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2024

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science

13TH IBERIAN GRID CONFERENCE



An update from the European Open Science Cloud Spanish National Tripartite Event

Ignacio
Blanquer

EOSC-A Board of Directors

Institute of Instrumentation for Molecular
Imaging
Universitat Politècnica de València



Ministerio de Economía y Competitividad



Instituto Nacional de Ciencia y Tecnología

CSIC



FM
UP



EOSC vision in a nutshell

What

EOSC is the European web of FAIR data and related services for research

Research data that is easy to find, access, interoperate and reuse (FAIR)

Trusted and sustainable research outputs are available within and across scientific disciplines

Why

Unlock the full potential of research data to accelerate discoveries and innovation

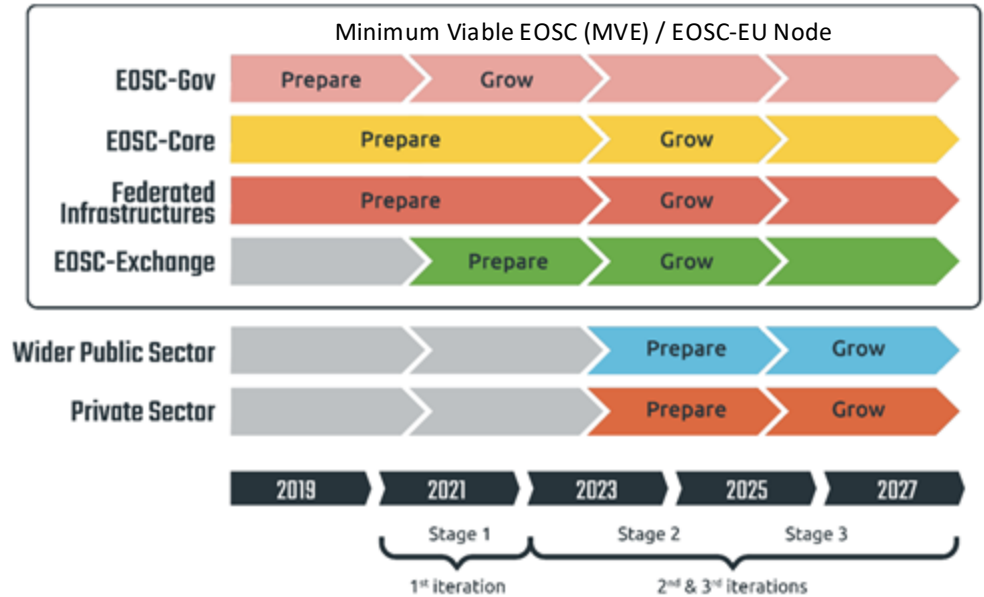
How

- Enabling the definition of standards, and the development of tools and services, to allow researchers to find, access, reuse and combine results
- Establishing a sustainable and federated infrastructure enabling open sharing of scientific results
- Ensuring that Open Science practices and skills are rewarded and taught, becoming the 'new normal'

As described in the Strategic Research and Innovation Agenda (SRIA)

Where do we stand?

- After an initial period of many projects without much convergence (2015-2020) a co-programmed partnership was signed by the EOSC-A and the EC to foster the converge in the implementation period (2021-2026).
- For this it is essential that we get a Minimal Viable EOSC (MVE / EOSC-EU-node) operational aligned with work done by all the relevant communities (European, National and Institutional).
- Extension to the Wider Public sector foreseen in 2025-27



Section 4.5.5. Future Outlook of the SRIA:

https://eosc.eu/wp-content/uploads/2023/12/20231114_SRIA_1.2_final2.pdf

European Open Science Cloud Partnership

EOSC STEERING BOARD



Anna
Panagopoulou

European
Commission

DG-RTD
DG-CNECT



Volker
Beckmann

Member States
and Associated
Countries

EOSC ASSOCIATION



MS/AC collective
representation

Exchange of
information



President
Karel Luyben



Secretary General
Ute Gunsenheimer

BOARD

General Assembly
(including organisations
performing research, funding
research, providing services,
organisations mandated by
MS/AC and other organisations)

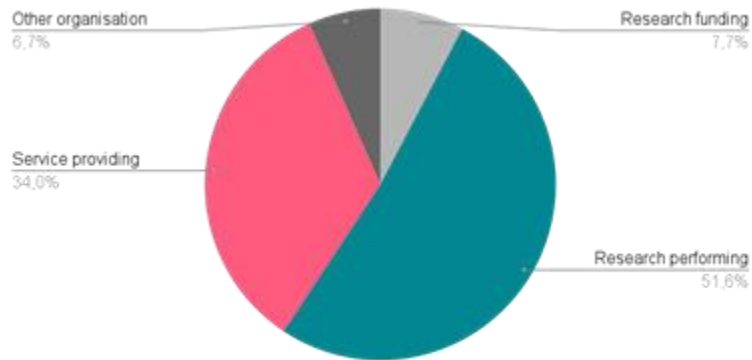
The EOSC-A

- Composition
- SRIA & MAR
- Relevant Events coming next
- Task forces
- INFRAEOSC EU Projects

A strong member base of 156 Members and 92 Observers



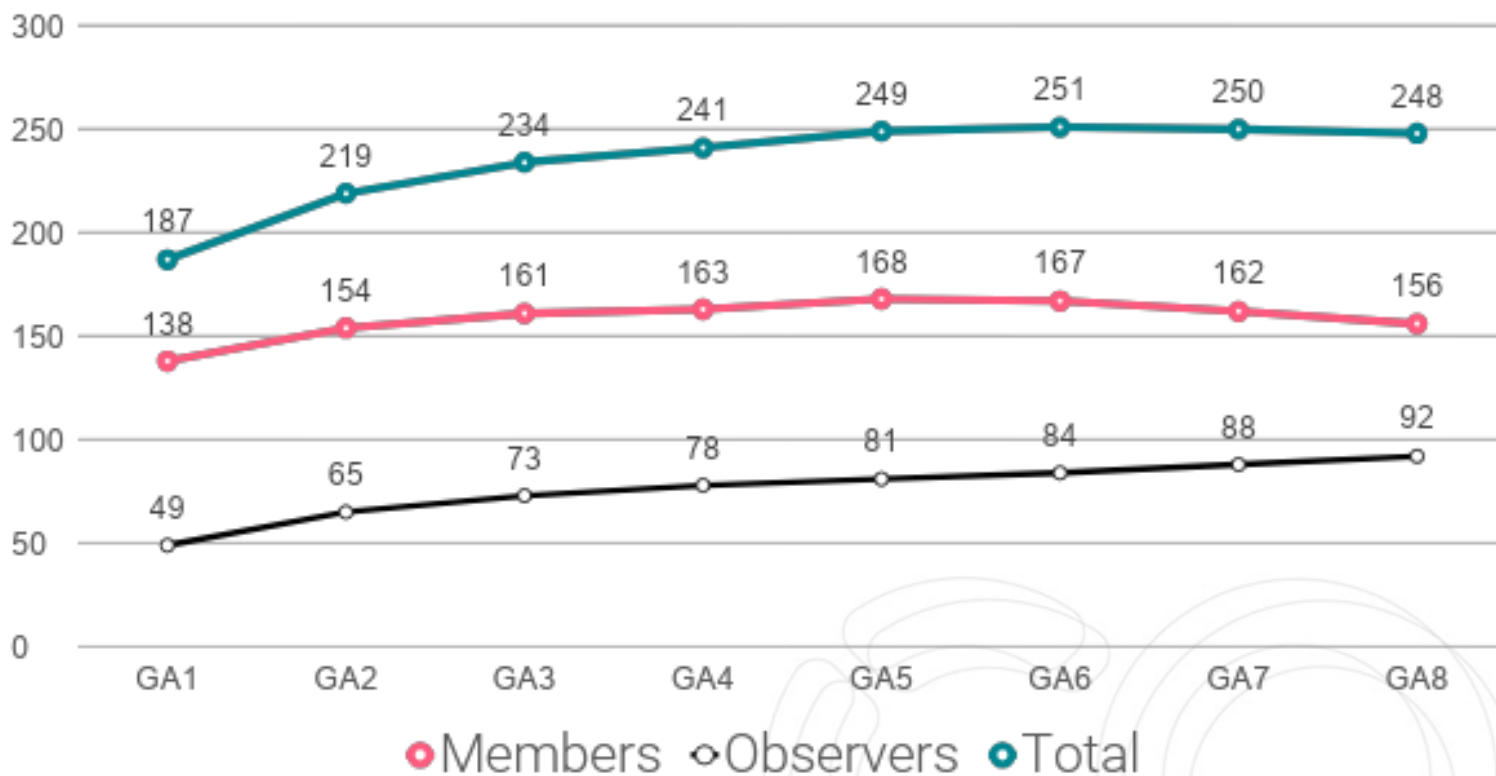
29 Spanish institutions
2+1 from Portugal



<https://eosc.eu/news/2024/06/the-federation-nodes-and-governance-eosc-as-8th-general-assembly-brings-the-future-into-focus/>

(*) Until December 2024
(**) Provisionally approved

Evolution of the EOSC-A member base



50 experts, focused on extending the FAIR metrics beyond the repositories and considering a wide range of objects.

1 FAIR Metrics and Digital Objects

1



Klaus Tochtermann

57 experts, focused on Technical Interoperability of services, Semantic interoperability of Data and AAI.

2 EOSC Technical and Semantic Interoperability

2



Bob Jones

37 experts, focused on defining policies for retention, appraisal, and re-appraisal of data.

3 Long-term Data Retention

3



Sara Garavelli

44 experts, focused on the convergence of EOSC and EHDS in relation to the interoperability of health data.

4 Health Data

4



Ignacio Blanquer

7 June 2024 b



EOSC Related projects



↑ *Coordinated by Iberian Institutions* ↑



↑ *Participated by Iberian Institutions* ↑



+ 9 new projects from the [infra-2024-eosc-01-01](#) (RI-SCALE, FAIRtoAdapt, FIDELIS, EOSC-Gravity, EOSC-DataCommons, among them).



Strategic Research and Innovation Agenda (SRIA) and Multiannual Roadmap (MAR).



Multi-annual roadmap sets priority activities and outcomes grouped by 3 implementation levels – European, National, Institutional

Three phases of MAR

- 2021-2022: development towards a functional federation of infrastructures
- 2023-2024: expansion to production that generates added value
- **2025-2027: expansion to develop impact from Open Science**

SRIA 2.0 on the making

- Chapter 1: Introduction
- Chapter 2: EOSC Description
- Chapter 3: Interoperability
- Chapter 4: FAIR Data and Metadata
- Chapter 5: AI for FAIR and FAIR for AI
- Chapter 6: Services
- Chapter 7: Governance

eosc.eu/sria-mar

Consultation on the EOSC
Multi-Annual Roadmap
(MAR) 2026-2027

Community consultation open from 03 September to 22 September 2024



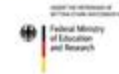
<https://eosc.eu/sria-2-0-community-consultation/#SurveyInsights>

eosc Recent events

- 464 attendees in person, plus more than 400 online registrants.
- 26 sessions.
- Not a scientific event, a networking and lobbying event.



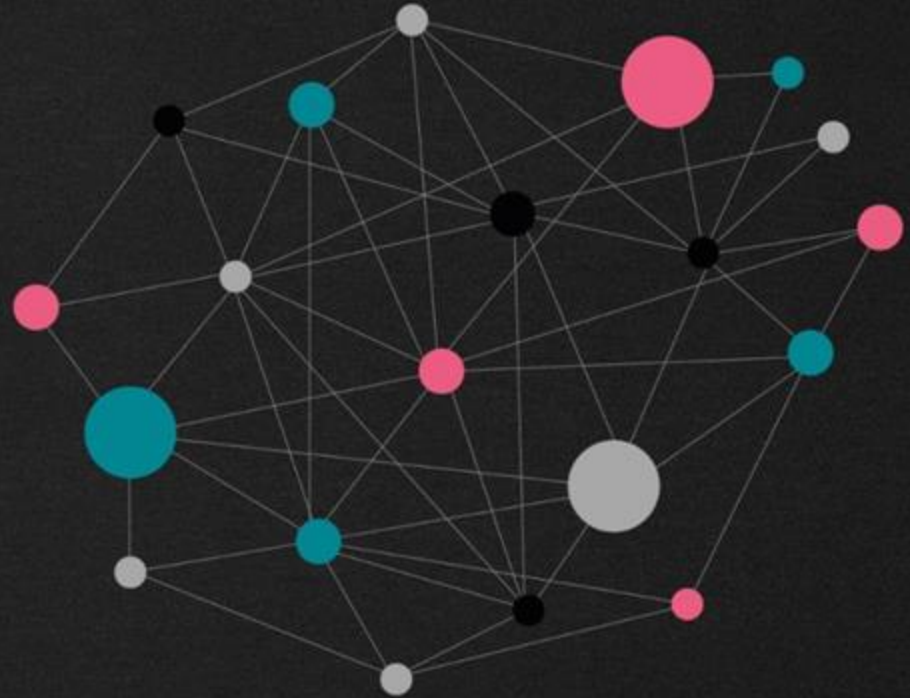
eosc.eu | #eoscsymposium2024



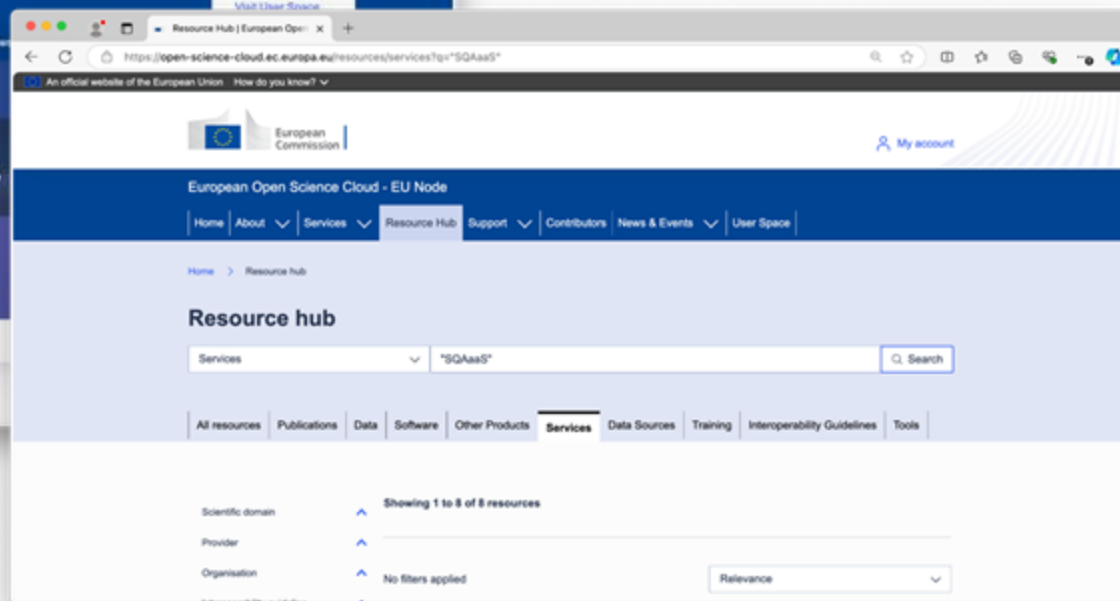
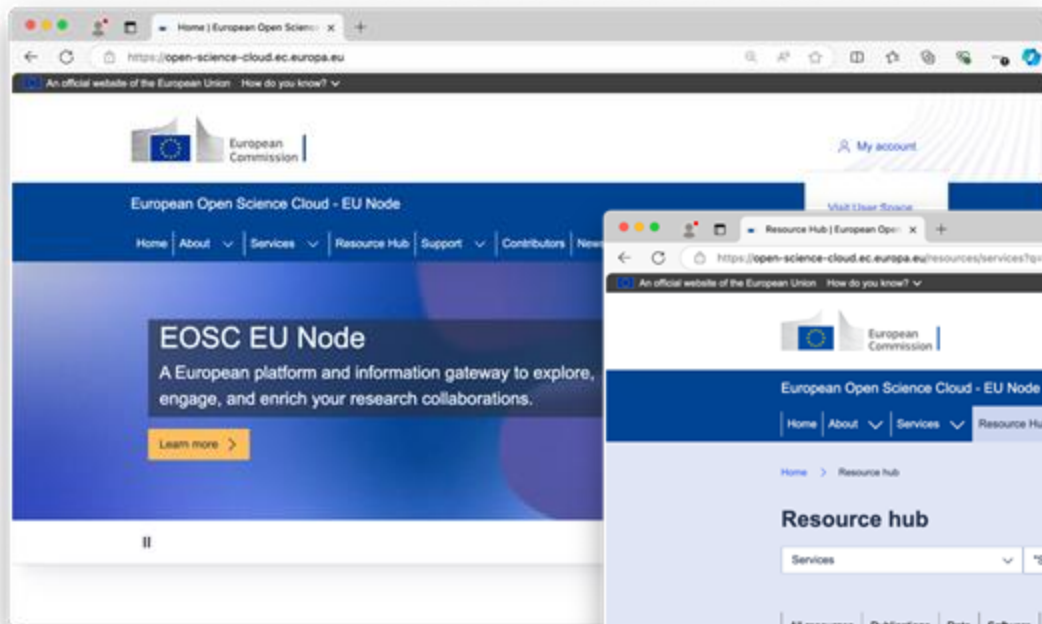
<https://eosc.eu/eosc-symposium-2024-outcomes-and-resources/>

The EOSC Federation and the EOSC-A

- The EOSC eu Node
- The EOSC Handbook
- The EOSC Nodes
- Timeline



The EOSC EU Node Landing page and Resource Hub



The EOSC EU Node Resources

Virtual Machines
Design and conduct experiments with flexibility while ensuring reproducibility.
[About the service](#)

500 Credits
Actual total credits remaining in this period. Refreshes every 90 days.

Available environments (3)

Small	Medium	Large
vCPUs: 2	vCPUs: 8	vCPUs: 8
GPU: -	GPU: -	GPU: 1
RAM (GB): 8	RAM (GB): 64	RAM (GB): 32
More info	More info	More info
10 credits / day Specific timeframe required	40 credits / day Specific timeframe required	400 credits / day Specific timeframe required
Run	Run	Request access

Hello Ignacio Blanquer Expert
This is the overview of your EOSC EU Node account.

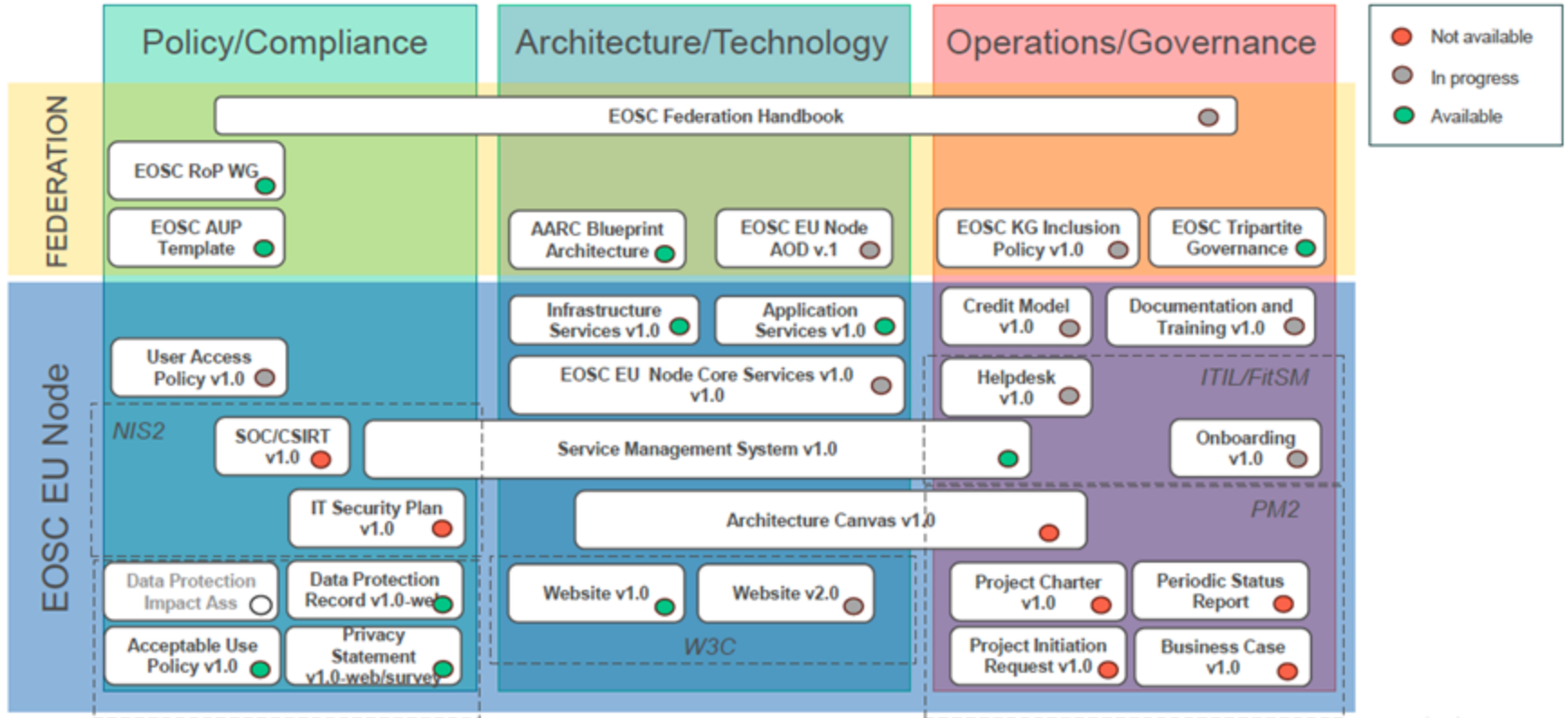
Welcome to the EOSC EU Node!

Services

File Sync & Share Access enabled View Service >	Interactive Notebooks Access enabled View Service >	Large File Transfer Access enabled View Service >
Virtual Machines Access enabled View Service >	Cloud Container Platform Access enabled View Service >	Bulk Data Transfer Access enabled View Service >

Credits renewed 2025-01-20

The EOSC EU Node Available Artifacts



- The EOSC Federation Handbook will comprehensively address the purpose, structure, governance, architecture and operations of the EOSC Federation.
- The Tripartite Group has endorsed EOSC-A to continue to lead the community-wide co-creation of the EOSC Federation Handbook.
- The EOSC Federation Handbook will be written collaboratively with open consultations, meetings, events and sprints.

EOSC Federation Handbook draft table of contents

1. Purpose
2. Operational structure and responsibilities
3. Governance and legal framework
4. EOSC platform
5. Technical operations

- A call for parties interested in contributing to the build-up phase of the EOSC Federation was launched.
- Results are being analysed - Information on the EOSC EU web pages <https://eosc.eu/building-the-eosc-federation/>



Building the EOSC Federation:
requirements for
EOSC Nodes

This paper elaborates on
the requirements for the
formation of an EOSC
Node



EOSC Association
Board position
paper on the
EOSC Federation
and the role of
EOSC Nodes

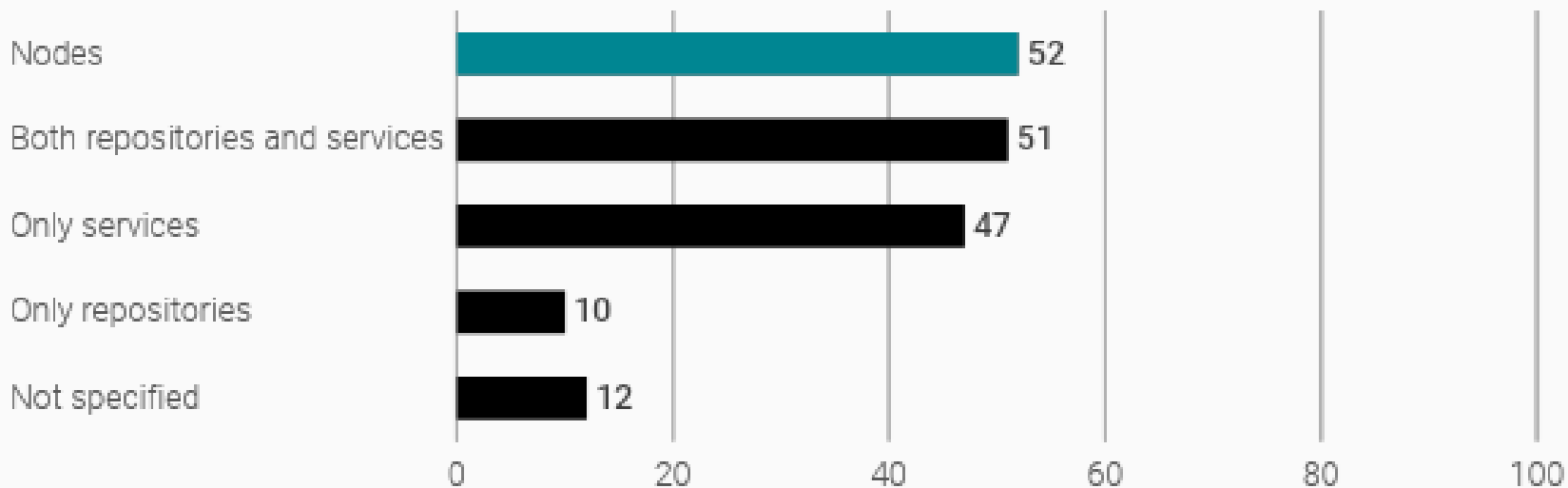
This paper explains the
concept of the EOSC
Federation and Nodes



Q&A (Annex 4)
about the EOSC
Federation and the
EOSC Nodes

Annex 4 of the GA#8
meeting minutes provides
answers to several
questions

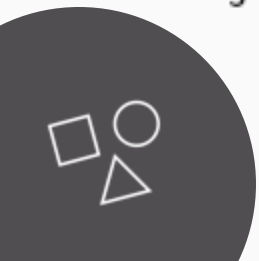
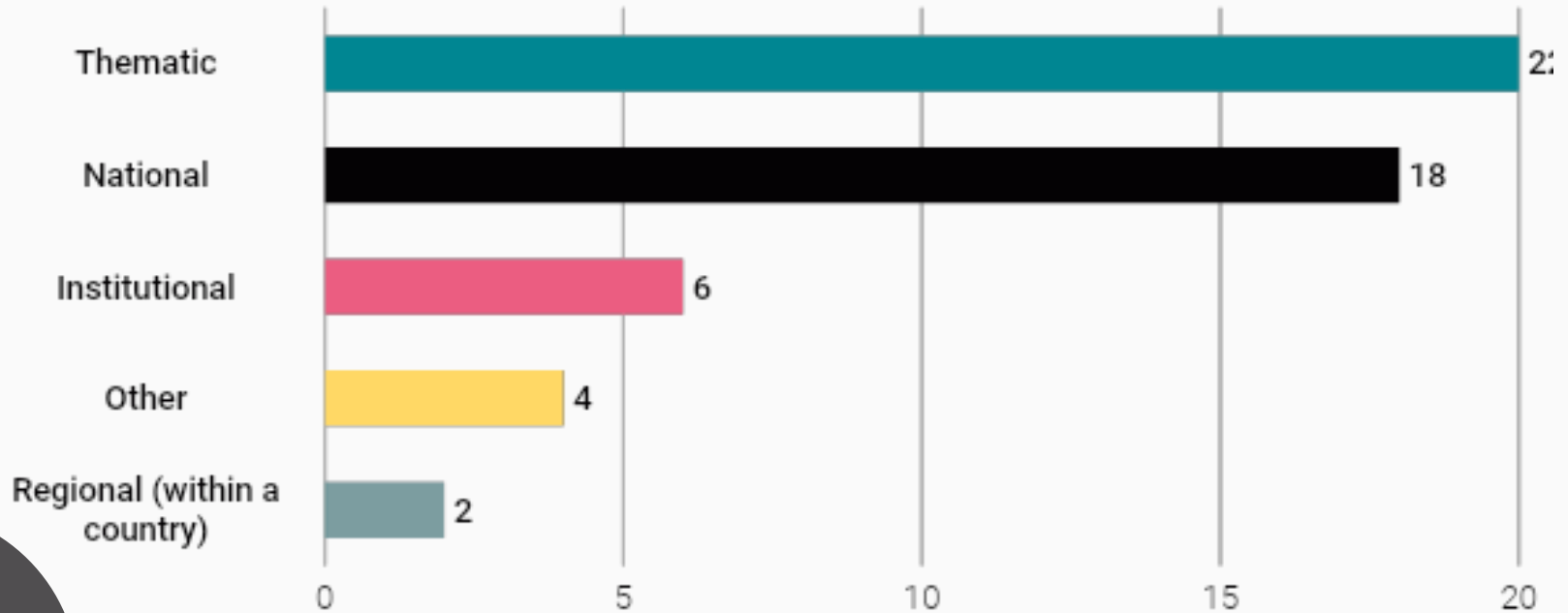
eosc Distribution of submissions



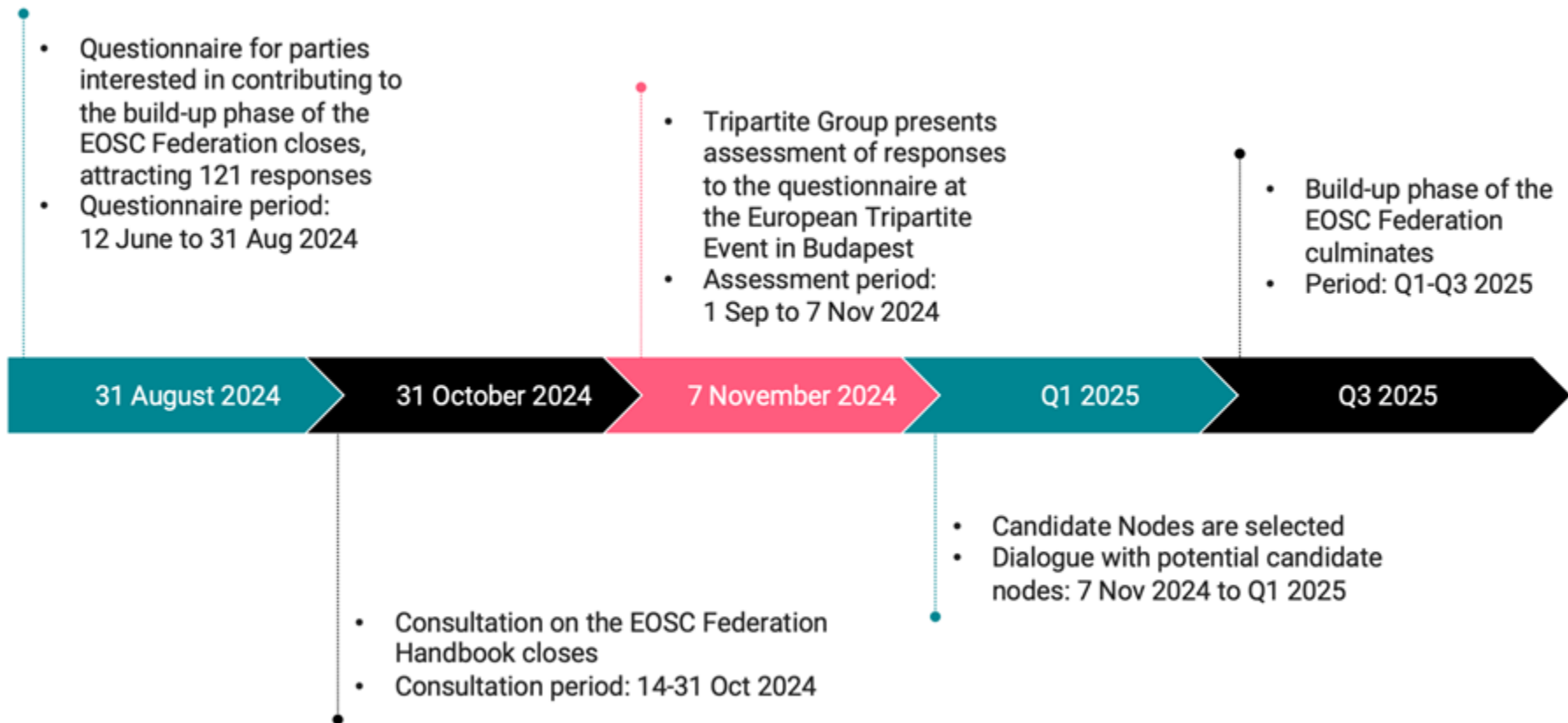
121

Submissions in total

Submissions



Timeline towards the EOSC Federation





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Thank you

