

EOSC, Open Science and the ERA: European policy context

**Building the EOSC Federation:
Progress, Practice and Lessons
from across Europe**

22nd October 2026

INSPIRING ERA European Online Event

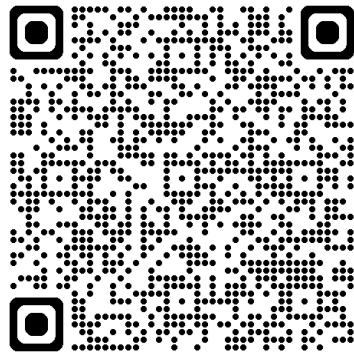


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The EU's open science policy



Objective to make **open science** the **norm** since it **facilitates sharing** and **collaboration**, to make research more efficient and productive, transparent and robust as well as responsive to policy and society needs and expectations.

Improving the **practice**

- **Early and open sharing of research**, ensuring verifiability and reproducibility
- **Providing immediate and unrestricted open access** to research outputs
- **Research output management** - publications, data, and other outputs - in line with FAIR principles
- **Public engagement in R&I**, e.g. citizen science

Developing the **enablers**

- **Incentives and rewards** to adopt open science practices, e.g. initiative for Reforming Research Assessment
- **Legislative and regulatory** environment for practicing open science
- Open research **infrastructures** and skills e.g. Open Research Europe (ORE)
- [European Open Science Cloud \(EOSC\)](#)



EOSC in the ERA Policy Agenda 2025-2027

11 Structural Policies

longer-term activities
embedded in policy & R&I systems
require efforts beyond Agenda's 3y cycle
include 3y work plan

1. **Open science, data sharing & EOSC**
2. **Research Infrastructures**
3. Gender equality
4. Research careers
5. **Reforming research assessment**
6. Knowledge valorisation
7. Global approach to R&I
8. Strategic energy technology
9. R&I and higher education
10. **Trust in science**
11. Access to excellence



8 Actions

concrete, policy-driven & goal-oriented
completed within Agenda's 3y cycle

1. **Equity in open science**
2. Science for policy
3. Responsible use of AI in science
4. Research security
5. R&I for industrial transformation
6. New Approach Methodologies for biomedical research
7. Integrity and ethics in R&I
8. Research management

EOSC in the ERA Policy Agenda 2025-2027

**Structural policy #1 on
“Enabling open science via sharing and re-use of data,
including through the **European Open Science Cloud**”**

Expected outcomes:

- ✓ **develop a high-value EOSC Federation and increase its uptake**
- ✓ increase the amount and productivity of **FAIR** research data in Europe
- ✓ identify areas for measures and initiatives to enable an EU **copyright and data** framework fit for research
- ✓ assess the **impact of open science** policies and practices based on an open science policy intelligence platform



EOSC in recent European strategies

September 2025 – European Strategy on Research & Technology Infrastructures

- Sustain and enhance **the EOSC Federation** as Europe's research and innovation data space, enabling sharing and reuse of high-quality, FAIR research data, scientific results and digital services.
- Support the **pooling and development of AI-ready research data** as well as **tools and services that enable the development of scientific AI models**, and their technological applications, accelerating the use of AI in science and, through it, contributing to the pilot phase of **RAISE**.

EOSC as key enabler for AI

April 2025 – AI Continent Action Plan

October 2025 – AI in Science Strategy

- **RAISE** (the Resource for AI Science in Europe) will work closely with **EOSC**, as well as the other Data Spaces, to **make high-quality AI-ready data** available for AI science.
- The Commission will support the design of **Data Labs** and their linking with **Common European Data Spaces**, in particular **EOSC**, to ensure their suitability for scientific research.

November 2025 – Data Union Strategy



Horizon Europe support to EOSC

EOSC under Horizon Europe: €500 million in INFRA-EOSC domain

- 2021 – 2025**
- 47 grants // 1006 participants // 439 unique participants
 - 1 procurement (EU Node)
- 2026 – 2027**
- 4 topics // **calls under evaluation** or **forthcoming**
 - Uptake of FAIR data management practices and of EOSC by research communities and research infrastructures
 - Trusted frameworks for secure and efficient data sharing in EOSC
 - Expanding and deepening the EOSC Federation
 - Strengthening the potential of the EOSC for knowledge valorisation and industry academia collaboration
 - 1 procurement (EU Node extension)
 - Amendments related to EOSC in other domains (BRIDGING, NATURE) // **open** or **forthcoming**

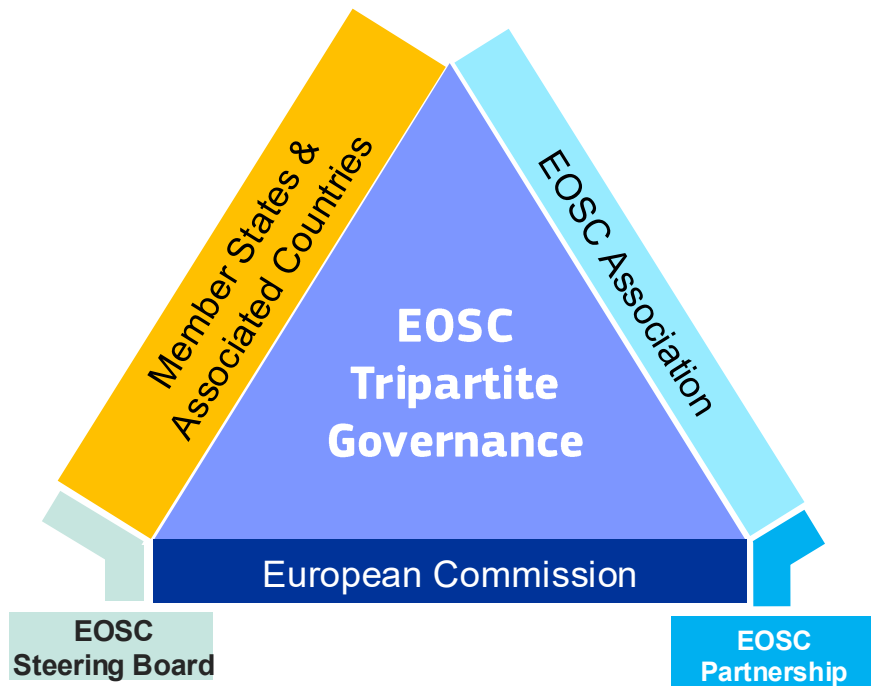
EOSC under Horizon Europe 2028-2034

- Explicitly included under a new Pillar IV “European Research Area” / Infrastructures
- Reinforced by Member States in Partial General Approach

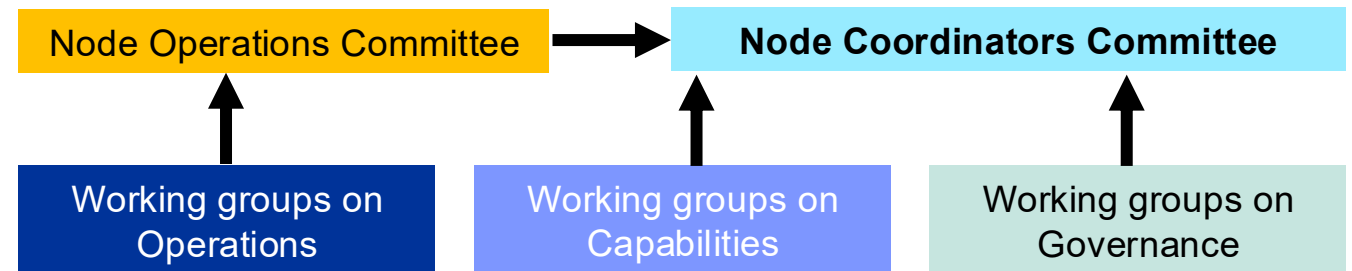


EOSC Tripartite and Federation governance

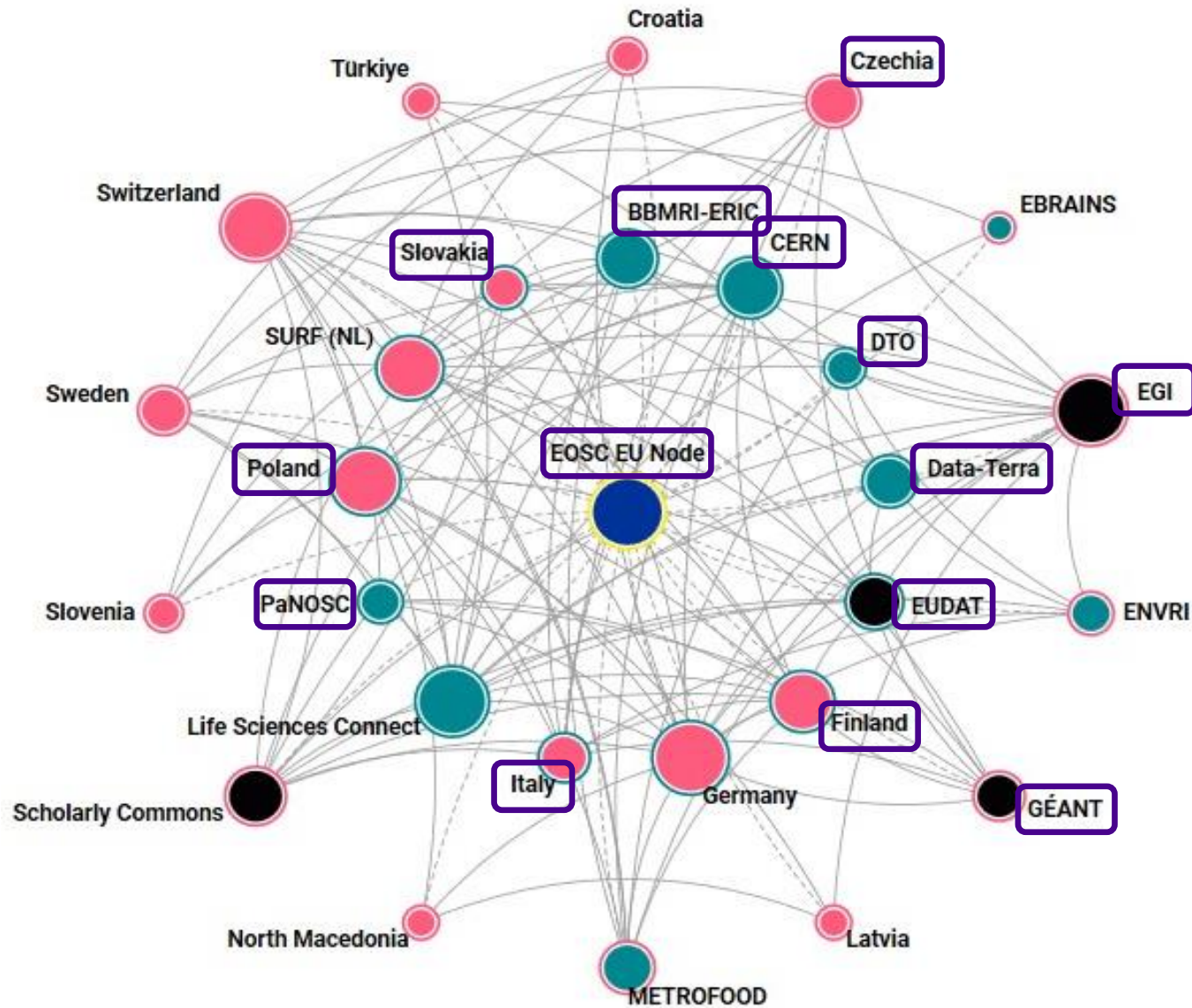
 **EOSC** | Tripartite ↔  **EOSC** | Federation



as a 'system of systems' of 27 EOSC Nodes joining the EOSC EU Node into the Federation in 2025 and 2026



eosc Federation



EOSC EU Node



EOSC Federation



Production status



Thank you!



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