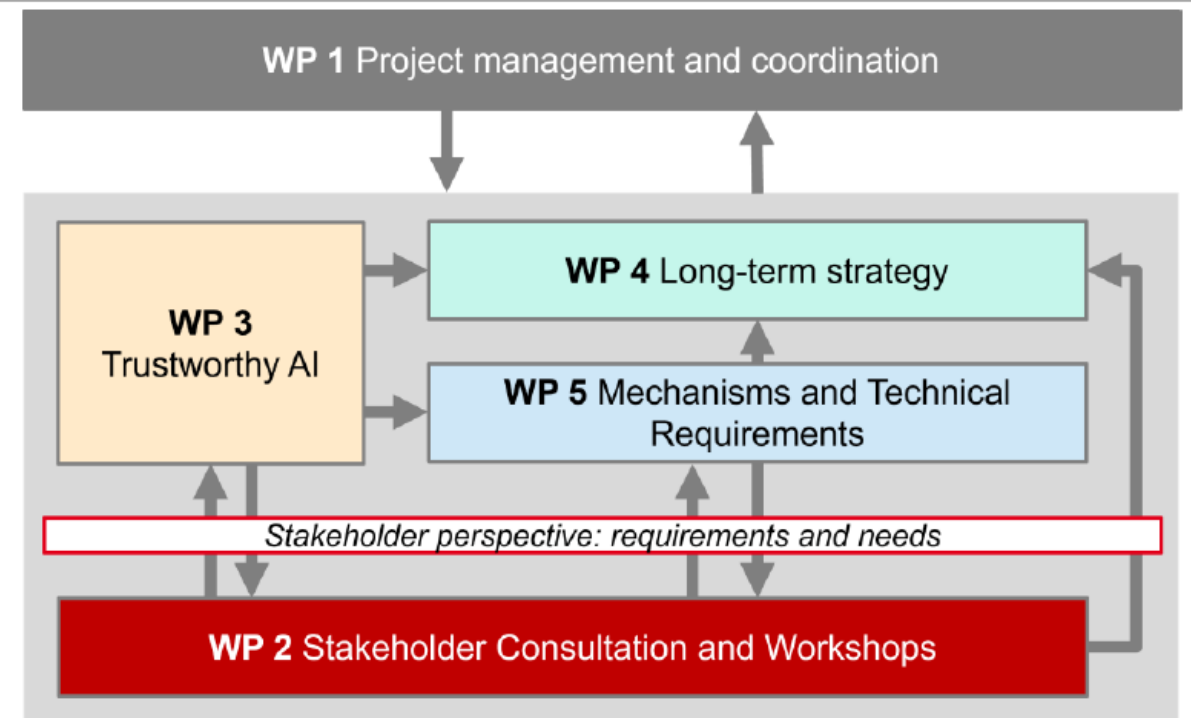


Figure 2: Pert chart of project breakdown structure.

ACTIVITY	MONTHS								
	M 1	M 2	M 3	M 4	M 5	M 6	M 7	M 8	M 9
WP1	MS1								MS4
Task 1.1 – Administration, quality, financial, and risk management									
Task 1.2 – WP interconnections, communication and controlling									
WP2	MS1				MS2			MS3	MS4
Task 2.1 – Methodology and coordination									
Task 2.2 – SMEs and Large Industry									
Task 2.3 – Public Bodies w/ AI Tools Map									
Task 2.4 – TEFs and DIHs									
Task 2.5 – HPC, Cloud, Edge									
WP3					MS2			MS3	
Task 3.1 – Technical and non-technical mechanisms for trustworthy AI – identification and definition									
Task 3.2 – Procedural mechanisms for trustworthy AI									
Task 3.3 – Integrated assessment system for AI resources on the AI-on-demand platform									
WP4					MS2				MS4
Task 4.1 – Sustainability plan (incl. long-term strategy, business plan and models, legal and governance)									
Task 4.2 – Strategic engagement with the European AI Ecosystem and connected communities									
WP5	MS1				MS2			MS3	MS4
Task 5.1 – Technical Requirements for AI Tools and their Interoperability									
Task 5.2 – Technical Requirements to interconnect with existing platforms and DIHs and further tribalization of the platform									
Task 5.3 – Train-the-trainer programme: use of AI for digital transformation									

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Milestones, KPI, Deliverables & Timeline

Milestones

MS No	Name	WP	Due	Verification
MS1	Project initialization	1, 2, 5	M1	<ul style="list-style-type: none"> • kick-off of the project (WP1) • Common methodology of workshops and consultations (WP2) • List of the assets within the platform (WP5)
MS2	Sharing intermediate results	2, 3, 4, 5	M5	<ul style="list-style-type: none"> • Intermediate requirements or technology gaps from interactions with stakeholders (WP2) • Intermediate list of recommended mechanisms to ensure Trustworthy assets/content and mechanisms (WP3) • Workshop to receive feedback on the preliminary finding on potential sustainability models (WP4) • List of needs of EDIHs, TEF, Public Admin, Resource providers (WP5)
MS3	Consolidation of results	2, 3, 4, 5	M8	<ul style="list-style-type: none"> • Deliverables D2.1 (stakeholder requirements), D3.1 (trustworthy mechanisms) and D5.1 (technical specifications) sent to coordinator to consolidate into D1.2 (roadmap and plan)
MS4	Finalization of project outcomes	1, 2, 4, 5	M9	<ul style="list-style-type: none"> • project outcomes D1.2 (roadmap and plan), D2.2 (gap analysis) and D4.1 (sustainability model) are delivered, measured against KPIs which are aimed to fulfill

Work Plan: Deliverables Overview

WP2: Stakeholder Consultation and Workshops (HFIA)

- D2.1: Stakeholders' Requirements
- D2.2: Gap Analysis

WP3: Trustworthy AI (SAG)

- D3.1: Report Operationalizing Trustworthy AI

WP4: Long-term strategy (UCC)

- D4.1: Consolidated report on Sustainability plans and Engagement activities

WP5: Mechanisms and Technical Requirements (DSME)

- D5.1: Technical Requirements for AI-on-demand platform
- D5.2: Train-the-trainer programme guidelines

D1.2 Final roadmap and plan

Communication of results of Pre-PAI

- Intermediate results will be published on <https://www.ai4europe.eu/ai-community>
- Mainly results of the milestones (M2, M3, M4)
- If you have questions, please contact us:
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 - Joachim.Koehler@iais.fraunhofer.de

