The role of Competence Centres in the EOSC ecosystem

Volker Beckmann

French Ministry for Higher Education and Research (MESR)

EOSC Steering Board co-chair

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Data, the (not so very) new paradigm

- "Just as oil was likened to black gold, data takes on a new importance and value in the digital age." (Neelie Kroes, vice-president of the European Commission responsible for the Digital Agenda, 2011)

- Data is the new gold — we need to use and reuse it, we need tools, e-infrastructures, and skills to treat it.
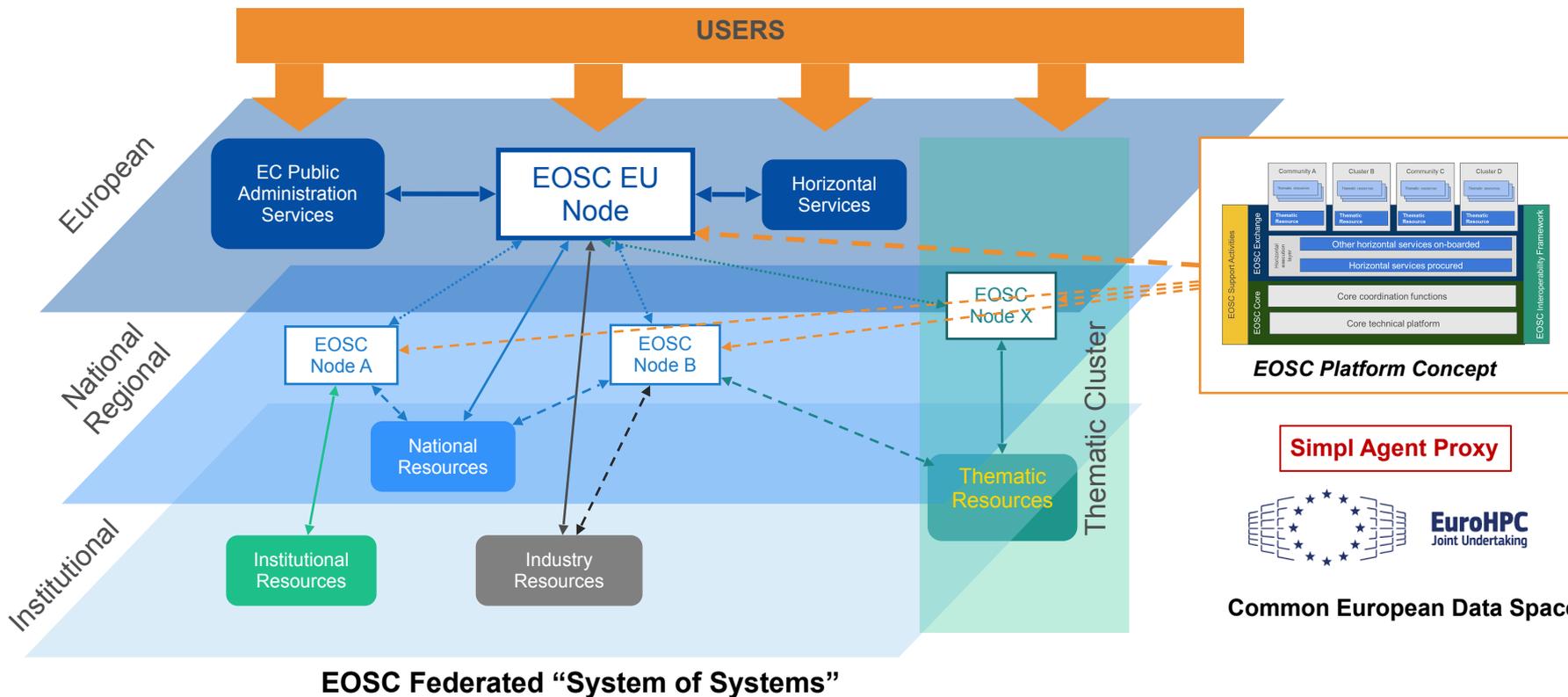
We need EOSC!

The EOSC context

- EOSC is a vision: FAIR* data, complete data lifecycle

- Starts with the FAIRisation of data (training, DMPs, competence centres, etc.)

- Trusted repositories - interoperable!

- Shared services - from transverse (AAI**, monitoring, service management, etc.) to domain-specific

- Access to e-infrastructures

- Above all: sharing expertise, strengthening skills

- But: Lack of expertise in Open Science and FAIR research outputs management among EOSC stakeholders. Absence of clear definition of data professional profiles and career paths for these roles. Fragmentation of training resources.

- (Part of the) Solution: Competence Centres

* FAIR : Findable, Accessible, Interoperable, Reusable
** AAI : Authentification and Authorisation Infrastructure

EOSC Federation

EOSC Federated "System of Systems"

EOSC Platform Concept

Simpl Agent Proxy

Common European Data Spaces

EOSC EU Node

EOSC Core Services: *Authentication and Authorization/SSO, Application Workflows, Resource Catalogues, Monitoring, Accounting, Service Management*

EOSC EU Node

Credits
Overview of your credits.

Viewing resources for:
Volker BECKMANN (Default Personal Project)
ID: pp-0192b8cd-b758-4273-8d60-c0ba78f46c55

Credits

Your credits

100 *
Remaining credits

90 days
Next refresh

Services

File Sync & Share
Access enabled
View Service >

Interactive Notebooks
Access enabled
View Service >

Large File Trasfer
Access enabled
View Service >

Virtual Machines
Not available
Please read our **User Access Policy** for more information

Cloud Container Platform
Not available
Please read our **User Access Policy** for more information

Bulk Data Transfer
Not available
Please read our **User Access Policy** for more information

The EOSC European node was launched in October 2024

You can try it out (log in with your research organisation's login details)

Watch a detailed demonstration here :
https://webcast.ec.europa.eu/eu-node-technical-launch-event-24-10-10
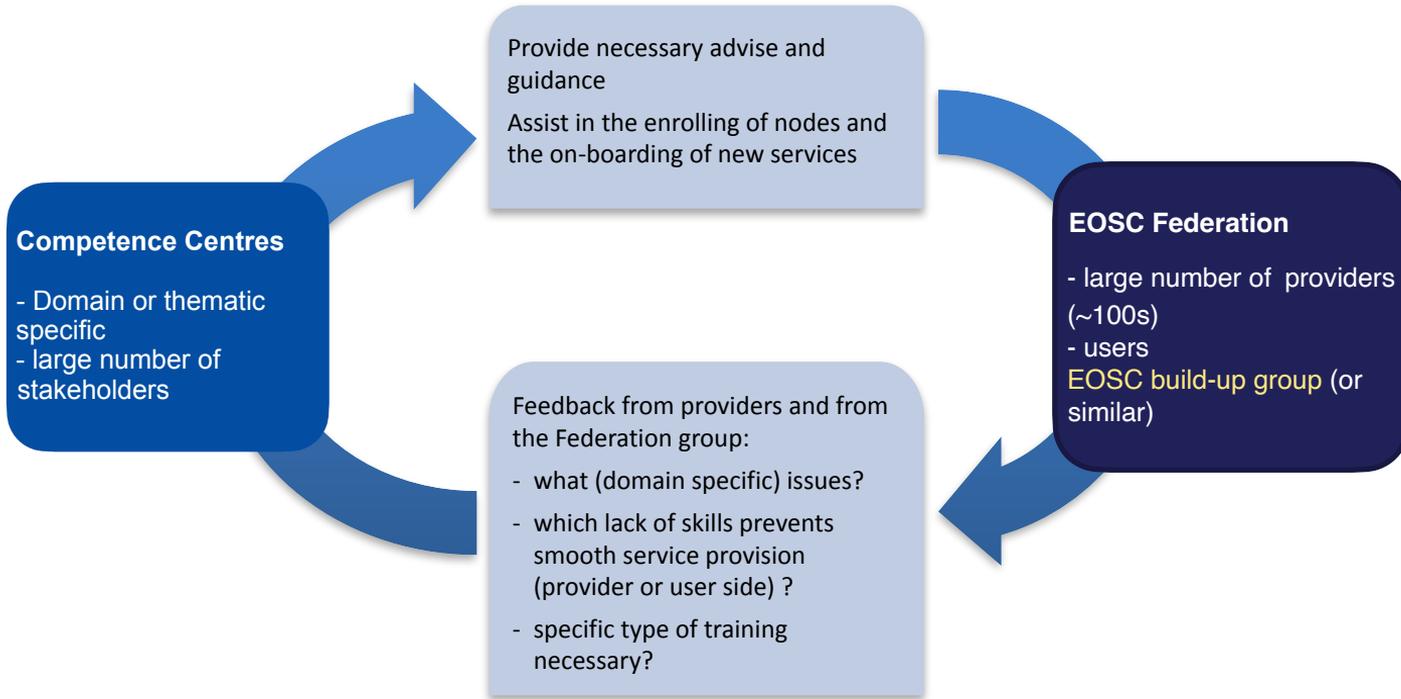
https://open-science-cloud.ec.europa.eu/

* File Sync & Share (50 GB): 10 credits / month, Notebooks: 0.04 credits / hour, Large File Transfer (1 TB): 7 credits / month)

The real potential and added value of EOSC will become apparent once data and services from different domains and countries are included in the EOSC Federation

Competences in the EOSC Federation

- Although based on various skills, the EOSC-Federation is a **technical ecosystem** to allow launching work flows involving data, services, e-infrastructures
- How to ensure that
    - necessary skills are accessible for users and providers
    - competence centres learn from the development and requirements in the EOSC Federation
- This goes far beyond a help-desk approach

Competences in the EOSC Federation

Competence Centres

- Domain or thematic specific
- large number of stakeholders

Provide necessary advise and guidance

Assist in the enrolling of nodes and the on-boarding of new services

EOSC Federation

- large number of providers (~100s)
- users
EOSC build-up group (or similar)

Feedback from providers and from the Federation group:

- what (domain specific) issues?

- which lack of skills prevents smooth service provision (provider or user side) ?

- specific type of training necessary?

Competence centres in the EOSC ecosystem

- Competence centres are not part of the EOSC Federation, but closely linked to it
- Provide guidance and advise in enrolling of nodes and on-boarding of services
- Receive feedback on missing elements, training needs, apparent discrepancies between domains, etc.
- Main contact point : [EOSC build-up group](#) (or successor), i.e. body representing the EOSC nodes, EU node, and key stakeholders of the federation
- Ensure visibility of competence centres for EOSC Federation users
- Support through national programmes or HORIZON-INFRA or specific EOSC (co-fund) actions (needs to be seen in the [FP10](#) discussion context)

Skills
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- Skills for the European
- Open Science
- Commons

Thank you!
Questions?

volker.beckmann@recherche.gouv.fr

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