

EOSC – from Pilot to Production

Summary of project results

(based of project review slides)

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- 🔗 **Initial motivations for EOSC and EOSC-pilot**
- 🔗 **Architecture and Services proposals**
- 🔗 **Governance, Policy, Skills&training recommendations**
- 🔗 **Science demonstrators**



Existing

Horizontal and Vertical infrastructures

From EOSCpilot
Second
Stakeholders
Forum
December 2018

Domain Specific research infrastructures

Interdomain e-infrastructures



Sharing Horizontal and Vertical infrastructures

From EOSCpilot
Second
Stakeholders
Forum
December 2018

Domain Specific user environments

Inter-domain Catalogue of Services

Greater sharing of
Resources and Data
across RIs and eIs

First proposals for EOSC Governance structure, Interoperability and Service Architecture , Service management framework, Rules of Participation

Example; Definition of the EOSC federating core

Portal, AAI, accounting, PIDs, Registry, etc.

Landscape	D2.1 Draft Stakeholder map D2.7 Final stakeholder map
Sustainability	D5.3: EOSC Federated Service Management Framework D2.2 Draft Governance framework for a European OpenScience Cloud D2.6 Governance framework for a European Open Science Cloud D2.7 Final stakeholder map
Architecture	D5.4: Final EOSC Service Architecture D5.6: Evaluation report of service pilots D6.8: Final EOSC Architecture D6.10: Final Interoperability Testbed Report
FAIR	D6.9: Final report on Data Interoperability
RoP	D5.5: EOSC Service Portfolio Roadmap Rules of Participation: Analysis of Contents of Consultation Platform D2.5 EOSC Rules of participation



Science Demonstrators

Be early adopters of EOSC services

Cover a range of sciences and use cases

Provide feedback and recommendations on:

- EOSC service capabilities and architecture
- EOSC service implementations
- EOSC governance structures

Inform the support and training needed for broader adoption



Science Demonstrators - Coverage

Environmental & Earth Sciences:

ENVRI, EPOS/VERCE, Hydrology

Life Sciences:

Pan-Cancer, Life Science Datasets, CryoEM Workflows,
Biolmaging

Physical Sciences:

Photon Neutron, Preservation in HEP, PROMINENCE

Astronomy:

LOFAR Data, VisVIO

Social Sciences:

TEXTCROWD, VisualMedia

Generic Technology:

Frictionless Data Exchange



- **EOSC-Pilot – 15 Science demonstrators in total (2 phases)**
- **EOSC-Hub – 9 Thematic Services in first 18 months**
- **EOSC-Hub – 8 Competence Centers**
- **EOSC-Hub – 6 Business pilots**
- **EOSC-Hub and OCRE – Early Adopters program (announced 2019)**
- **EOSC-Synergy – 10 Thematic services**
- **very limited involvement from Czech Republic**
 - in preparation phase of EOSC-Hub project, we received 60 proposals for thematic services, nearly 50 proposals for competence centers, besides proposals from CESNET and CERIT_SC none from CZ