



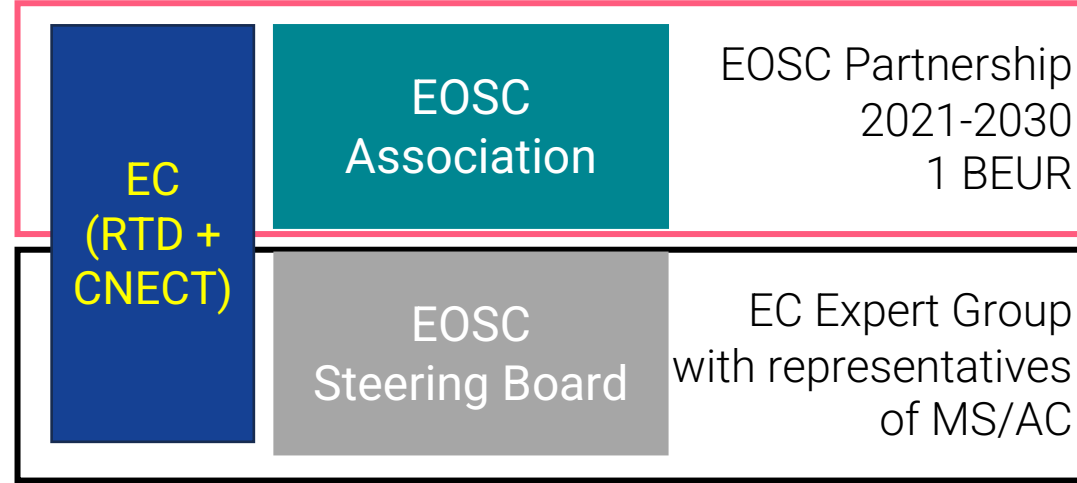
EOSC developments

Karel Luyben

President EOSC Association

EOSC National Tripartite Event,
22 May 2024, Utrecht, the Netherlands





Meets twice per year for half a day



European Commission
EOSC-Steering Board Sub-group Policy
EOSC Association Board of Directors

Meets every 2 – 3 weeks for 2 hrs, can appoint external experts

Re-scoping the Tasks for after 2027

Task 1

Deploying and operating the EOSC EU Node

Task 2

EOSC Federation

Task 3

Enabling a web of FAIR data and services for science

Task 4

Research and prototyping new capacities for the EOSC Federation

Task 5

Enable OS policies and uptake of OS practices through EOSC

Towards a fully-fledged EOSC Federation

<https://eosc.eu/news/2024/05/towards-a-fully-fledged-eosc-federation/>



The significance of nodes

The node concept is where governance, policy and architecture meet

The procurement of the EOOSC-EU- Node and the upcoming 2024 funding call labeled "Future Engagement Model for the EOOSC Federation (2024)" are an opportunities for the community to focus on how we want to organise the EOOSC platform



Types of resources offered by EOSC Nodes

- **FAIR data** - a fundamental goal of EOSC is to build a “web of FAIR data”, therefore nodes should provide FAIR data through one or more trustworthy data repositories.
The data repository must be recognised as belonging to a local, regional, national, or international community of scientific activity.
It must have the right to distribute and share data through a documented data policy adhering to the FAIR principles.
Trust and sustainability of the data repository must be ensured and ideally certified through a certification process e.g. CoreTrustSeal or similar.
- **Services** - a node does not necessarily have to provide data but instead can provide services for processing and/or storing FAIR data.
The node must provide access to the services under a documented policy which defines the rules of usage.
The services must be recognised to be of general interest to a wider community and possibly be open to all EOSC users.
- A substantial number of the EOSC Nodes will most likely provide both **FAIR data and services**.

Return on investment for EOSC Nodes

- **Visibility** – EOSC Nodes will gain wider visibility for their data and services, offered through EOSC's portals and search capabilities, encouraging secondary re-use of data, increased impact for data and service providers.,
- **Cross domain** - cross domain research will be fostered by joining the EOSC Federation, as well as exploitation of research outcomes by industry and the public sector by being part of the EU Data Spaces. The EOSC Federation will form a data space that will have direct linkage with multiple Common European Data Spaces now being deployed as part of the EU Strategy for Data.
- **Common services** - joining the EOSC Federation will provide access to common federating services e.g. AAI, data transfer, monitoring, and accounting, etc.
- **Training** - common training for data stewards and researchers
- **Financial support** - making data and services available to a wider community has a cost for nodes. Joining the EOSC Federation may open the possibility for future financial support to address the additional costs incurred through increased usage of data and services. The exact form of this funding i.e. if it is funded through services or externally, will depend on the future funding of the EOSC and how the Federation evolves.

EOSC Federation Handbook co-creation

- **Aim** – prepare a handbook for the **EOSC Federation of Nodes** which covers the essential aspects of the purpose of the federation, what a node is, how to join, rules of governance, value proposition and rules of participation
- **Who** – driven by the EOSC-A and encouraging all interested parties (EC, Member states/ACs, RIs, EOSC-A members, etc.) who want to participate in the co-creation of the Handbook
- **Process** – the document will be written collaboratively with open consultations, meetings, sprints

Contributing events during 2024, including:

- Tripartite events preparing for the post 2027 governance
- EOSC-A General Assembly consultation sessions with members (May)
- Milestones in the deployment of the EOSC EU Node
- EOSC Symposium presentation and review of Handbook (October)

EOSC Federation Handbook / Draft Outline

- **Purpose**
 - Goals & purpose of EOSC federation
- **Operational structure and responsibilities**
 - Federating Entity
 - Nodes
 - Use Cases
- **Governance and legal framework**
 - Governance structure
 - Legal framework
 - Policies (Rules of Participation, Access Policy, Acceptable Usage Policy, ELSI, IP, etc.)
 - Communication and External Relations
 - Risk management
- **EOSC platform**
 - FAIR Data & Services (Core, Exchange)
 - Interoperability (EOSC Interoperability Framework)
 - Links to external entities (e.g. other data spaces, EuroHPC, etc.)
 - Scientific services (discovery)
 - Training
- **Technical Operations**



EOSC Federation and the concept of Nodes



[EOSC FEDERATION](#)

[EOSC NODES](#)

[ROLE OF THE TRIPARTITE GROUP](#)

[RESOURCES](#)



CALL FOR HANDBOOK CONTRIBUTORS

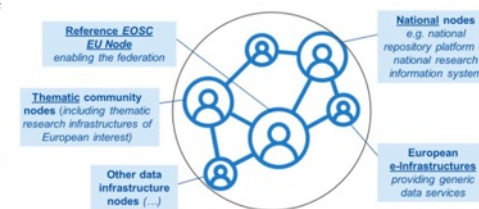
Apply to be a contributing writer of the EOSC Federation Handbook

DEADLINE: 23 MAY 2024, 23:59 CEST

The development of EOSC is an evolving process which gets closer to a working implementation every year.

The most recent development in the architecture of EOSC is the concept of a federation of nodes implementing a system of system type architecture. The first node to be developed is the [EOSC EU Node](#) promoted and financed by the European Commission. The EOSC EU Node has been [procured](#) by the European Commission and will be hosted and implemented by 3rd party sub-contractors. The EOSC EU Node is planned to be released for testing in autumn 2024, but already has a web presence.

With the advent of the EOSC EU Node the next step is to identify the first set of EOSC Nodes to implement the Federation of Nodes.



Call for Handbook Contributors: 23.05.

<https://eosc.eu/building-the-eosc-federation/>

SRIA 2.0 Consultation / Analytics

Consultation open 02 April – 05 May 2025



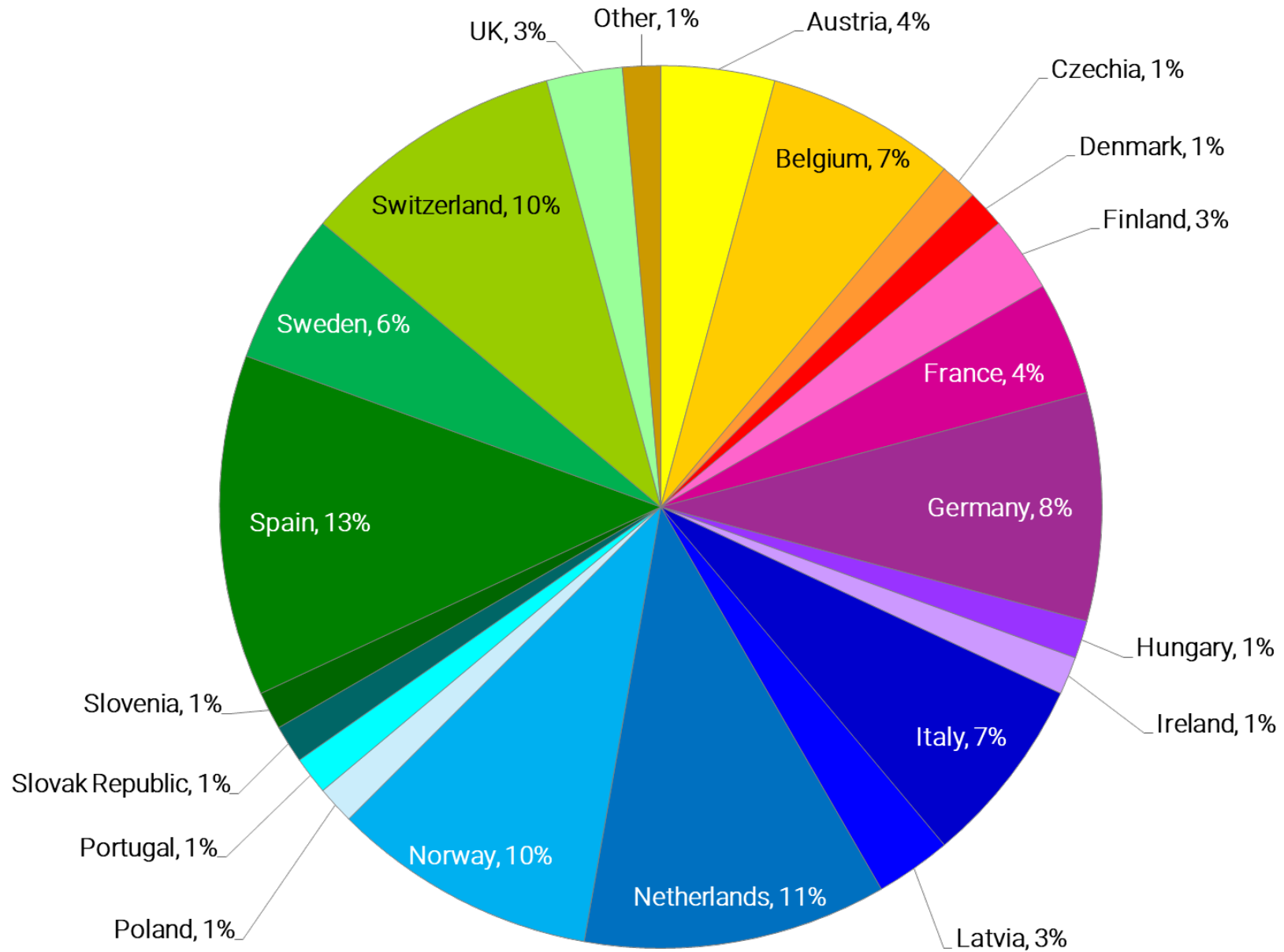
SRIA 2.0: Community consultation

Your opportunity to contribute
to the EOSC Partnership's Strategic
Research & Innovation Agenda

eosc.eu

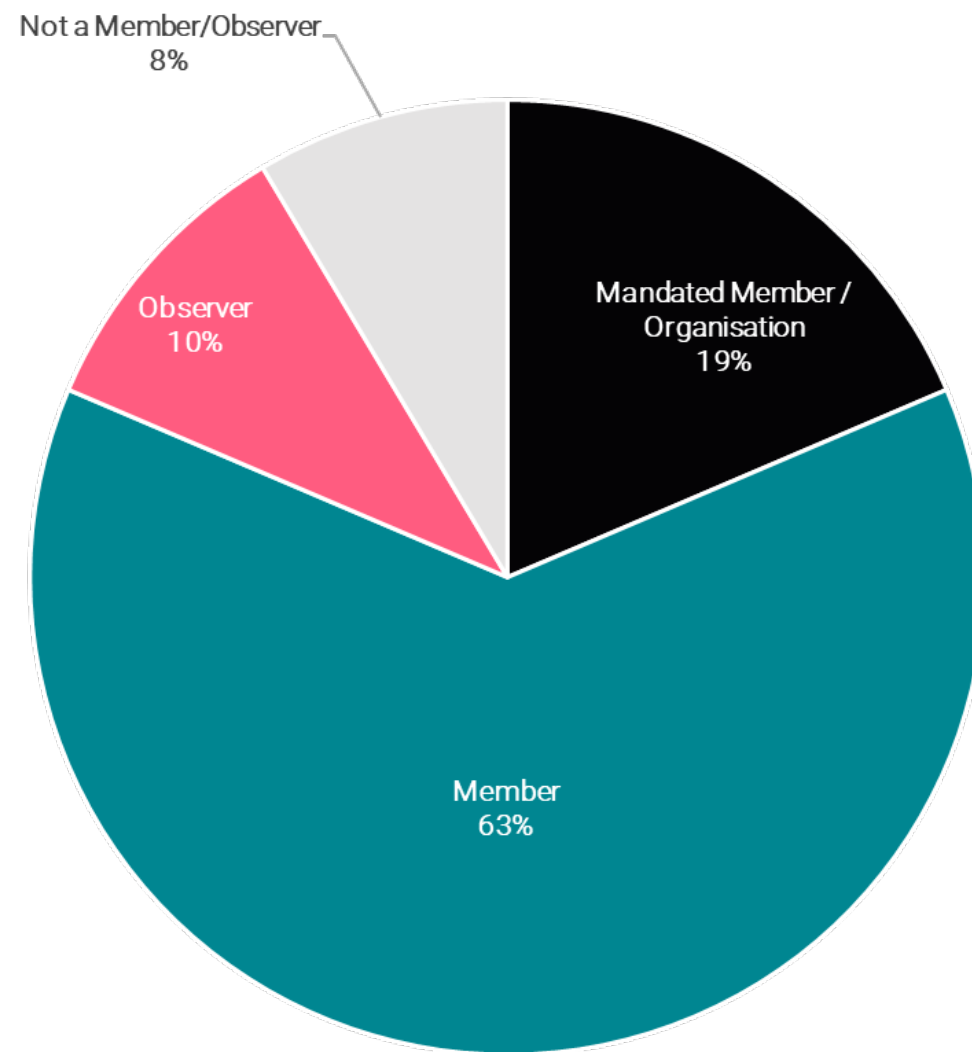


Online consultation open from 2 April until 5 May 2024



Relationship to EOSC-A

We are considering 70 responses, since we received 3 responses from the same Mandated Organisation, made by three different representatives.



eosc AAR 2023 & AAP 2025

Deadline: 30 June 2023



Office hours

From 25 April to 30 June 2024, EOSC-A will offer office hours via Zoom every Thursday between 10:00-11:00 CEST.

Open call for EOSC-A Task Force members

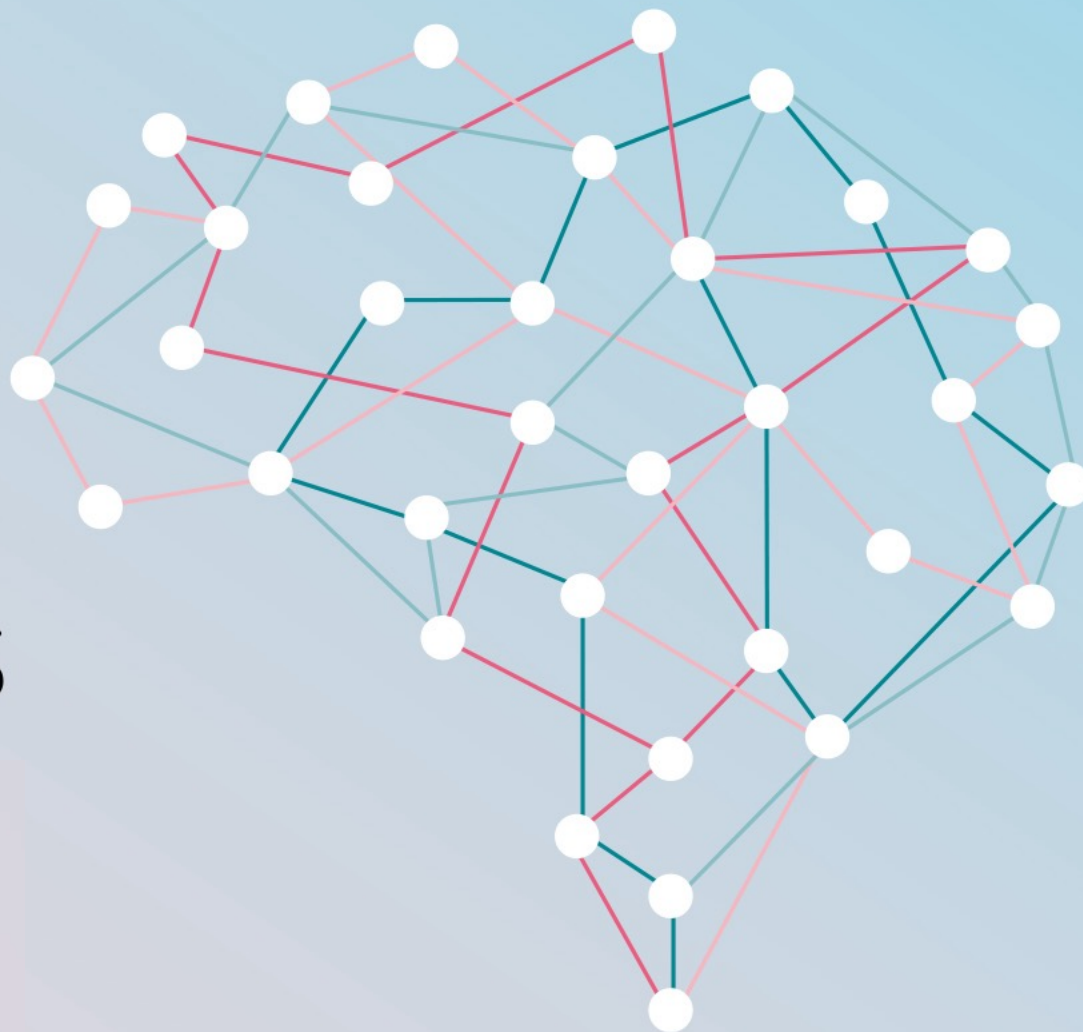
204+2

applications in total

75%

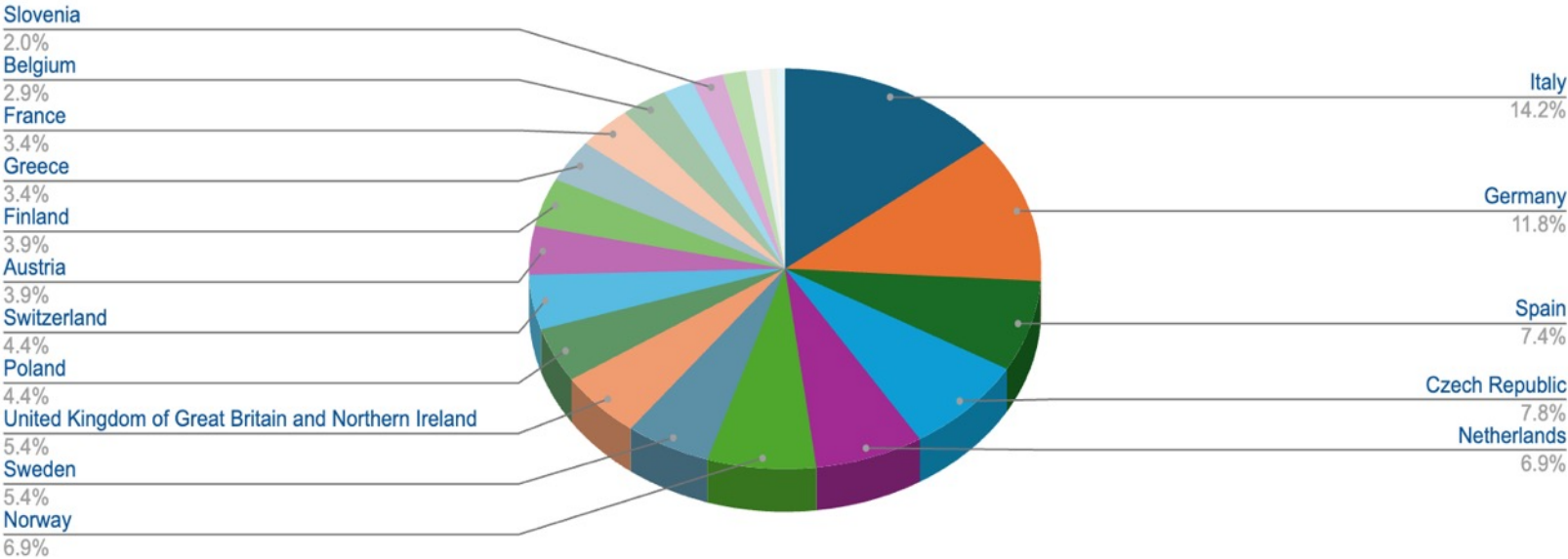
applicants affiliated with EOSC-A
Member or Observer organisation

eosc.eu

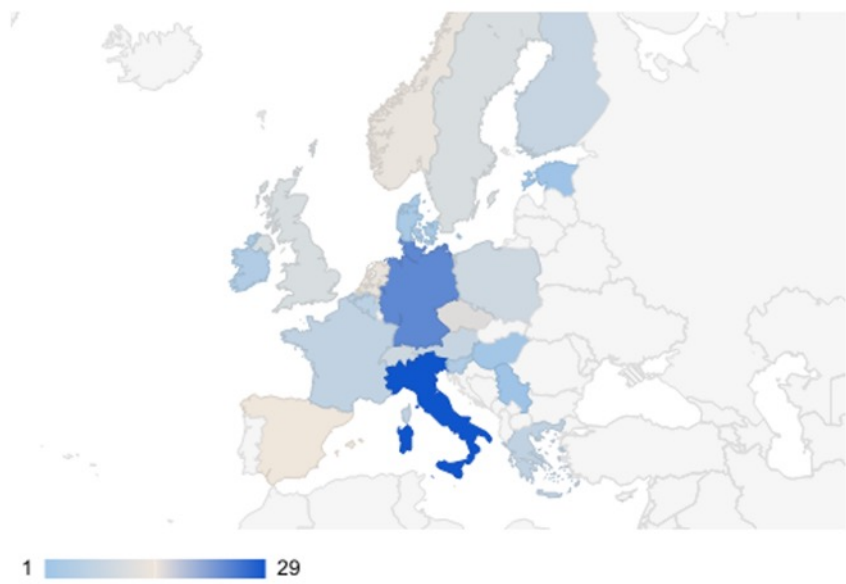


Apply by 21 April!

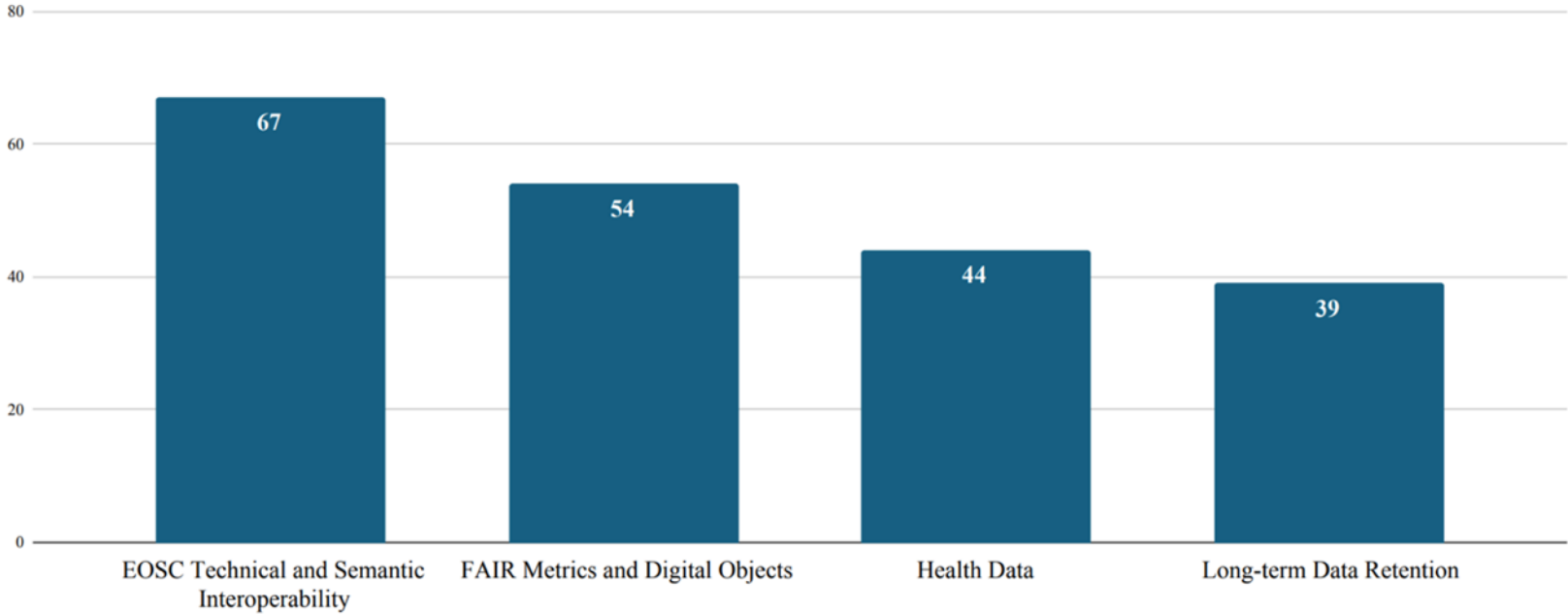
Applications by Country



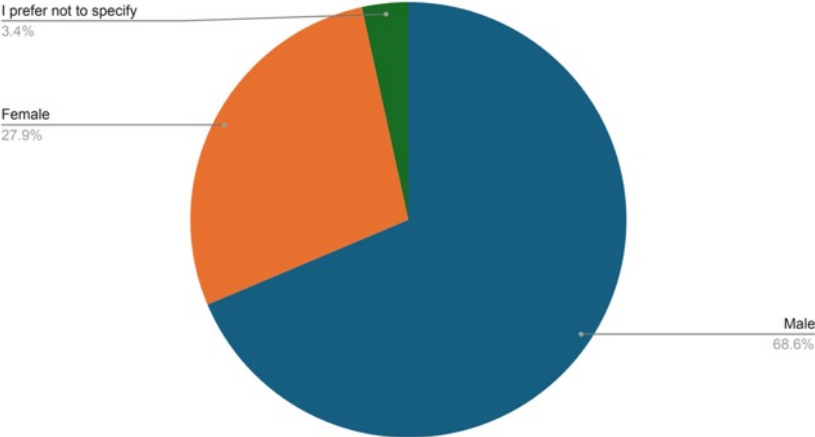
Open Call for EOSC-A Task Force members



Applications per Task Force



Gender



EOSC-A / General Assembly #8



27/28 May 2024 - Irish College of Leuven



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EOSC Symposium 2024

Registration open &
Call for Posters

More info:
<https://eosc.eu/symposium2024/>

21-23 October / Berlin, Germany

eosc.eu | #eoscsymposium2024



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April 2024

The essence of the fifth freedom lies in its ability to unlock the potential of data by ensuring **accessibility and shareability across borders and sectors** within the EU.

The **fifth freedom champions open science**, ensuring the accessibility of research and seamless collaboration across disciplines, sectors, and borders. This open exchange of knowledge breaks down traditional silos, accelerating discovery and empowering researchers to build upon each other's work with unprecedented efficiency. Furthermore, it **advocates for safeguarding the autonomy of researchers**, protecting their right to pursue curiosity-driven inquiries free from undue political or commercial pressures. In this environment of independent inquiry, researchers can explore fundamental questions and pursue innovative hypotheses driven by scientific excellence.

Thank you

