Status of the EOSC Federation

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Overview of questionnaire submissions

Open: 12 Jun 2024 - 18 Aug 2024 (late submissions accepted until 31 Aug 2024)

121 Submissions

25 Countries plus many international organisations

52 Nodes with hundreds of repositories and services

5 Node types: thematic, national, institutional, regional, and other (such as the EU Node)

42 Nodes are ready to be deployed before July 2025

What is the added value that you see for you and for your users in contributing to the EOSC Federation?

Summary of responses

- Increased visibility and reach

- Collaboration and interoperability

- Support for Open Science and FAIR principles

- Access to broader resources and expertise

- Influence on policy and standardisation

- Sustainability and economic benefits

Goals of the build-up phase of the EOSC Federation

- Testing and building interconnections of the essential federating capabilities (offered by the EOSC EU Node)
  EOSC AAI, federation-wide catalogue of resources, sharing metadata of research objects via EOSC knowledge graph,…

- Advancing towards the automated orchestration and deployment of recipes across autonomous service domains (both for data access and execution), federation of file sync & share and the aggregation of monitoring information
  supported by a common top-level helpdesk processes across the Federation

- Exploring the organisational arrangements, including those related to the implementation of policies shared across the Federation
  required for a smooth enrolment of Nodes into the EOSC Federation

- Estimating the costs, effort and time required to enrol a node and onboard a resource to the EOSC

- Defining, establishing, and testing demonstratable and actionable multi-node end-to-end use cases and scientific workflows

- Involving the "end-user" at least through consultation and testing the various stages of development

Technical goals, *Organisational and legal goals*, *Scientific/User/Community goals*

European Commission

Suggested analysis criteria

Sequencing of Nodes along the criteria:

- Focus on defining, testing and implementing federating capabilities and the enrolment process
  - *Focus on respondents proposing a Node (at least 52 respondents)*

- Respect readiness to start contributing to the build-up phase [Q6]
  - *before July 2025: 42 respondents across categories, July to December 2025: 5 respondents across categories, after 2025: 5 respondents across categories*

- Aim for an initial set of Candidate Nodes that includes a diversity of resources (see last point), geographic scope, thematic research communities and types of organisations
  - ***5 categories of Nodes: national, regional, thematic, institutional & other***
  - *Take potential onboardings of other respondents to the Candidate Nodes into account*
  - *Take potential pull of Candidate Node in thematic community, country or region into account*
  - *Inspect correlations among respondents, potentially seek for further coordination*
  - *Respect synergies with and between ongoing initiatives (EU Node, EOSC Beyond, others)*

- Listed high TRL [TRL 7-9] resource(s) that already exist and are accessible (ideally without any restrictions at no cost) to end-users [Q4] and have associated support services [Q7]
  - *Aim for a diversity of (for the start **relevant**) services and data (repositories), to be identified*

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Target groups for engagement

1st tier
Respondents

- **121 respondents** to the "Questionnaire for parties interested in the build-up phase of the EOSC Federation", in particular those indicating interest in becoming EOSC Nodes (52 organisations)

2nd tier
Intersted organisations

- **Interested organisations** that did not fill-in the questionnaire

- **EOSC-A membership,** in particular Mandated Organisations

3rd tier
Broader community

The **broader EOSC community** such as:

- EOSC-A Newsletter subscribers

- EOSC-A Task Forces members

- INFRAEOSC project participants

Timeline: Towards the EOSC Federation

- Questionnaire for parties interested in contributing to the build-up phase of the EOSC Federation closes, attracting 121 responses
- Questionnaire period: 12 June to 31 Aug 2024

- Tripartite Group presents assessment of responses to the questionnaire at the European Tripartite Event in Budapest
- Assessment period: 1 Sep to 7 Nov 2024

- Build-up phase of the EOSC Federation culminates
- Period: Q1-Q3 2025

| 31 August 2024 | 31 October 2024 | 7 November 2024 | Q1 2025 | Q3 2025 |

- Consultation on the EOSC Federation Handbook closes
- Consultation period: 14-31 Oct 2024

- Candidate Nodes are selected
- Dialogue with potential candidate nodes: 7 Nov 2024 to Q1 2025