Contact information

Name of applicant:
e-mail address:
Organization:

Service and activity descriptions

Describe the services that will be concerned by technical integration, consolidation and operations. Please provide a service description with a user point of view and make a distinction between final services and services components (enhancing parts of a service).
Thematic Service
Please provide as many service entries as necessary. Service is defined as: "the way to provide value to customers through bringing about results that they want to achieve".

Service overview	
Thematic Service name	*Provide name*
Service description	*Provide (1) a High-level description of what the service does in terms of functionalities it provides to the end users, (2) the resources it enables access to, (3) a link to relevant documentation.* *Note: Provide information about the service capabilities from a user point of view. Enabling/Enhancing components of a service are described later on in the template.*
Service provider	*Provider organization (s)*
Service catalogue	*If the service is part of an existing service catalogue, please provide a reference to such catalogue, for example with a link to an online document, web site etc. If the service is planned to become part of a catalogue in the future, please describe such plan.*
Value	*Please specify the benefit to a customer and their users delivered by the service; benefits are usually related to alleviating pains (e.g., eliminate undesired outcomes, obstacles or risks) or producing gains (e.g. increased performance, social gains, positive emotions or cost saving).*

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Current TLR level1, acceptance criteria and validation/verification results	*Provide information about (1) service status in terms of completeness and maturity (including link to relevant documentation), (2) service acceptance criteria defined by customers and/or users (including e.g. aspects related to interoperability, availability, installability, performance, portability, recoverability, safety, scalability, usability; (3) results of validation and verification activities involving service providers and user communities.*
Access policy	*Please specify any relevant access policies related to the service. Examples are: Policy-based: users are granted access to the service based on policies defined by the service provider(s); Wide access: users can freely access the service provided; Market-driven: users can negotiate a fee to access the service either directly with the service provider2*
Terms of use	*Please provide a reference to the service terms of use, i.e. the rules which one must agree to abide by in order to use the service*
User groups and scientific disciplines served	*Specify for whom the service is intended*
Service business model	*Define estimated cost of ownership/year, funding streams and sustainability plans.*

Service architecture
Define the service by describing its components. A service is usually composed of different service components that enable or enhance the service. A service component is a logical part of a service that provides a function enabling or enhancing a service. Although a service component underlies one or more services, it usually does not create value for a customer alone and is therefore not a service by itself. Examples of service component are software, and services that are provided or could be provided by e-Infrastructures. For example:
- EGI https://www.egi.eu/services/
- EUDAT https://eudat.eu/services-support
- INDIGO https://www.indigo-datacloud.eu/service-component

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1 Technology Readiness Level:
https://ec.europa.eu/research/participants/data/ref/h2020/wp/2014_2015/annexes/h2020-wp1415-annex-g-trl_en.pdf
2 See the Charter of Access for examples of policies applicable to research e-Infrastructures:
https://ec.europa.eu/research/infrastructures/index_en.cfm?pg=access_ri

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Service components	Name of component	Functional description, applicable standards and needed resource capacity (if applicable) e.g. CPU Time, storage capacity etc.	Provider If already appointed

Service integration with generic e-Infrastructures
If applicable. Define the proposed technical integration/service enhancement activities for this service that are proposed to be funded in the project. For example software integration activities that concern general e-Infrastructure capabilities, like those provided by EGI, EUDAT, INDIGO-DataCloud and other software.

Integration activity and concerned service components	Describe here the service integration activities, the involved service components and the estimated effort necessary to complete the activity. Define cross-e-Infrastructure integration activities if applicable (EGI, EUDAT or others)
Overall necessary effort (Person Months) and timeline	Please provide an estimation (in PMs) of the effort needed for these integration activities.
List of requested service components	List any services, resources and software that would be requested from e-Infrastructures (compute, storage, data, identity provisioning, authentication, authorization etc.) to achieve this integration.

Infrastructure integration
This activity addresses challenge 2 of EINFRA-12 (A): "seamless operation of highly scalable and agile data and computing platforms and services dedicated to analytics including hardware and software components, database, compilers, analytics software, supported to easy user entry points for the community of users". By filling this section the applicant commits to make the service discoverable in a central service catalogue and available for access by international user communities.

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Description of infrastructure integration activities relevant to the proposed thematic service (to be planned in the project)	Please describe the relevant activities needed to integrate the underlying infrastructure (compute, storage, etc.) supporting the thematic service. Please specify whether infrastructure integration activities related to this infrastructure are already in place and can be used (as in-kind contribution) to support wider usage and exploitation.
Training *to develop human capital and generate innovation by fostering adoption by new user communities. Training activities requested in this project must be specific to this call and to the thematic services in scope in your expression of interest. They must not duplicate training activities already funded by other initiatives and projects.*	
Description of training activities relevant to the proposed thematic service (to be planned in the project)	Please define the type and scope of training activities related to the general usage and exploitation of the service which could be planned as part of the project. Please indicate whether training activities related to the service are already in place and can be used (as in-kind contribution) to support wider usage and exploitation.

Relevance to EINFRA-12 (A) challenges

EINFRA-12 (A) challenge (**remove those that are not addressed by your activity**)	*Specify your contribution to the challenges highlighted by the e-INFRA-12 (a) call, providing whenever possible concrete examples and key performance indicators.*
1. The operation of a federated European data and distributed computing infrastructure for research and education communities will optimise the access to IT equipment and services	
2. All European researchers and educators are in equal footing to access essential resources	
3. Partnerships with industrial and private partners	
4. Train people in research and academic	

organisations	
5. Avoid the locking-in to particular hardware or software platforms	
6. More scientific communities will use storage and computing infrastructures with state-of-the-art services	
7. The open nature of the infrastructure will allow scientists, educators and students to improve the service quality	
8. Increase the incentives for scientific discovery and collaboration across disciplinary and geographical boundaries. It will further develop the European economic innovation capacity and provide stability to the e-infrastructure.	

Information on innovation, dissemination and exploitation

Provide provide information about the expected impact of your service in terms of innovation and potential for wider dissemination and exploitation.

(1) **Innovation** *is the process, including its outcome, by which new ideas respond to societal or economic needs and demand and generate new products, services or business and organisational models that are successfully introduced into an existing market or that are able to create new markets and that contribute value to society. Innovation capacity is the potential to stimulate further innovations beyond the project objectives and in new areas, and/or increase the amount of benefits delivered.*

(2) **Dissemination** *is defined as "the public disclosure of the results by any appropriate means (other than resulting from protecting or exploiting the results), including by scientific publications in any medium". Possible dissemination aims are: within the organization, within the project partnership, towards core target groups, other stakeholders and decision makers, and other countries/sectors.*

(3) **Exploitation** *is the process, including its outcome, by which new ideas respond to societal or economic needs and demand and generate new products, services or business and organisational models that are successfully introduced into an existing market or that are able to create new markets and that contribute value to society.*