# Building the EOSC Federation past & future milestones

11 Sept 2025

**EOSC French National Tripartite event** 

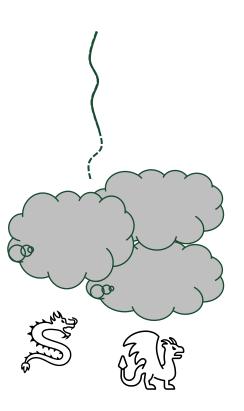
Pantelis Tziveloglou

DG Research and Innovation







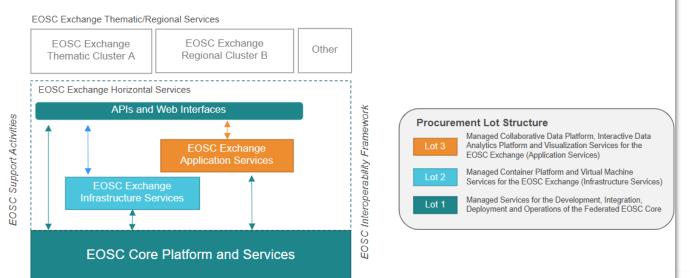


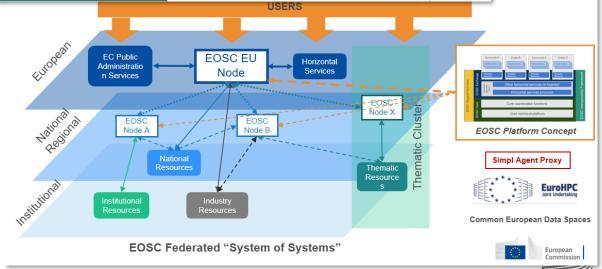
Here be dragons



#### **EU Node contract start**

#### **Procurement Lot Structure**







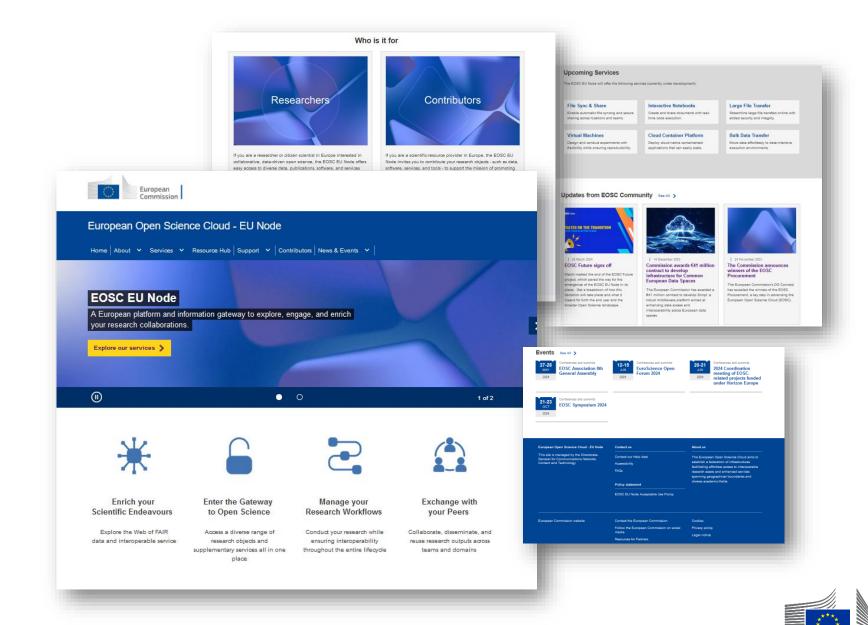


Feb '24 🛊

Apr '24

**EU Node contract start** 

EU Node web presence



Feb '24

Apr '24

Jun '24 **√** 

EU Node contract start

EU Node web presence

Call for EOSC Nodes



C - Collaboration

The Association ~

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FOSC Focus

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Home / EOSC / Building the EOSC Federation / Questionnaire: Build-up phas.

### Questionnaire for parties interested in contributing to the build-up phase of the EOSC Federation

The construction of the future EOSC has entered an important phase. The EOSC EU Node is expected to be presented to the scientific community in the frame of the EOSC Symposium in October 2024. Meanwhile, the discussions are intensifying on the aims, structure and tasks of the individual EOSC Nodes that will complement the EOSC EU Node to initiate the formation of the EOSC Federation.

The Tripartite Governance of EOSC is therefore launching a questionnaire to gauge the scale and scope of general interest and readiness for the build-up phase of the EOSC Federation. Interested parties are invited to reply to the questionnaire as the first step in their eligibility to contribute to a testbed of potential EOSC Nodes representing the different stakeholders involved in the research communities of Europe.

Based on the replies to the questionnaire, several organisations will be invited by the Tripartite Governance to contribute to the refinement of the EOSC Federation concept during the build-up phase. The build-up phase will help the Tripartite to gain experience from cooperation between the future EOSC EU Node and the individual future EOSC Nodes, and to test the different aspects of the EOSC Federation Handbook in practice. The invited organisations shall reflect the different types of stakeholders and organisations to ensure the best possible representation of the various European research communities.

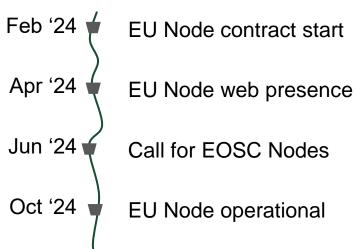


WEBINARS FOR PARTIES INTERESTED IN BUILDING UP THE EOSC FEDERATION

Proceed to questionnaire

DEADLINE: 18 AUGUST 2024, 23:59 CEST





















Feb '24 🛊 EU Node contract start

Jun '24 🙀

Oct '24 🚽

Mar '25

Apr '24 EU Node web presence

Call for EOSC Nodes

EU Node operational

Build-up kick-off







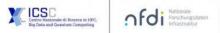


























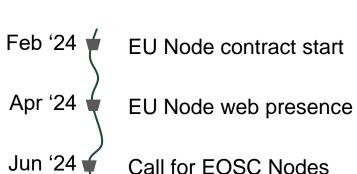












Oct '24 🚽

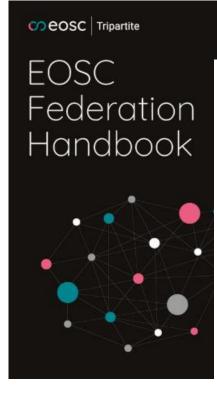
Mar '25

Call for EOSC Nodes

**EU** Node operational

Build-up kick-off

**EOSC Federation Handbook** 



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Feb '24 🛊 **EU Node contract start** Apr '24 EU Node web presence Jun '24 🕌

Call for EOSC Nodes

Oct '24

Mar '25

**EU Node operational** 

Build-up kick-off

**EOSC Federation Handbook** 

Build-up organisational set-up

#### **EOSC Tripartite Governance**

#### Fed Build-up strategic decisionmaking body

- Adopts Fed Build-up timeline
- Adopts Fed Build-up policies
- Adopts Candidate Nodes' application process/criteria
- o Develops strategic criteria for Candidate Nodes' composition
- Decides on Candidate Nodes' applications
- Decides on Fed Build-up organisational structure
- Develops the EOSC Federation govern/finance/operations model

#### **EOSC Fed Build-up Group**

#### Fed build-up implementation body

- o Proposes and implements the Fed Build-up timeline
- o Proposes and implements Fed **Build-up policies**
- Proposes technical criteria for Candidate Nodes' enrolment
- Decides on technical implementation solutions
- Performs technical assessment of Candidate Nodes' applications
- o Decides on Build-up group organisational structure (e.g. subgroups)

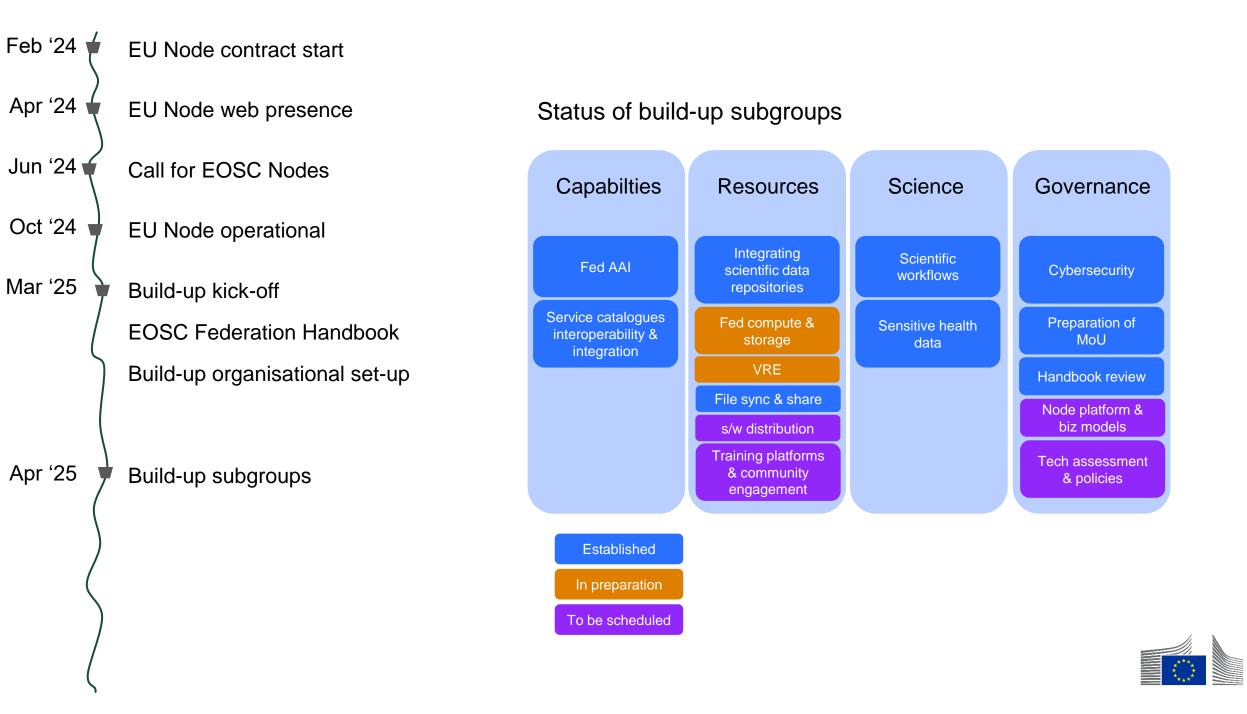
#### **EOSC Fed Build-up Support** & Coordination Office

#### Fed build-up coordination & **support** body

- Coordinates the activities implementing the Fed Build-up timeline
- Supports the Fed Build-up Group
- o Contributes in relevant Fed Buildup Group activities
- Implements the Fed Build-up communication activities
- Organises community engagement activities
- Supports the EOSC Tripartite Governance







Feb '24 1 **EU Node contract start** Apr '24 EU Node web presence Jun '24 📹 Call for EOSC Nodes Oct '24 \ **EU Node operational** Mar '25 Build-up kick-off **EOSC Federation Handbook** Build-up organisational set-up Apr '25 Build-up subgroups Priority use cases

#### Candidate multi-Node scientific use cases

Exploring the impact of marine microbiomes on carbon sequestration

#### Cross-node workflows

- REANA based ATLAS/CMS experiments' open data processing
- Galaxy based imaging data in the environmental and life science domains

PaN-Finder: Photon and neutron federated knowledge finder an AI-enabled data search tool for navigating the large data sets of European Research Infrastructures

MCVAL: A prostate cancer screening tool that employs multi-centric validation of Al models

AMR: Use of genomic sequencing analysis to facilitate cross-border surveillance of anti-microbial resistance



Feb '24 🛊 **EU Node contract start** Apr '24 EU Node web presence Call for EOSC Nodes Oct '24 **EU Node operational** Mar '25 Build-up kick-off **EOSC Federation Handbook** Build-up organisational set-up Apr '25 Build-up subgroups Priority use cases **EOSC AAI** Jun '25



**EOSC Association** 

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#### EOSC AAI Architecture 2025

#### Implementation of the EOSC AAI Federation

#### March 2025 Version

This document is an output of the EOSC Authentication and Authorisation Infrastructure (AAI) Working Group. The EOSC AAI WG is one of three WGs under the "Technical and Semantic Interoperability Task Force" [EOSC-TSI-TJ of the EOSC Association [EOSC-Association]. The focus of the AAI WG is to deliver the next versions of the EOSC AAI architecture. It operates under the AARC Engagement Group for Infrastructures [AEGIS] of the Authentication and Authorisation for Research and Collaboration Community [AARC], with direct support from the AARC-TREE project [AARC-TREE] and it works closely with the AARC Architecture [AARC-Architecture] and Policy WGs [Policy-WGs], as well as the other WGs within the Technical and Semantic Interoperability Task Force [EOSC-TSI-TJ]. The group brings together more than 40 experts on Authentication and Authorisation Infrastructures from 31 organisations across 16 countries, representing national, regional, European, and international initiatives. More information about the group's membership can be found on the group's web pages [EOSC-AAJ].





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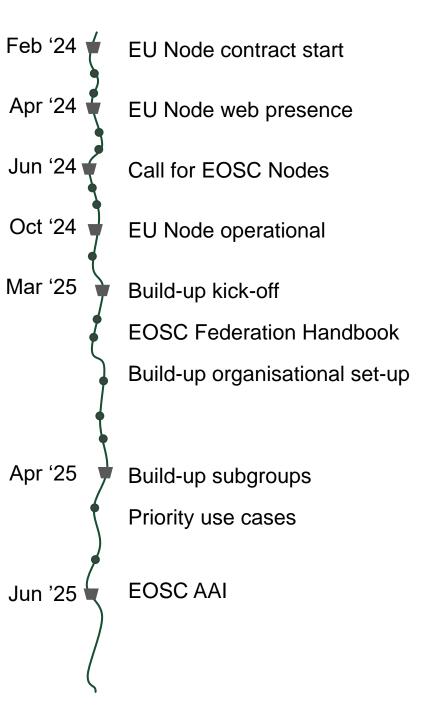
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Subject Identifiers

Supported Protocols in the EOSC AAI Federation Enrolling a Node with the EOSC AAI Federation Claims available in the EOSC AAI Federation

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Many more milestones, turning points, swamps, highways, ..., along the way



Coming soon





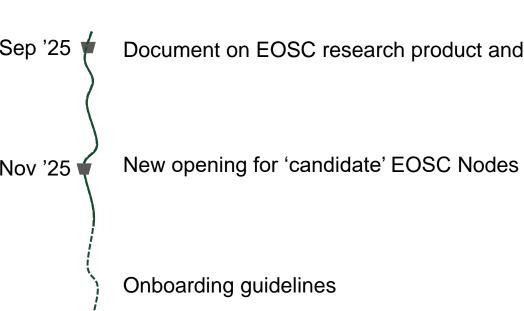
Document on EOSC research product and Node catalogues

Nov '25 **•** 

New opening for 'candidate' EOSC Nodes

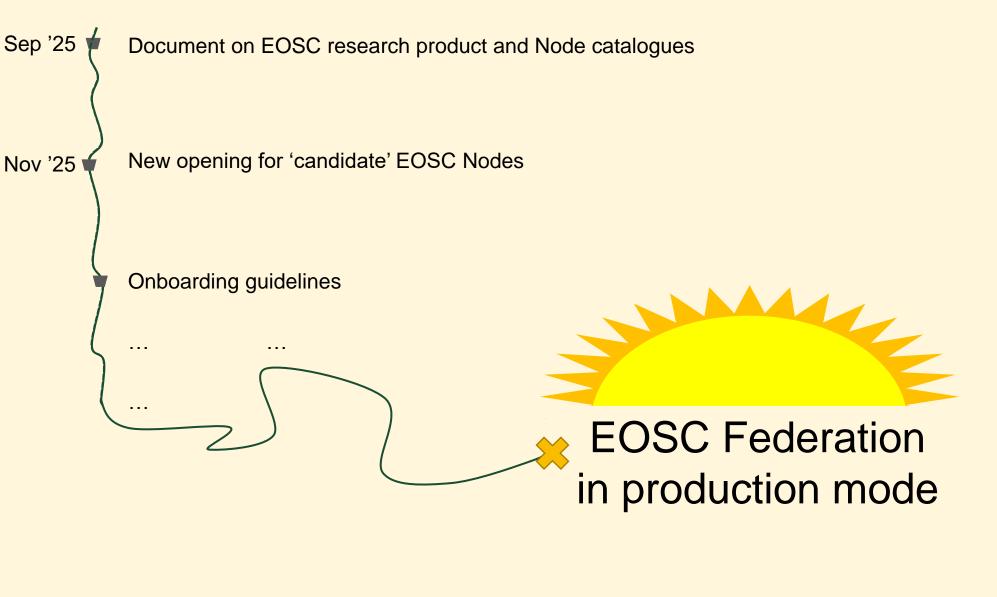






Document on EOSC research product and Node catalogues





## Thank you



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