7. EOSC Coffee Lecture
Aktuelles aus der EOSC-Föderation

Klaus Tochtermann, 2. Dezember 2025
k.tochtermann@zbw.eu

Leibniz-Informationszentrum
Wirtschaft
Leibniz Information Centre
for Economics

Überblick EOSC Coffee Lectures (Nr. 4 - Nr. 6)

4. EOSC Coffee Lecture:
"Die EOSC ist Online! Was heißt das und wie geht es weiter?"

Datum: Dienstag, 12. November 2024

Uhrzeit: 16:00-17:00

5. EOSC Coffee Lecture:
"Die EOSC Föderation – Aktueller Stand und nächste Schritte"

Datum: Donnerstag, 8. Mai 2025

Uhrzeit: 16:00-17:00

ZBW Leibniz-Informationszentrum
Wirtschaft
Leibniz Information Centre
for Economics

Überblick EOSC Coffee Lectures (Nr. 4 - Nr. 6)

6. EOSC Coffee Lecture:
"Die wachsende EOSC-Föderation – The Next Wave"

Datum: Mittwoch, 23. Juli 2025

Uhrzeit: 15:00-16:00

Overview 7. Coffee Lecture

- EOSC Symposium 2025

- Stand der EOSC-Föderation

- Fördermöglichkeiten
  - o Vorbereitung eines EOSC-Knotens
  - o Andocken von Ressourcen (Services/Repositorien)

- Mitwirkung in der Evaluation

~500
participants

26
EU countries

10
non-EU countries

Nodes engaged in 2025

∽ eosc | Federation

∽ eosc Node | PaNOSC
Physical Sciences & Engineering

∽ eosc Node | Digital Twin of the Ocean
Environment

EOSC Node | European Commission

∽ eosc Node | Poland

∽ eosc Node | Italy

∽ eosc Node | CERN
Physical Sciences & Engineering

∽ eosc Node | Slovakia

∽ eosc Node | Germany

∽ eosc Node | Data Terra
Environment

∽ eosc Node | EUDAT
Data, Computing and Digital

∽ eosc Node | Finland

∽ eosc Node | SURF
The Netherlands

∽ eosc Node | BBMRI-ERIC
Health & Food

∽ eosc Node | Life Sciences Connect
Health & Food

Federating many service and research product catalogues - and growing!

14 EOSC
Node
booths

Three concrete examples of how EOSC Nodes can support scientific use cases

> The heart of the strategic sphere of EOSC over the past year lies in the mutual collaboration and trust that we have built with the Tripartite model.

Jean David Malo, European Commission's Directorate General for Research and Innovation's ERA & Innovation Acting Director

eosc | Federation

TOGETHER

WE MAKE IT HAPPEN

EOSC Federation Build-up

eosc | Tripartite
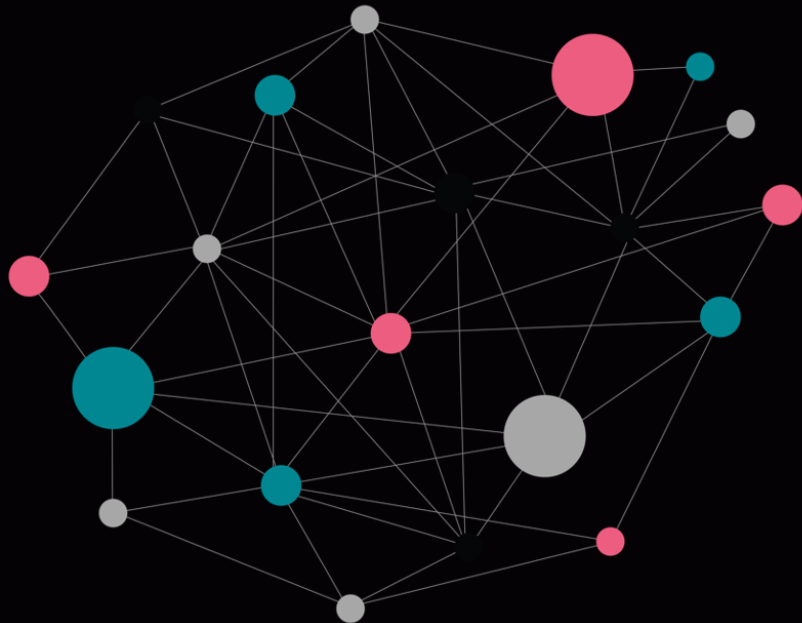
EOSC Federation Handbook

Updated with first wave experience

Contents

The EOSC Federation Handbook has been written by a group of **volunteers,** who have been working together since March 2024 with the support of the EOSC Focus project.

The Handbook provides an overview of the organisational and operational structure, and technical characteristics, of the EOSC Federation

EOSC Federation build-up phase aims for Q4 2025

As presented at the kick-off meeting: Brussels March 2025

- **EOSC Federation will**
  - Be comprised of several enrolled EOSC Nodes
  - Have operational governance and a clear organizational structure
  - Have established key policies and the EOSC Interoperability Framework
  - Demonstrate cross-Node utilization of federating capabilities

- **EOSC Federation users will be able to**
  - Access resources via single sign-on and a common catalogue
  - Use a virtual research environment
  - Access FAIR and machine actionable research datasets

- **Communities/stakeholders will be provided with**
  - Key information via the EOSC Federation Handbook
  - Guidance on Node enrolment and resource onboarding
  - Demonstrations of multi-node use cases

Results achieved with the voluntary effort of the first wave nodes and support of the EU Node – Thank you!

eosc | Federation Roadmap for 2026

Operational structure

- Migrate Build-up group to the operational structure outlined in the MoU
- Evolution of federating capabilities and the interoperability framework

Transition to production

- Move the EOSC Federation from prototype to production
- Address legal, governance, operational and engagement requirements

Expansion

- Enrollment of nodes and onboarding of resources and use-cases
- Leveraging wave of enrolment waves, EOSC Gravity cascading grants, HORIZON-INFRA-2025-01-EOSC-01

Target date: EOSC Symposium 2026

Operational structure

- Migrate Build-up group to the operational structure outlined in the MoU

∞eosc | Federation   Governance under the Memorandum of Understanding

Introduction to the MoU

Building the Roadmap for 2026
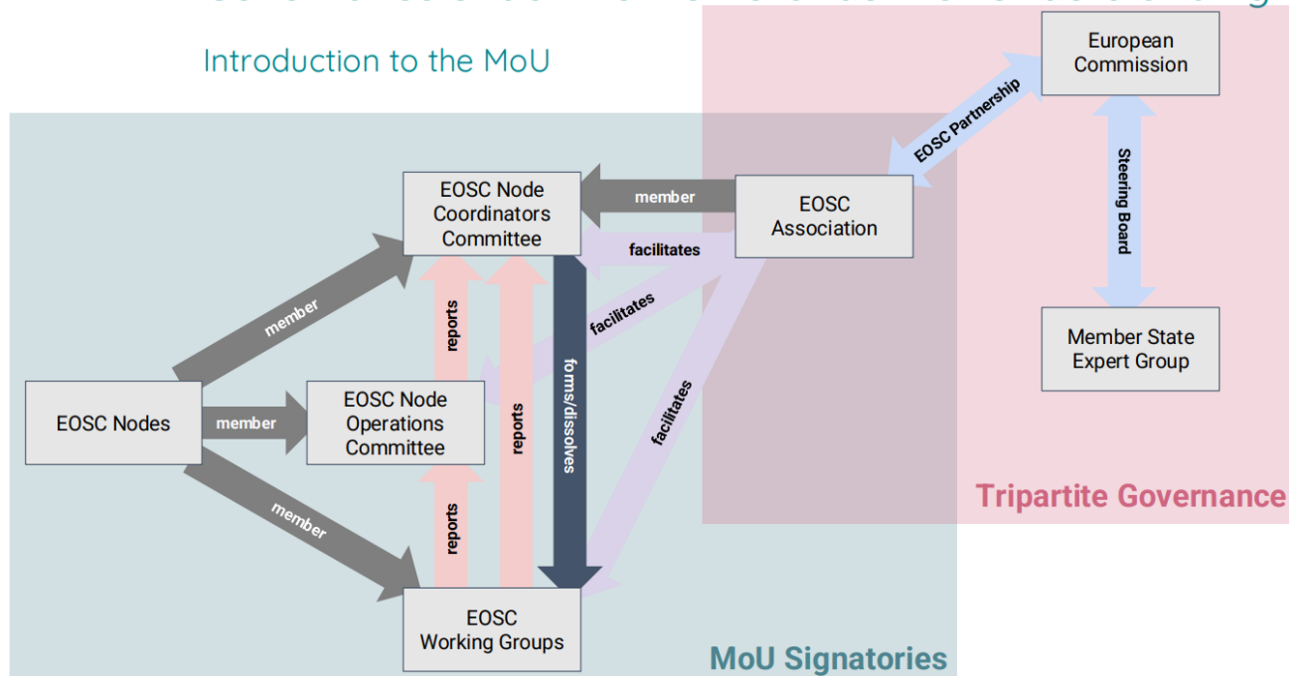
Operational structure

- **Evolution of federating capabilities and the interoperability framework**

Mandatory Technical requirements

- Federated AAI
  Adhere to the EOSC Node Federated AAI requirements as defined in *EOSC AAI Architecture 2025 (Mar'25)*
  https://doi.org/10.5281/zenodo.15388270

- Federated catalogues
  Register their Service catalogues and Research Product catalogues in the EOSC EU Node Resource Catalogue (*Sept'25*)
  https://doi.org/10.5281/zenodo.15516020

Services operated by the EU Node

European Commission

Recommended

• Application Workflow Mgmt. • Helpdesk HIGH PRIORITY	• Service Mgmt. System • Service Monitoring MEDIUM PRIORITY	• Order Mgmt. • Accounting LOW PRIORITY

To be deployed

Building the Roadmap for 2026

Transition to production

- Move the EOSC Federation from prototype to production
- Address legal, governance, operational and engagement requirements

Gov & Funding model

- Move beyond the recently approved MoU as a basis for collaboration in 2027
- Elaborate a gov. & funding model that supports a sustainable future for the EOSC Federation beyond the current co-programmed European partnership

Federation-level policies

- AAI: trust framework, levels of assurance & attribute release policies
- Rules of Participation: rights and obligations of a node host/resource provider
- Cybersecurity: Including incident response procedures
- Data Access and Use: for data sharing, licensing, and access
- FAIR Data & Interop: measurable baseline for discovery and access
- Service Mgmt & Monitoring : service quality, reliability, & accountability

Training and Engagement

- Open Science and FAIR data skills
- Contributing to the EOSC Federation
- Engagement of research communities
- Role of competence centres

Building the Roadmap for 2026

∞ eosc | Federation

Expansion of the EOSC Federation

- Enrollment of nodes and onboarding of resources and use-cases
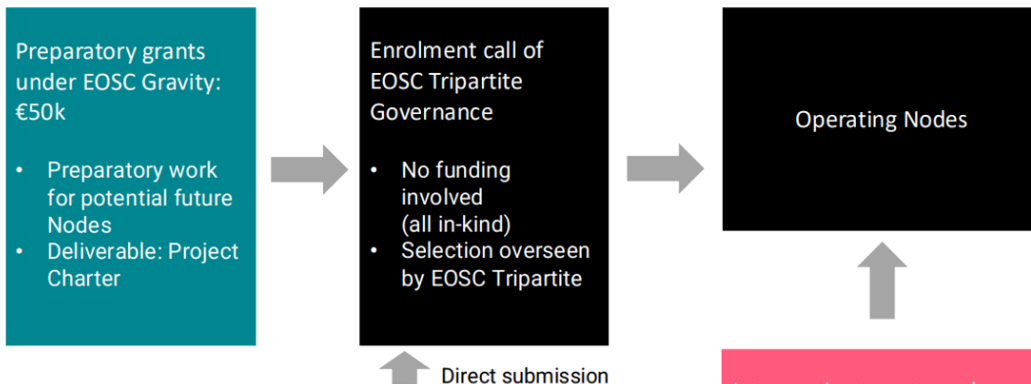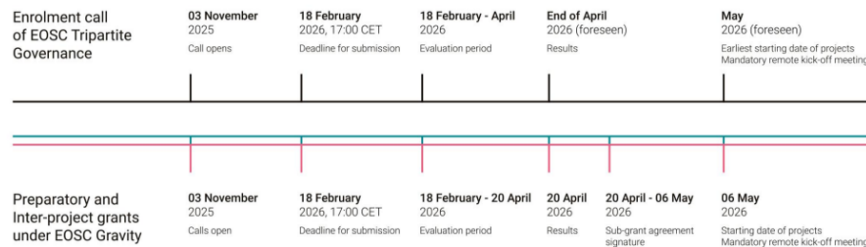- Leveraging enrolment wave (2), EOSC Gravity cascading grants (2), HORIZON-INFRA-2025-01-EOSC-01 projects

∞ eosc | GRAVITY

Funded by the European Union
Grant agreement ID: 101188045

Growing the EOSC Federation: Routes to engagement

Preparatory grants under EOSC Gravity: €50k

- Preparatory work for potential future Nodes
- Deliverable: Project Charter

→

Enrolment call of EOSC Tripartite Governance

- No funding involved (all in-kind)
- Selection overseen by EOSC Tripartite

→

Operating Nodes

↑ Direct submission

Another enrollment call in second half of 2026

EOSC Steering Board Members as national contact points

Inter-project grants under EOSC Gravity: €50k

- Onboarding of resources to existing EOSC Nodes
- Use case deployment

Timeline

Enrolment call of EOSC Tripartite Governance

03 November 2025	18 February 2026, 17:00 CET	18 February - April 2026	End of April 2026 (foreseen)	May 2026 (foreseen)
Call opens	Deadline for submission	Evaluation period	Results	Earliest starting date of projects Mandatory remote kick-off meeting

Preparatory and Inter-project grants under EOSC Gravity

03 November 2025	18 February 2026, 17:00 CET	18 February - 20 April 2026	20 April 2026	20 April - 06 May 2026	06 May 2026
Calls open	Deadline for submission	Evaluation period	Results	Sub-grant agreement signature	Starting date of projects Mandatory remote kick-off meeting

5

EOSC Federation Enrolment Call

Purpose

- Identification of a 2nd wave of Candidate EOSC Nodes to join the EOSC Federation Build-up phase.

Funding

- No funding provided

Application requirements

- Submission of a **project charter** for the creation of a Node (national, multinational, thematic, or e-infrastructure) accompanied by a **written endorsement from corresponding authority/authorities**

- Agreement with existing Node(s) or other applicants to align on and propose the development of at least one scientific multi-Node **use case** or one use case realising a concrete contribution to federating capabilities

- Demonstration of capacity to function as a community gateway

- Commitment of at least **five individuals** for the duration of the Build-up phase

Eligible applicants

- Not-for-profit or public-benefit organisation in EU member state or country associated with Horizon Europe

- Priority given to those countries/disciplines/e-infrastructures not yet present in the EOSC Federation

Expected outcome

- Additional EOSC Nodes fully enrolled in the EOSC Federation covering additional geographical, thematic, or technical scope

- Increased engagement and added value for the scientific community

- Active contributions to shaping the operations of the EOSC Federation

Preparatory Grants

Purpose

- 6M projects to Support preparatory work for future EOSC Nodes → main output: Project Charter for future Node enrolment calls

Funding

- €800,000 total | up to €50,000/project

Eligible applicants

- Potential EOSC Candidate Nodes, EOSC-A Mandated Organisations, RPOs, other parties (organisations, networks, associations) from the wider RI landscape, e.g. organisations who want to become an EOSC Node, including from specific or thematic communities, excluding EOSC Gravity partners

Expected outcome

- A Project Charter that supports a future application to become an EOSC Node
- Alignment with EOSC Federation objectives & strong value proposition (scope, objectives, impact)
- Plan to meet minimum Node requirements (governance, technical readiness, community)
- Share training materials & lessons learned with the EOSC Academy

See the First wave Nodes work here : EOSC Federation - EOSC Association

Inter-Project Grants

Purpose

- 6M projects to expand EOSC Federation services & show benefits for end users via:
    - Scientific use cases, or
    - Piloting onboarding of new services into EOSC Nodes

Funding

- €400,000 total (**2nd call planned next year**) | up to €50,000/project

Eligible applicants

- RIs, universities, RPOs, institutes, experts from the wider RI landscape, EOSC Candidate Nodes, organisations piloting service onboarding (excl. EOSC Gravity partners)
- Eligibility criteria: Include **endorsement** from at least one EOSC Node (via email confirmation)

Expected outcomes

- Deploy use case and/or pilot service onboarding
- Provide documentation, training, lessons learned - EOSC Academy

Timeline

eosc | GRAVITY

Enrolment call of EOSC Tripartite Governance

03 November 2025	**18 February** 2026, 17:00 CET	**18 February - April** 2026	**End of April** 2026 (foreseen)	**May** 2026 (foreseen)
Call opens	Deadline for submission	Evaluation period	Results	Earliest starting date of projects Mandatory remote kick-off meeting

Preparatory and Inter-project grants under EOSC Gravity

03 November 2025	**18 February** 2026, 17:00 CET	**18 February - 20 April** 2026	**20 April** 2026	**20 April - 06 May** 2026	**06 May** 2026
Calls open	Deadline for submission	Evaluation period	Results	Sub-grant agreement signature	Starting date of projects Mandatory remote kick-off meeting

Application link

Here goes a sub-headline

- For a first connection, click here

- For subsequent connections: click here

The links are available on the EOSC webpage: https://eosc.eu/eosc-about/calls-grants/

Download full call text and annexes | Enrolment call of EOSC Tripartite Governance

Download full call text and annexes | Preparatory grants under EOSC Gravity

Download full call text and annexes | Inter-project grants under EOSC Gravity

Create an account on the ESF platform (required to apply for any of the three calls)

Call for evaluators

Application deadline: 30 January 2026 (14:00 CET)

- Evaluation work will take place from 25 February 2026 to 7 April 2026
- Each evaluator will receive compensation for their work
- More information at eosc.eu/eosc-about/calls-grants/

Further Information

Overview of Options for Grants & Applications

Calls & Grants - EOSC Association

Call for Evaluators

Call for evaluators of EOSC Gravity cascading grants - EOSC Association

Helpdesk / FAQ for Grant Applications

EOSC-Gravity-grants@esf.org

eosc-nodes-helpdesk@esf.org

Three open calls to grow the EOSC Federation launch today - EOSC Association

ZBW Leibniz-Informationszentrum
Wirtschaft
Leibniz Information Centre
for Economics

Further Information

Building the EOSC Federation

Building the EOSC Federation - EOSC Association

Federation Handbook (Version 1)

EOSC Federation Handbook

EOSC Symposium 2025

EOSC Symposium 2025 - EOSC Association

Federated AAI

https://doi.org/10.5281/zenodo.15388270

Federated Catalogues

https://doi.org/10.5281/zenodo.15516020

Klaus Tochtermann
Kiel / Hamburg
Email: k.tochtermann@zbw.eu

ZBW Leibniz-Informationszentrum
Wirtschaft
Leibniz Information Centre
for Economics