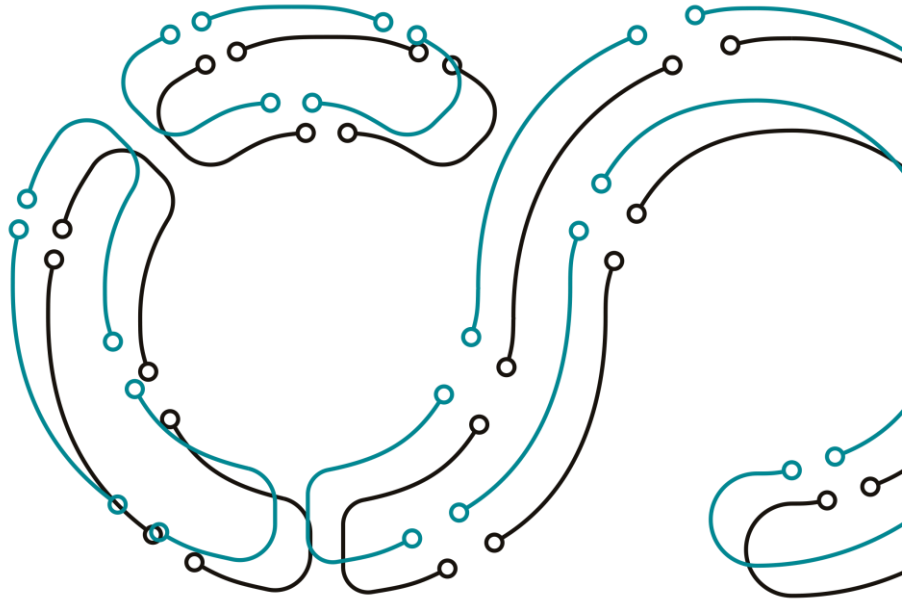
One year of the EOSC Federation: What we have build together

Bob JONES
EOSC-A/CERN




eosc Federation
EOSC Symposium 2025 / 03-05 November / Prussels
Welcome to
EOSC FEDERATION

Node Operations Committee

Co-Chairs: Aastha Mathur (LSC), Roksana Wilk (Poland), Massimiliano Assante (European DTO), Secretariat: Neringa Jackevice (EOSC-A)

Node Coordinators Committee

Chair: Bob Jones (EOSC-A), Co-Chair: Matteo Zanaroli (ICSC), Secretariat: Paola Ronzino (EOSC-A)

Operations

Architecture & Federating Policies

Co-Chairs: Peter Maccallum (LSC), Giacinto Donvito (Italy), Tommi Suominen (Finland), Secretariat: Laurence Desnos (EOSC-A)

Federated Authentication and Authorisation Infrastructure (AAI

Co-Chairs: Christos Kanellopoulos (EU Node), Peter Lényi (BBMRI-ERIC), Secretariat: Laurence Desnos (EOSC-A)

Federated EOSC Node Resource Catalogues

Co-Chairs: Jessica Parland-von Essen (Finland), Paolo Manghi (EU Node), Andreas Turk (BBMRI), Secretariat: Lassi Lager (Finland)

Help Desk

Pavel Weber (KIT, EGI Node)

Service Monitoring*

14 October 2026

Capabilities

File Sync & Share

Chair: Ron Trompert (SURF), Secretariat: Claudia de Visser (SURF)

Virtual Research Environments*

Federated Compute and Storage

Training & Competencies

Co-Chairs: Oliver Knodel (PaNOSC), Magdalena Szuflita-Żurawska (Poland), Secretariat: Yann Libaers (EOSC-A)

Scientific Repositories*

Governance

Legal & Governance

Co-Chairs: Vera Herkommer (LSC), Jos van Wezel (EUDAT), Secretariat: Maja Dolinar (EOSC United)

Cybersecurity

Chair: Urpo Kaila (Finland), Secretariat: Brina Klemencic (EOSC-A)

Handbook

Chair: Andy Gotz (PaNOSC), Secretariat: Miguel Rey-Mazon (EOSC Gravity)

300+ people involved + links to Task Forces & Projects

*Working group not yet endorsed by the Node Coordinators Committee

Mandatory Federating Capabilities



Federated AAI

Single sign-on across all EOSC nodes — enabling seamless, policy-compliant access for researchers

Fed AAI WG



EOSC Catalogue

Exposure of node services and datasets through the common EOSC resource catalogue with FAIR-aligned metadata

Fed Cat. WG



Helpdesk

Node-level user support integrated with the federation-wide helpdesk system, ensuring consistent service for the research community

Helpdesk WG



Monitoring

Continuous service monitoring feeding into federation-wide dashboards to maintain transparency, reliability and SLA compliance



Service Mgmt System

Structured service management framework (FitSM) governing how node services are operated, improved and reported

EU Node Support

Node Operations Committee : on-going
EOSC Beyond & EOSC United projects

Progressively being adopted by all nodes as part of enrolment and transition to production

Thursday
2:30 PM EOSC Federation federating capabilities

First Training Courses

A collaborative initiative for mutual learning and knowledge sharing by bringing together knowledge created within the EOSC Federation ecosystem https://eosc.eu/academy

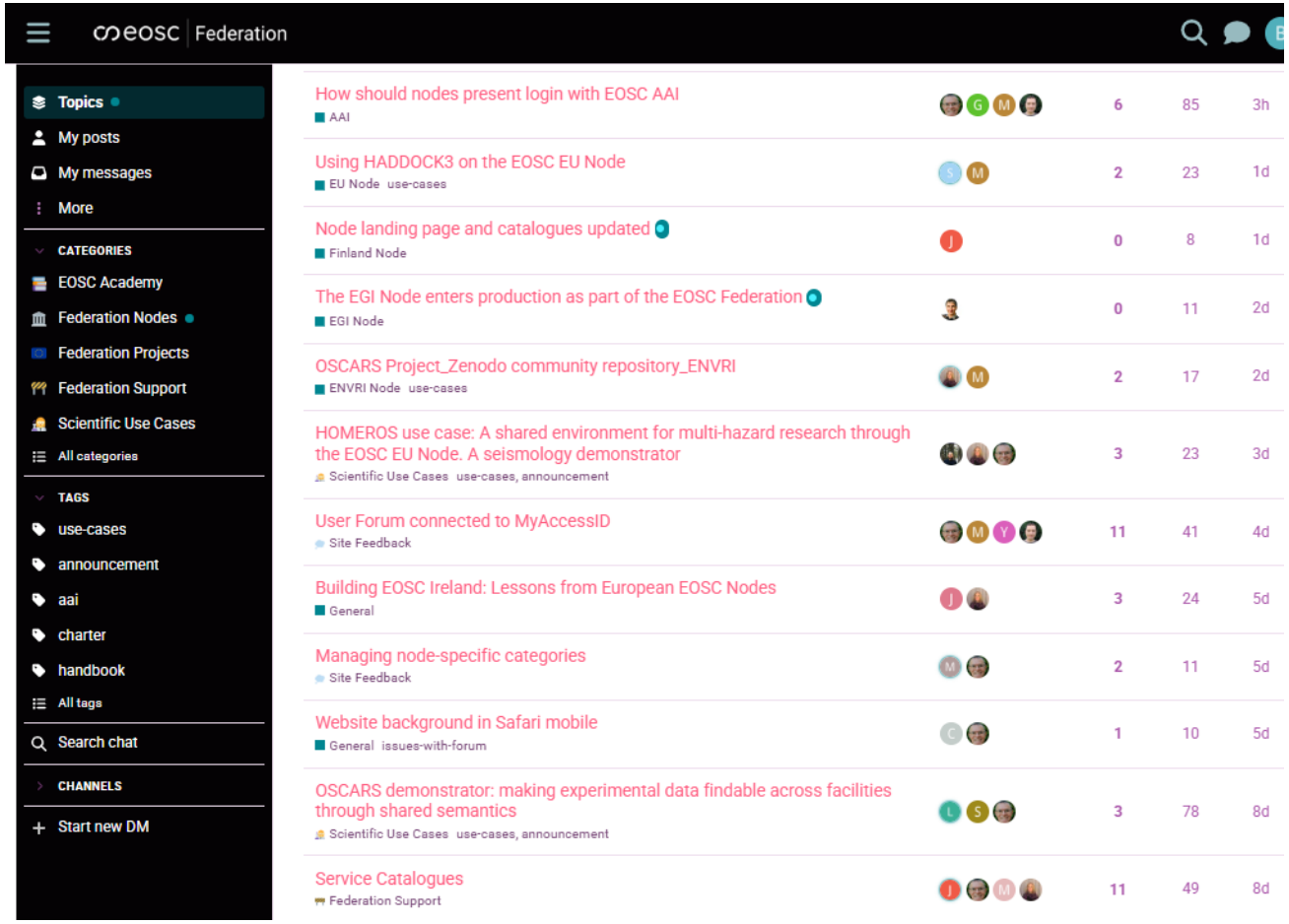
Explaining the EOSC Federation	☑	Introduces the EOSC Federation, explaining its purpose, governance structure, the role of Nodes and their interconnection, and presenting current stage of development. It also explores key achievements, challenges, and lessons learned from the Federation's evolution.
Applying the EOSC Federation Handbook	☑	The EOSC Federation Handbook is a practical guide for facility managers, resource providers, and technical staff implementing the EOSC Federation. This course explains how to apply the Federation Handbook with the help of real-world Node implementations. It will provide guidance on how to build Nodes and join the Federation.
Use cases for the EOSC Federation	☑	Explores how to design, implen ethodology with real-world examples from
Creating your EOSC Node Project Charter	☑	Designed for the EOSC cascading grants beneficiaries, Node coordinators, consortium partners, technical leads, and policy officers who are preparing to join the EOSC Federation. It provides details, examples and tools to support the creation of the required Project Charter that is the first mandatory deliverable expected to be published by all Nodes.
Developing an Onboarding Services Policy		This practical course translates Federation requirements into actionable guidelines and workflows for publications, data, and software. It also addresses other relevant important aspects such as technical integration, FAIR principles, and quality standards to ensure resources are discoverable, and provides the expertise to align concrete onboarding practices with the EOSC Federation's best practices.
How to onboard services to EOSC Nodes		Introduces the operational remit of the EOSC Nodes. In particular, course participants can expect to gain a basic understanding of the onboarding policies of select EOSC Nodes, and how Nodes support the visibility and discoverability of services within the broader Federation landscape.
The EOSC AAI explained	☑	Introduction to the EOSC Authentication and Authorization Infrastructure (AAI), explaining its purpose, architectural structure, the implied underlying protocols, the role of Nodes and their interconnection, and presenting the current stage of development and adoption.

Thursday
11:45 AM Usage of EOSC Nodes and related benefits

5
Funded by the European Union

EOSC User Forum

The voice of the research community



Purpose

- Capture demand-side user feedback on service quality, usability and FAIR data access across the Federation
- Ensure the research community voice informs development and priorities
- Complement technical governance bodies, which operate on a supply-side basis

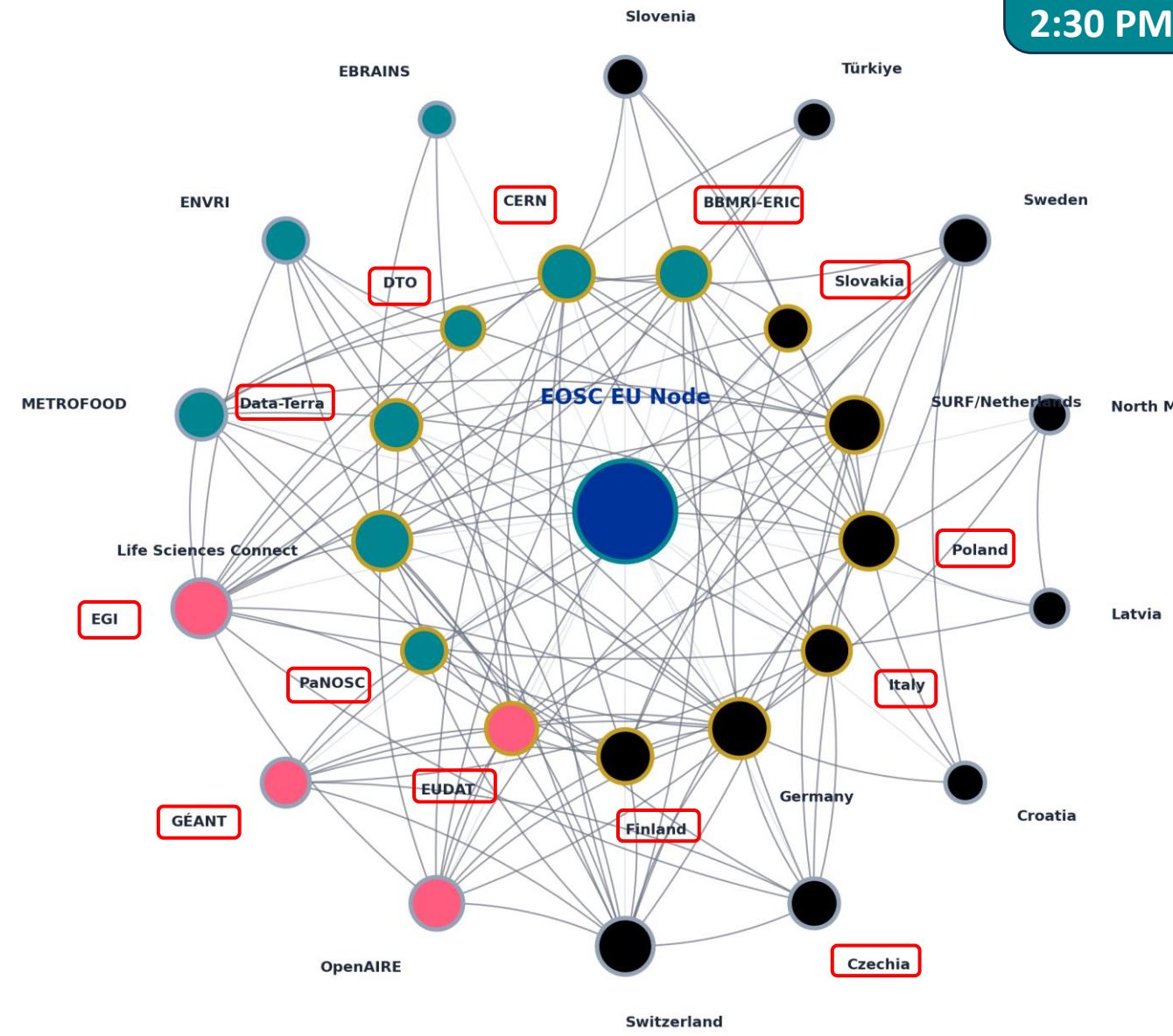
Outputs

- Periodic user experience reports with prioritised improvement recommendations
- Dedicated user forum events building the community and capturing success stories

Thursday
4:30 PM EOSC Federation User Forum

EOSC Federation

Thursday
9:45 AM EOSC EU Node
2:30 PM EOSC and ERICs/ESFRIs



Aiming for Production by Symposium

Enrolment support window	Node
1: May-Aug 2026	EGI Node EOSC CZ Node GÉANT EOSC Node EOSC Scholarly Commons Node
2: Sep-Dec 2026	METROFOOD-RI EBRAINS EOSC Node ENVRI EOSC Node EOSC Latvia Node Croatian EOSC Node
3: Jan-Apr 2027	EOSC Node North Macedonia Turkish National EOSC Node Slovenian EOSC Node EOSC Node Switzerland Swedish National EOSC Node

Many more candidate nodes are preparing for a 3rd wave of enrolment in 2027

Documented cross-node collaborations mined directly from the nodes' latest project charters, coloured by node type; EOSC EU Node shown as universal dependency

Summary of requirements for an EOSC Federation Node to transition to Production

ID	Requirement	Type	Verified by
E.1	Node selected through the Tripartite enrolment process	Mandatory	Tripartite Governance / EOSC-A
E.2	Node dedicated page published on eosc.eu	Mandatory	EOSC-A
E.3	Node project charter updated	Mandatory	EOSC-A
E.4	Observer delegates communicated to the BuG bodies	Mandatory	EOSC-A
E.5	Node Infrastructure Proxy in the AAI acceptance environment	Mandatory	EEN Onboarding Team
E.6	Use cases from the project charter documented	Mandatory	EOSC-A

Legally-binding framework agreement for production is in preparation

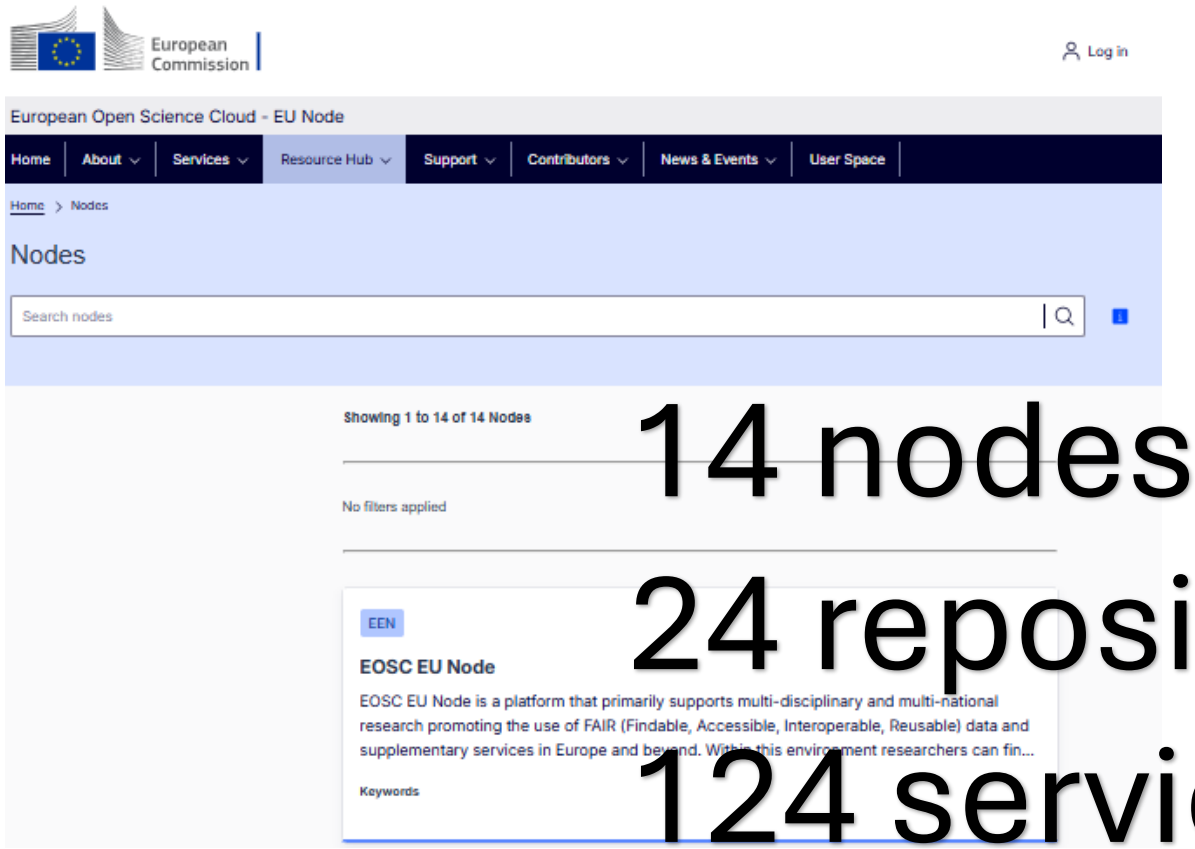
ID	Requirement	Type	Verified by
P.1	EOSC Federation MoU signed	Mandatory	EOSC-A
P.2	Node Infrastructure Proxy in the AAI production environment	Mandatory	EEN Onboarding Team
P.3	Node registered in the EEN Node Registry; at least one Catalogue published	Mandatory	EEN Onboarding Team
P.4	Node Exchange resources available to EOSC end-users	Mandatory	EOSC Nodes, EOSC-A, EEN Onboarding Team
P.5	Node helpdesk service in place	Mandatory	Helpdesk WG secretary
P.6	Node Cybersecurity Officer nominated and participating	Mandatory	Cybersecurity WG secretary
P.7	Node Landing Page compliant	Mandatory	EOSC Nodes, EOSC-A; EEN Onboarding Team
P.8	Node service monitoring available	Recommended	Node Operations Officer to NOC chairs
P.9	Node Service Management System available	Recommended	Node Operations Officer to NOC chairs
P.10	Node formally declared to be in Production	Mandatory	Node Coordinators Committee

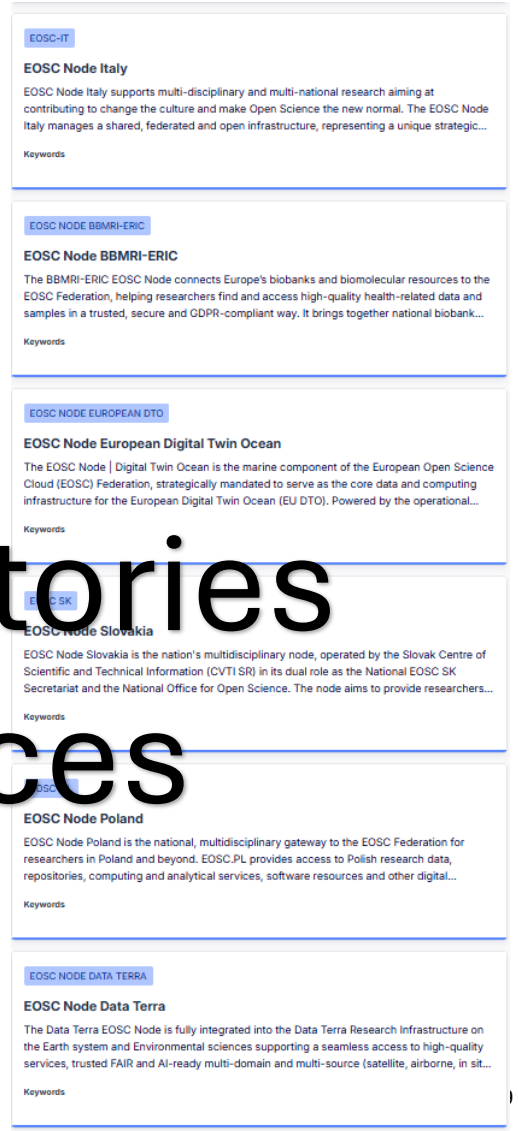
Thursday
9:45 AM EOSC Fed Nodes in production: Lessons learned nd next steps

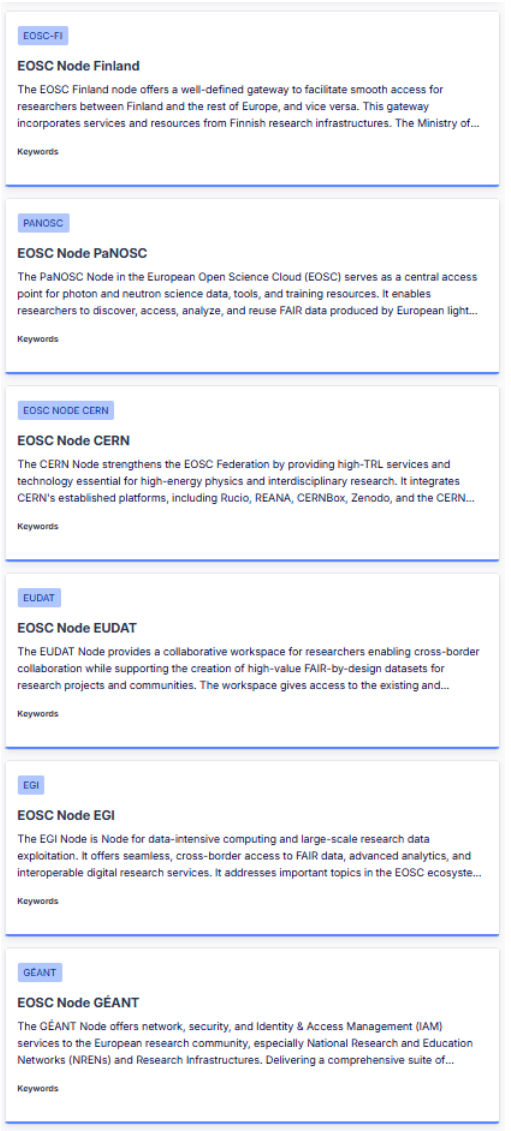
EOSC Federation in Production

Friday
11:45 AM EOSC Federation: What's Next

https://open-science-cloud.ec.europa.eu/resources/nodes







14 nodes

24 repositories

124 services

and growing . . .