



EOSC-hub

Integrating and managing services for the
European Open Science Cloud

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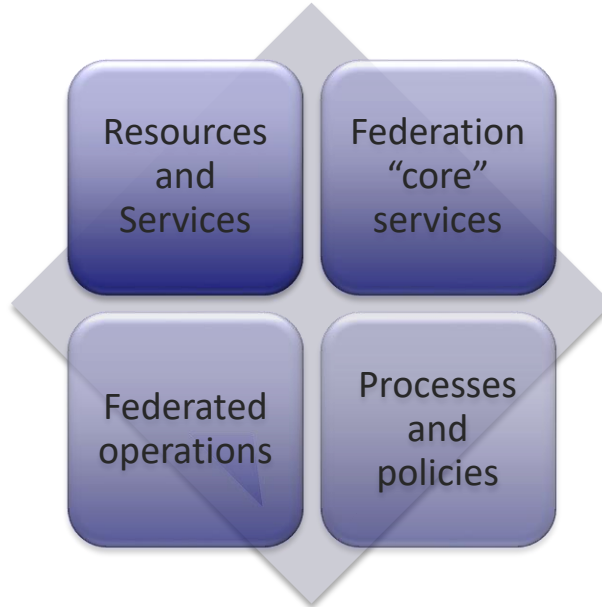


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EOSC-hub mobilises providers from **20** major digital infrastructures, EGI, EUDAT CDI and INDIGO-DataCloud **jointly** offering **services, software and data** for advanced data-driven research and innovation.

Mission

The project will create the **Hub** a **federated** integration and management system for the future EOOSC



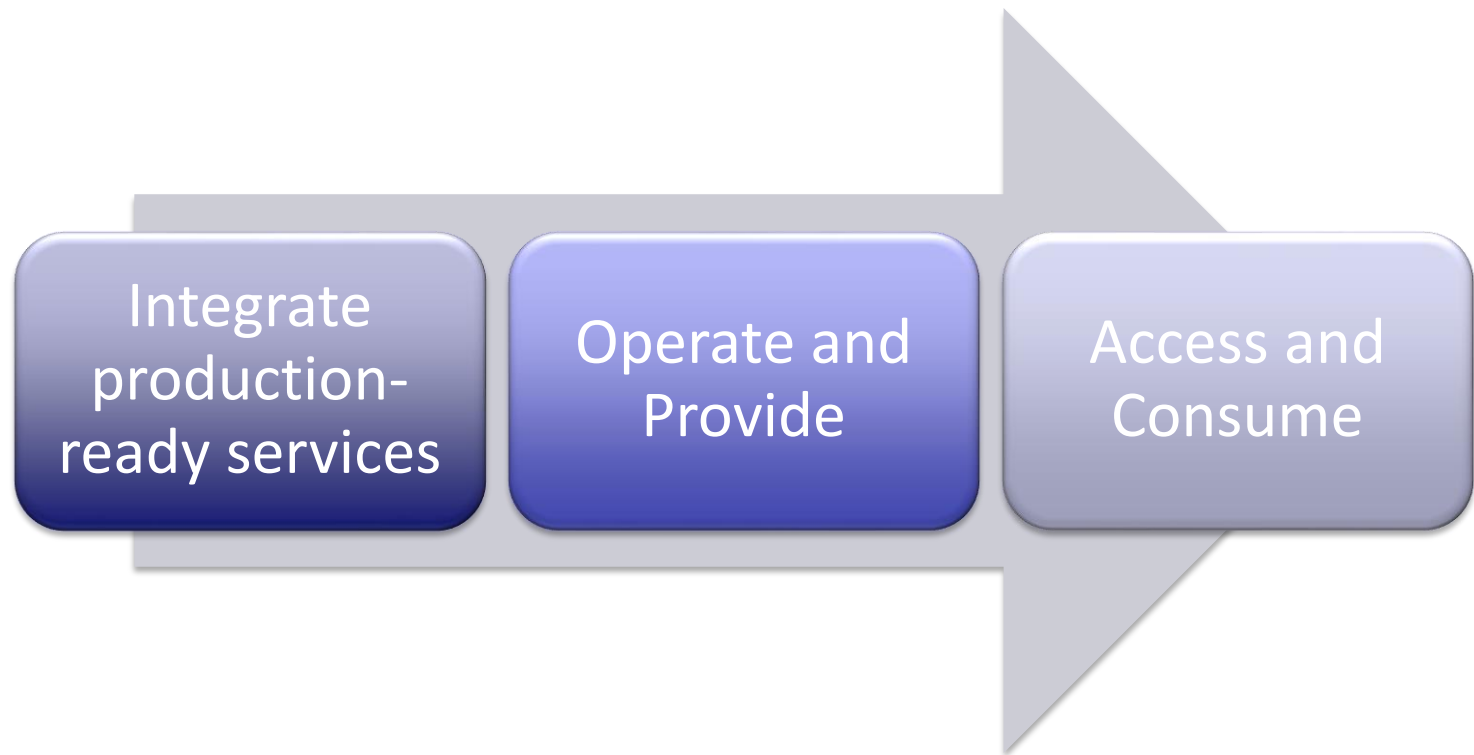
What does the Hub provide?

- Contact point for researchers and innovators to discover, access, use and reuse a broad spectrum of resources for advanced data-driven research
 - Catalogue of resources and services
 - Humanities, Engineering, Medical and Health Sciences, Natural Sciences
- Corpus of policies, processes and federation services (community-defined)
 - Principles of engagement and EOSC “core” services
- Quality assurance reviews
 - Manage end-to-end service level management performance
- Competence Centres and a Joint Digital Innovation Hub
 - Specialized Technical support, training

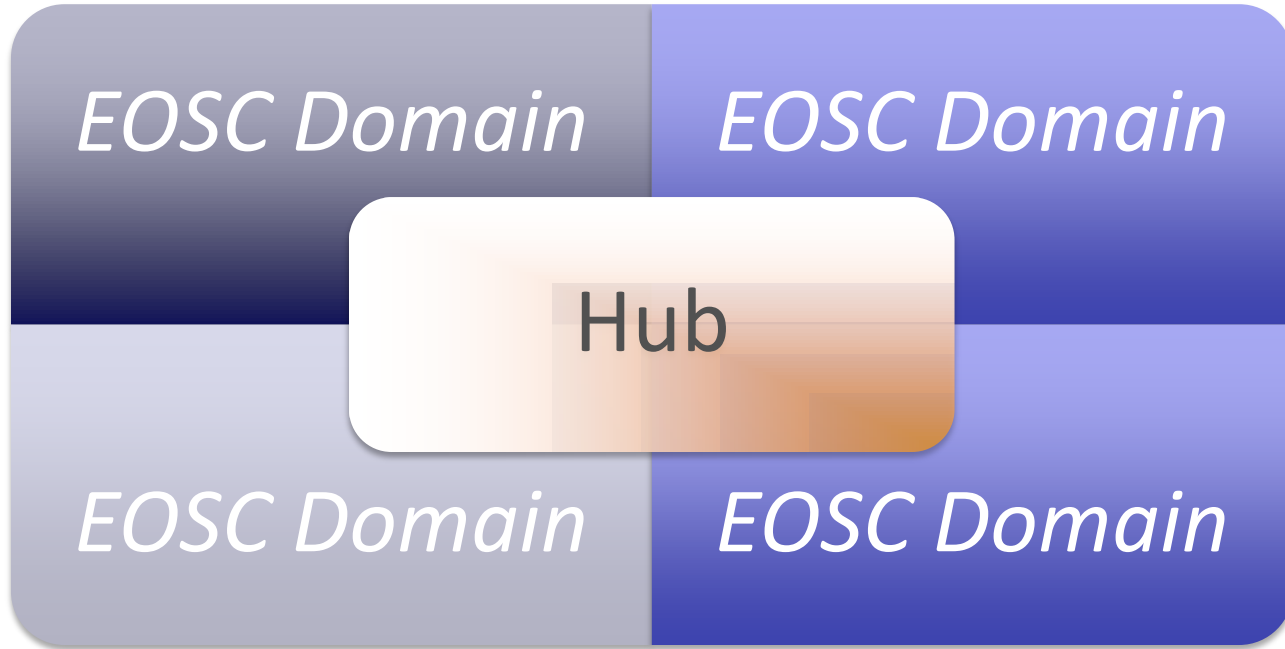
The Hub and the Three Os

- Open Science
 - Resources and services for sharing, discovery access, use and reuse
 - Collaboration with OpenAIRE-Advance
- Open Innovation
 - A open collaborative effort of service providers and user communities
 - Co-design of process with Competence Centres and a Joint Digital Innovation hub
- Open to the world
 - Aggregates services from local, regional and national e-Infrastructures in Europe and other regions of the world

From integration to utilization



EOSC Domains and the Hub: what model?



EOSC-hub Domain

- **Manages**
 - The internal governance, strategy and funding
 - The internal portfolio, policies and processes
- **Participates in the Hub with**
 - Resources and services as needed
 - Internally certified to comply to the Hub policies
 - Input to the EOSC standards roadmap and policies
 - Domain-specific FAIR implementation guidelines etc.
- **The Hub is governed as a Commons**

Support to the Declaration: Governance and Funding

EOSC-hub

- Provides an EOSC service integrator and federator.
- Develops the know-how and the prototype procurement and purchasing framework to acquire digital services from publicly funded infrastructures and commercial providers.

Support to the Declaration: Data Culture and FAIR

EOSC-hub

- Provides production-quality FAIR data and services through the participating Domains
- Ensures data can be used as widely as possible across scientific disciplines and between the private and public sector by
 - Making core data resources discoverable and accessible
 - Federating existing data infrastructures

Support to the Declaration: Research Data Services and Architecture

EOSC-hub

- Realizes a system of EOSC domains
- Delivers the Hub as a delivery channel of resources and services
- Improves skills and knowledge among researchers and service operators by delivering specialised trainings and co-design

Summary

EOSC-hub will

- Create and provide the Hub as federated integration and management system for the future EOSC
- Implement the Hub as open community-lead framework
- Provide a wide range of services from many major digital infrastructures and research communities