

KER 7: Business and Sustainability Models for Services and the Hub

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EOSC-hub WP12 Leader

"Business Models and Procurement"

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Dissemination level: Public

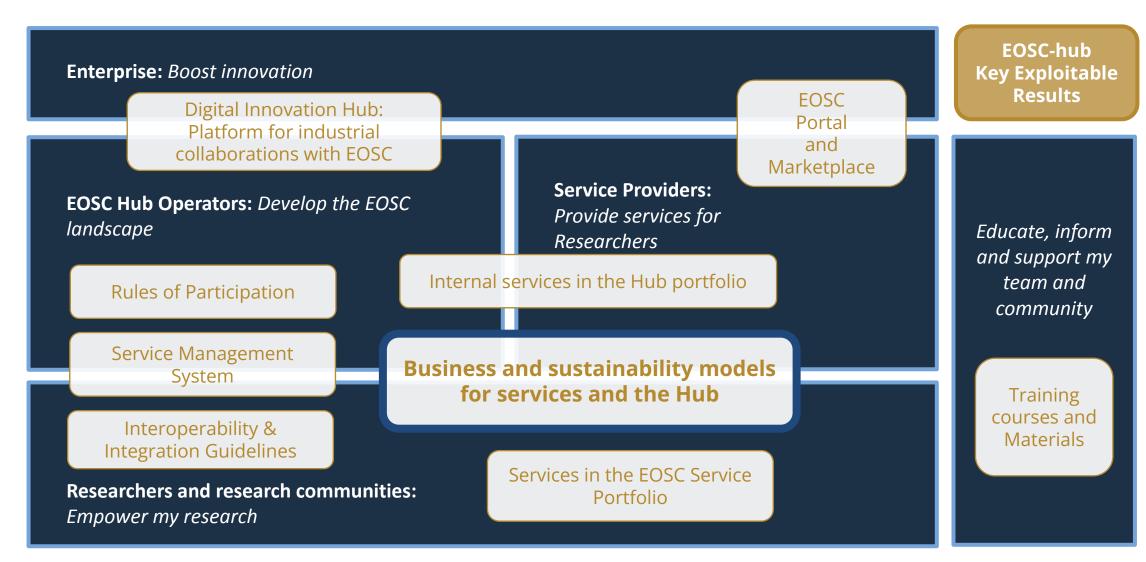
Disclosing Party: Project consortium Recipient Party: European Commission





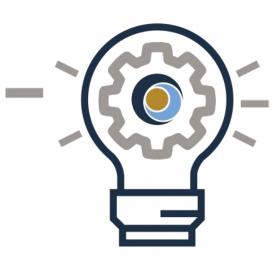
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EOSC-hub Key Exploitable Results



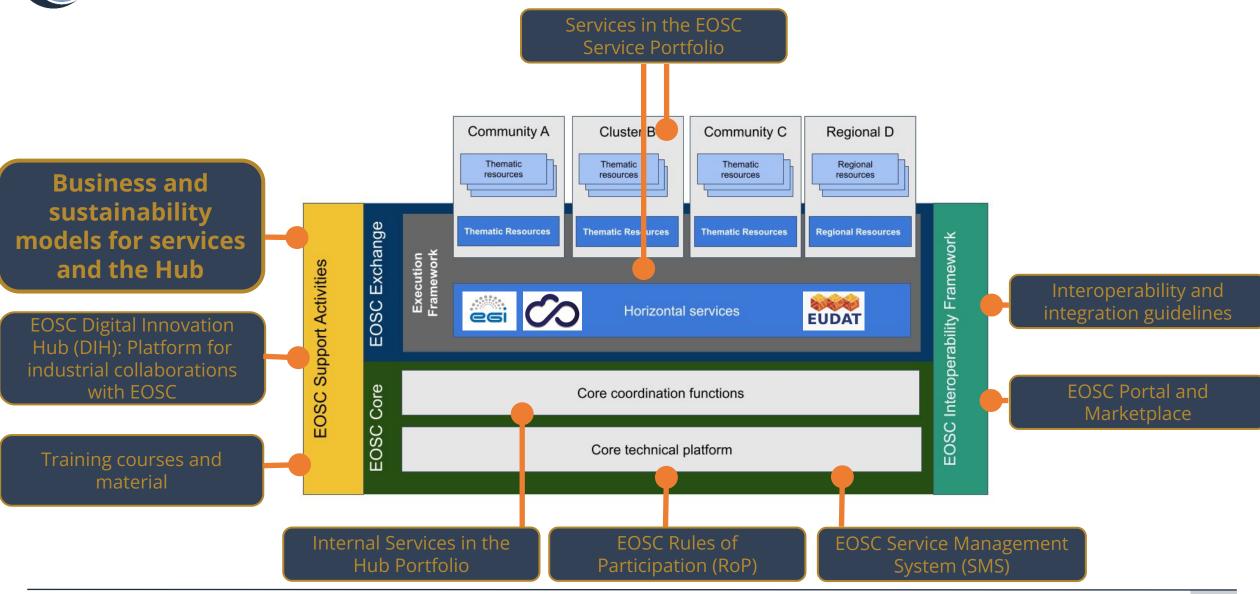


Description	Analysis and adaptation of business and sustainability models for resources in the EOSC as a shared innovation ecosystem
Туре	Business models, documents and reports
Key innovation	 Description of the structure and content of the EOSC, i.e., what needs to be sustained Analysis of challenges in cross-border service provision Procurement and business models for acquiring services for the EOSC Recommendations and roadmap for future work
Related information	 Alignment with first EC EOSC implementation roadmap Various consultations with different stakeholder groups including research communities Regular engagement with the Sustainability and Architecture WGs Output referenced in EOSC SRIA





Contribution to the EOSC Implementation





Innovation



Procurement and Business Models



Market Research

To understand

- Usage models and demand for services
- Challenges in /using offering digital services
- Current delivery models

To identify

- Preferred delivery models
- Funding streams and procurement strategies
- Areas of improvements for business models



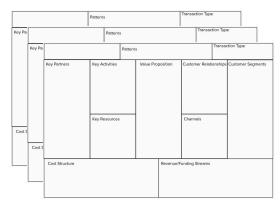
4 Case Studies

- Practical Experiences of Voucher Use -HNSciCloud and OCRE
- Practical Experiences of Public-to-Public Service Provision supported by the H2020 Virtual Access mechanism
- 3. Public-to-Public Cooperation with Cost-Recovery Mechanisms
- 4. Practical Experiences with Demand Aggregation: SURFnet and the GÉANT laaS Framework



6 Patterns

- 1. Let the best emerge
- 2. Simplify/streamline the procurement process
- Aggregate demand for economies of scale
- Opening up existing research resources to more researchers
- Joint funding on common interest
- Public-to-public cooperation with reimbursement



8 Business Models

- Public procurement with direct contract (by EC or national bodies)
- Public procurement via framework agreement (without a CPB)
- Public procurement with demand aggregation and a Central Purchasing Body (CPB)
- Virtual Access (via EC grant)
- Cross-border pooling of resources (in-kind)
- 6. Cross-border pooling of resources (in-kind + in-cash)
- 7. Public-public cooperation with cost recovery "horizontal" (Dir. 2014/24/EU Art.12.4)
- 8. Public-public cooperation "vertical" (in house) (Dir. 2014/24/EU Art.12.1)



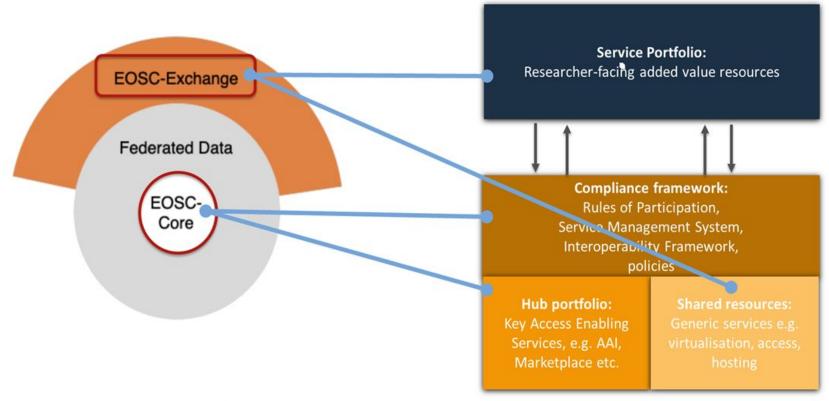
EOSC-hub Recommendations: Procurement & Business Models

Topic	Addressed aspects	Addressed stakeholders
Business models	Fit for purpose	Funders, EOSC Governance
EC Procurement for EOSC (Launch expected in 2022)	Fit for purpose Fit for market maturity Adaptability Possible business models	EC
	Readiness to tender Risk analysis Joining forces	Service providers from both public and private sector
Role of EOSC Association	Possible complementary role to EC procurement Possible role as CPB	EOSC Association
Overall EOSC strategy	Stepwise approach to evolve business models, Scenario planning Follow-up on business model analysis	EOSC Governance



Initial Proposals for the EOSC Federating Core

- Proposals for the composition and organisation of the Federating Core
- Consultation and feedback
- Progressed definition of EOSC provided input to the Sustainability Working Group



Source of EOSC-Exchange/EOSC-Core diagram: Solutions for a Sustainable EOSC-tinman

(https://docs.google.com/document/d/1sEXhoxZ6i8n5p_hCgpNxdq8kAywQKMhjqbz4cjTWcKE/edit#)



EOSC-hub Overall Recommendations: Governance Sustainability 21 ACTIO

Topic	Objectives of Proposed Actions	Stakeholder RECOMMENDATIONS Notice of a red Function of the free trust to the first trust trust to the first trust trus
Coordination of research and e-infrastructure strategies and funding policies and investment plans (6 recommendations)	Achieve greater efficiency in allocation of EC and member state funding for e-Infrastructures	National and European e-Infrastructures Ministries, funders, research communities, research infrastructures EOSC Association, members, Partnership Board, Steering Committee, ERA Board, EC
Business model for EOSC Shared Resources (6 recommendations)	Define and implement a solution for funding the expected additional marginal costs of consumption of resources arising in the EOSC	EOSC Association EOSC Future/Horizon Europe project EU member states and associated countries EOSC Partnership Steering Board
Selection criteria and choice of suppliers for EOSC-Core and -Exchange services from 2024 onwards (1 recommendation)	Ensure due consideration is given to the wider and longer-term consequences of the choices made when selecting suppliers for the EOSC-Core	EOSC Association EOSC Future/Horizon Europe projects
Procurement (3 recommendations)	Identification and understanding of the likely or possible consequences of use of public procurement, to inform decision-making and specification of future actions	EGI, EUDAT EOSC Association/EOSC Future
Research Support Provision (5 recommendations)	Assess the cost of research support activity to e-Infrastructures, likely demand and take-up of research support as a service, and identify potential funding sources	EGI-ACE, DICE EGI, EUDAT, EOSC Association EC, Horizon Europe projects



EOSC-hub What benefits does it bring?

Exploitation audience	Benefits
EOSC-CORE	Proposed definition and structure for EOSC , including EOSC-Core elements Recommendations on how to develop EOSC value-add Analysis and recommendations on EOSC business models and sustainability
Service Providers	Identified required functions of EOSC to support service providers Clarified possible business models for providing and consuming services in EOSC
Researchers and research communities	Identified required functions of EOSC to support users , including value-added services - this leads to more and better research, and increased re-use of resources
Enterprise	Contributed to clarity of definition of EOSC and pointed to functions providing greater value-add Increased ability to identify and re-use resources through EOSC
EC, Member States, Funders	Clarified value-add required of EOSC Increased understanding of suitable business models Recommendations to increase sustainability of EOSC



Exploitation



Who can exploit the result? For what?

EOSC Sustainability WG

 Results taken into consideration for developing the "Solutions for a Sustainable EOSC" Fair Lady report

EOSC Architecture WG

- Results influenced the report "View on the EOSC MVE"

Next EOSC implementation projects

- EOSC-Core implementation will continue in EOSC Future project
- EOSC-Exchange implementation will continue in EGI-ACE, DICE etc

EOSC Governance work streams

- The final reports will be useful state of the art material for the upcoming EOSC Task Force on "Defining funding models for the EOSC"

• Any other related activities in implementing the EOSC

- Both at National and European level
- Relevant initiatives to implement an open science cloud outside Europe, e.g. collaboration project between EU and South-Africa to transfer knowledge and best practices



The form of the IP is mainly knowledge documented in reports, slidesets and recorded webinars.







Recorded webinars

Documents (deliverables, briefing papers)

All of them have been published under CC-BY 4.0 license except for Deliverables D2.3 and D2.4 that are confidential to the Project Consortium



Dissemination & Communication

EOSC-hub website

- https://www.eosc-hub.eu/publications
- https://www.eosc-hub.eu/news/federating-core-governance-and-sustainability
- https://www.eosc-hub.eu/news/new-briefing-paper-cross-border-services
- https://www.eosc-hub.eu/events/eosc-hub-initial-proposals-eosc-federating-core-definition-governance-and-sustainability
- https://www.eosc-hub.eu/webinar-eosc-business-model-recommendations

Publications

- 3 Briefing Papers: (1) EOSC Federating Core (2) EOSC Federating Core v2.0 (3) Provision of Cross-Border Services
- Federating Core Community Position Paper Working Draft
- **D2.5** Final Governance and Sustainability Roadmap
- **D12.1** Procurement requirements and demand assessment
- D12.2 Report on business model analysis for procuring services in the EOSC
- **D12.3** Business models and procurement: evaluation and recommendations

Selected Webinars presentations at events

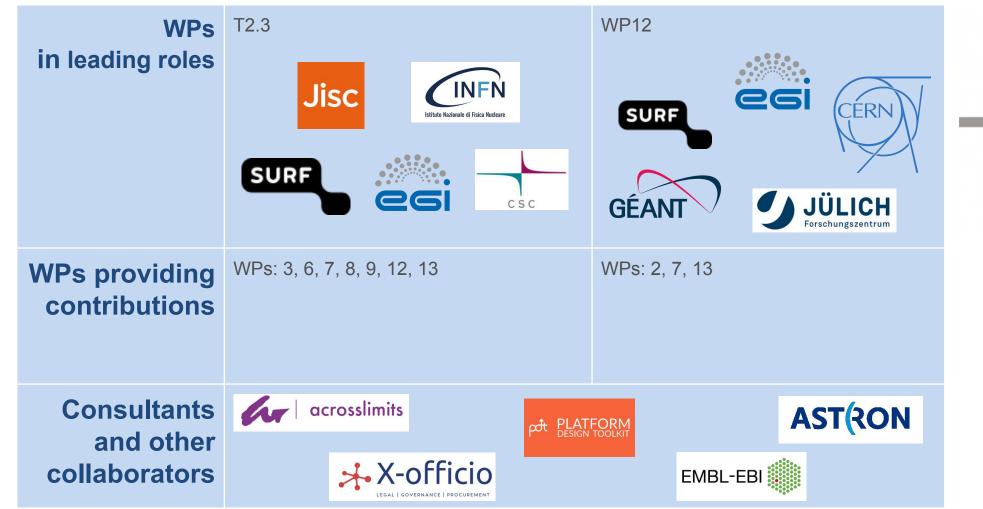
- "EOSC-hub initial proposals for EOSC Federating Core Definition, Governance and Sustainability" 6 Aug 2019 30 participants
- "EOSC Business model recommendations" EOSC-hub webinar series 15 Sep 2020 50 participants
- "Analysis of business models for acquiring services in the EOSC" 31 Mar 2021 over 30 participants

Events

- "Initial proposals for EOSC federating Core & Update", PaNOSC Annual Meeting, 5 Nov 2019 60 participants
- "EOSC Federating Core" at EOSC Symposium, 25 Nov 2019 100 participants
- "EOSC Federating Core Proposals" at Architecture Working Group, 8 Jan 2020 20 participants
- "Issues in cross-border consumption of resources in the EOSC" EOSC-hub Week, 19 May 2020 150 participants
- "Business models and procurement" session EOSC-hub Week, 20 May 2020 60 participants
- "Business models for procuring services in the EOSC" at the EOSC Sustainability WG, 19 Jun 2020, 15 participants
- "Challenges in Sustainability of FAIR Research Data and Services for SSH and Beyond" at Realising the EOSC, 19 Nov 2020, 120ppl



EOSC-hub WP participation, further information



Thank you for your attention!

Questions?



