

# The Work of EOSC Association and the Possible contribution from Nordic Countries

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**The EOSC-Nordic Second General Assembly**



**EUROPEAN OPEN  
SCIENCE CLOUD**

Slides by EOSC Association



# Where do we come from?

- ★ The shared vision between the EC, MS&AC and a large community
- ★ The decision of the governing bodies to institute a Co-programmed Partnership as the best instrument to collectively achieve this vision



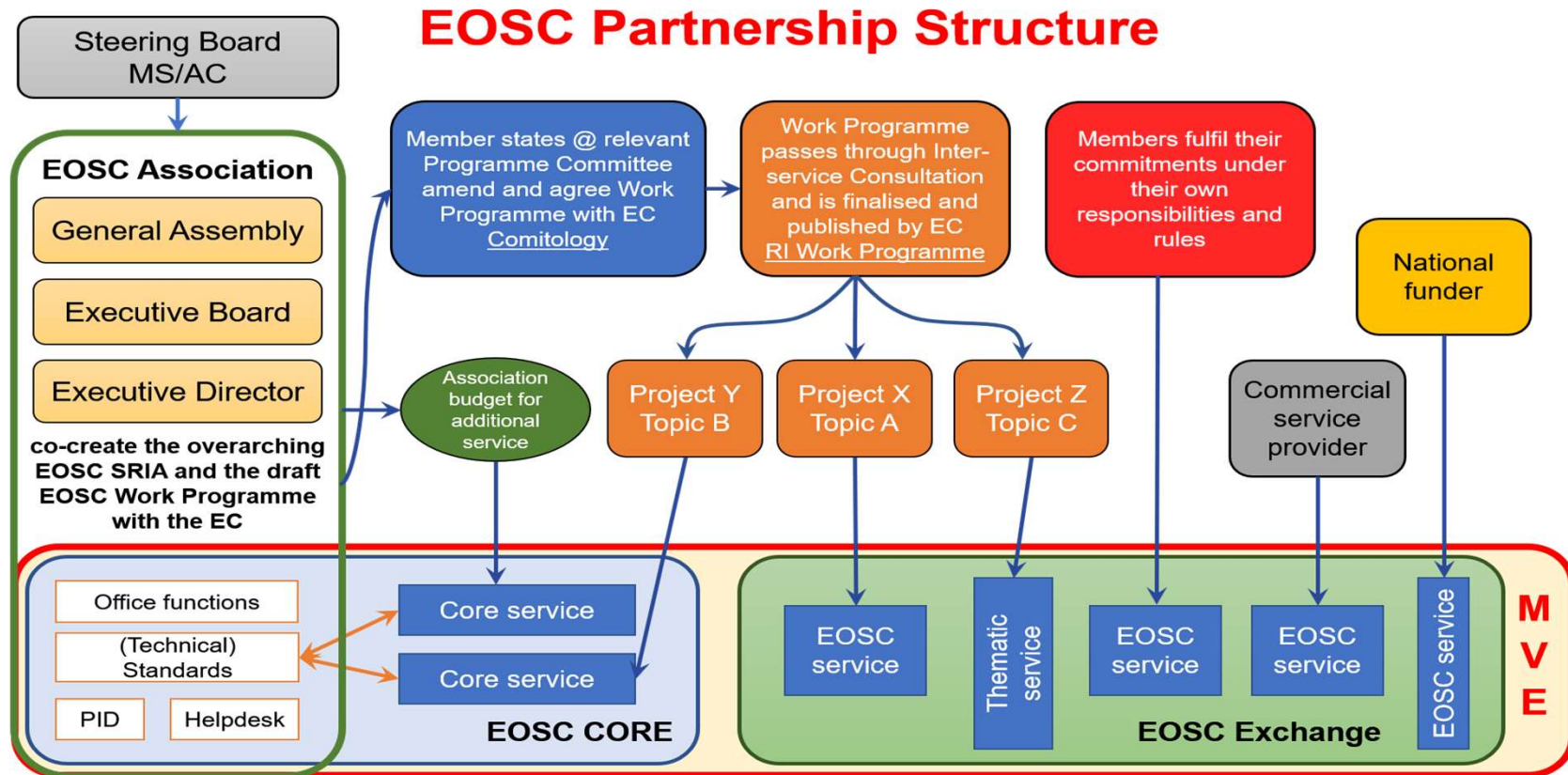
# EOSC Governance Model 2021-2027

The new governance model agreed with EU countries for the next EOSC implementation phase after 2020 will be tripartite including:

- ★ The EU represented by the **Commission**
- ★ The European research community represented by the **EOSC Association**
- ★ EU countries and countries associated with Horizon Europe represented through a **Steering Board** to be set up in 2021 outside of the EOSC Association



# EOSC Partnership Structure



# The EOSC Association

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**Mission:** *Advancing Open Science to accelerate the creation of new knowledge, inspire education, spur innovation and promote accessibility and transparency*

- ★ To provide a single voice for advocacy and representation for the broader EOSC stakeholder community.
- ★ To promote the alignment of European Union research policy and priorities with activities coordinated by the Association.
- ★ To enable seamless access to data through interoperable services that address the entire research data life cycle, from discovery to storage, management, analysis and re-use across borders and scientific disciplines

**Status: AISBL\***

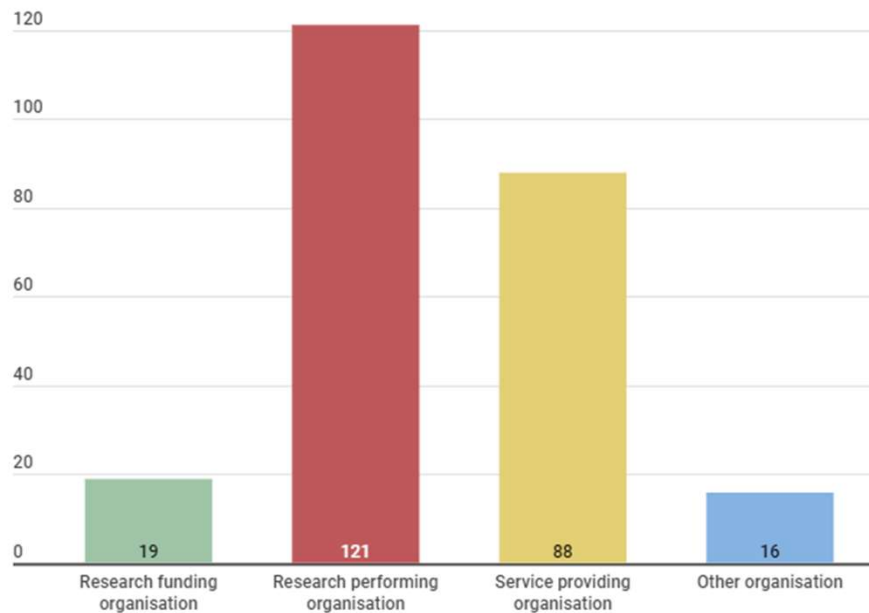
- ★ Formed in July 2020 by founding members CESAER, GÉANT, CSIC and GARR
- ★ Members are relevant stakeholders in the EOSC ecosystem
- ★ Research funders, service providers, representatives of the research community, and intergovernmental organisations

\*international non-profit association under Belgian law

# EOSC membership by type and status

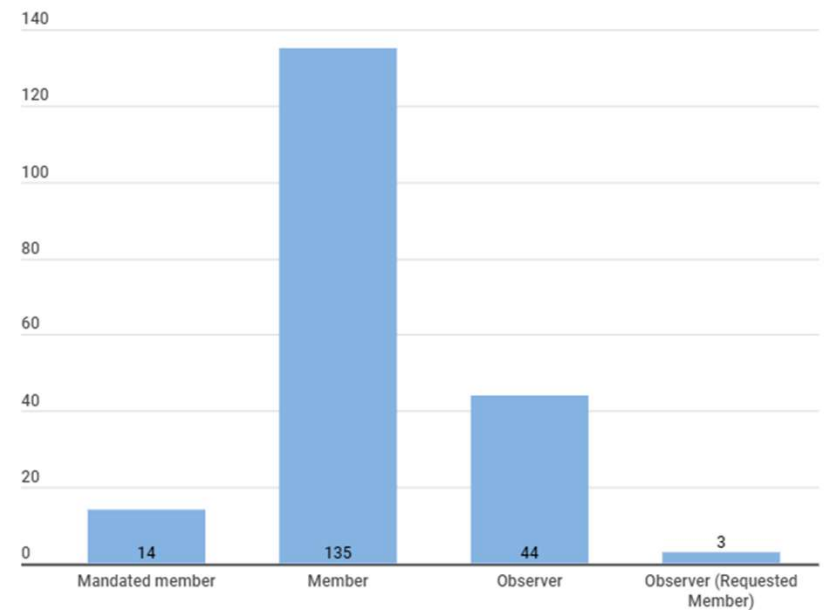
## Type

(Organisations can fall under multiple categories)



Predominance of research performing organisations & service providers

## Status

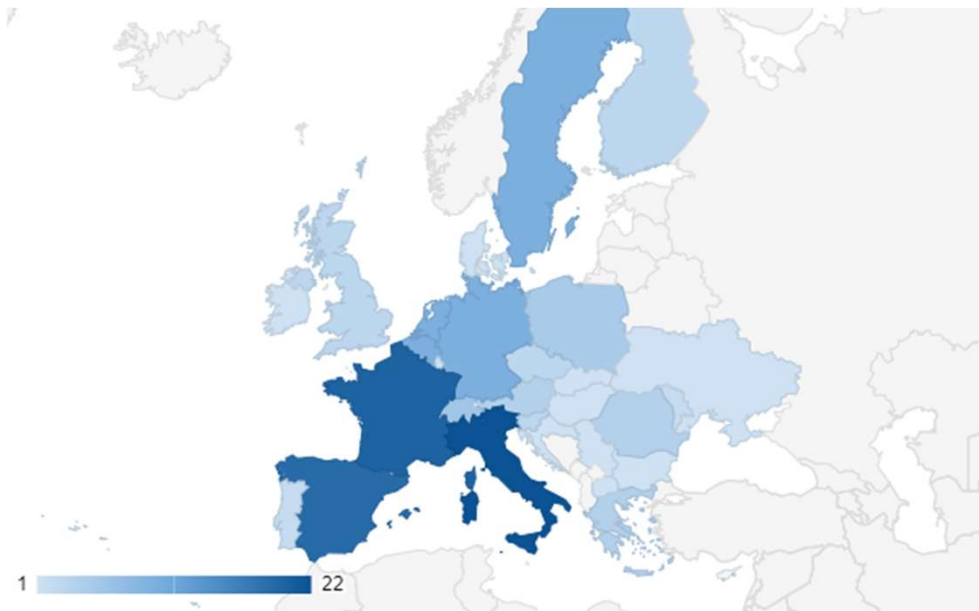


196 organisations registered

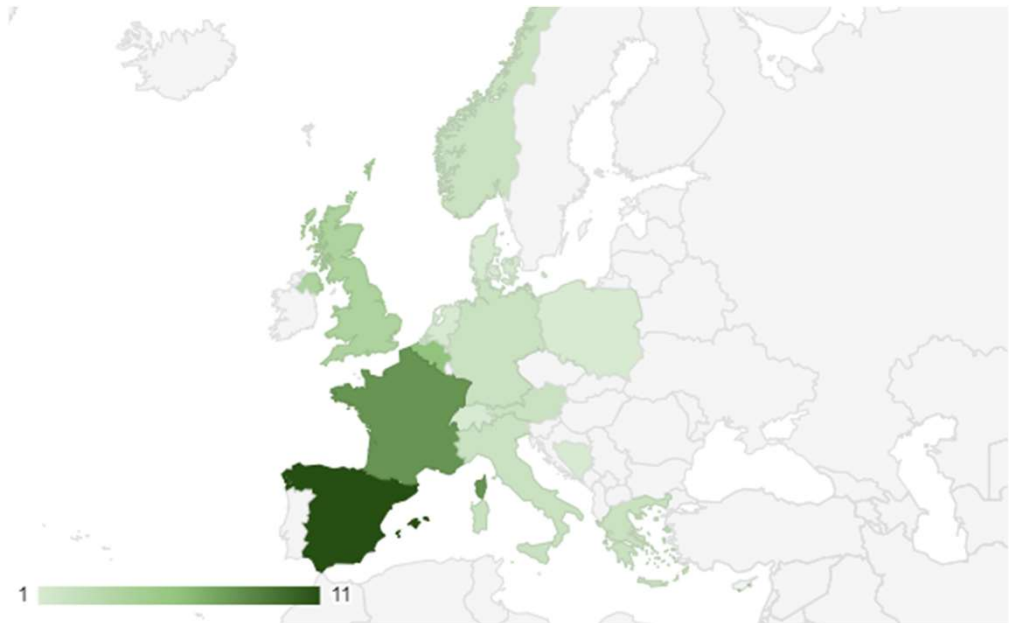
(As of December 2020)

# EOSC membership by geographical spread

135 Members



44 Observers



Major EU investors in EOSC ecosystem feature predominantly

(As of December 2020)

# Nordic Members

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- ★ Denmark: Nordunet, DTU
- ★ Norway: Uninett, Cessda
- ★ Finland: CSC, EUDAT, European Mathematical Society
- ★ Sweden: Chalmers, Karolinska, Gothenburg University, Uppsala University, Stockholm University, Umeå University, Formas, Swedish Research Council



# Board of Directors

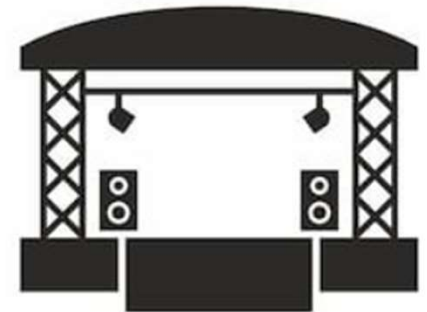
- ★ Karel Luyben, CESAER & President
- ★ Klaus Tochtermann, ZBW & Director 3-year mandate
- ★ Marialuisa Lavitrano, University Milano – Bicocca & Director 3-year mandate
- ★ Suzanne Dumouchel, CNRS & Director 3-year mandate
- ★ Sarah Jones, GÉANT & Director 2-year mandate
- ★ Ignacio Blanquer, UPV & Director 2-year mandate
- ★ Ronan Byrne, HEAnet & Director 1-year mandate
- ★ Bob Jones, CERN & Director 1-year mandate
- ★ Wilhelm Widmark, University of Stockholm & Director 1-year mandate



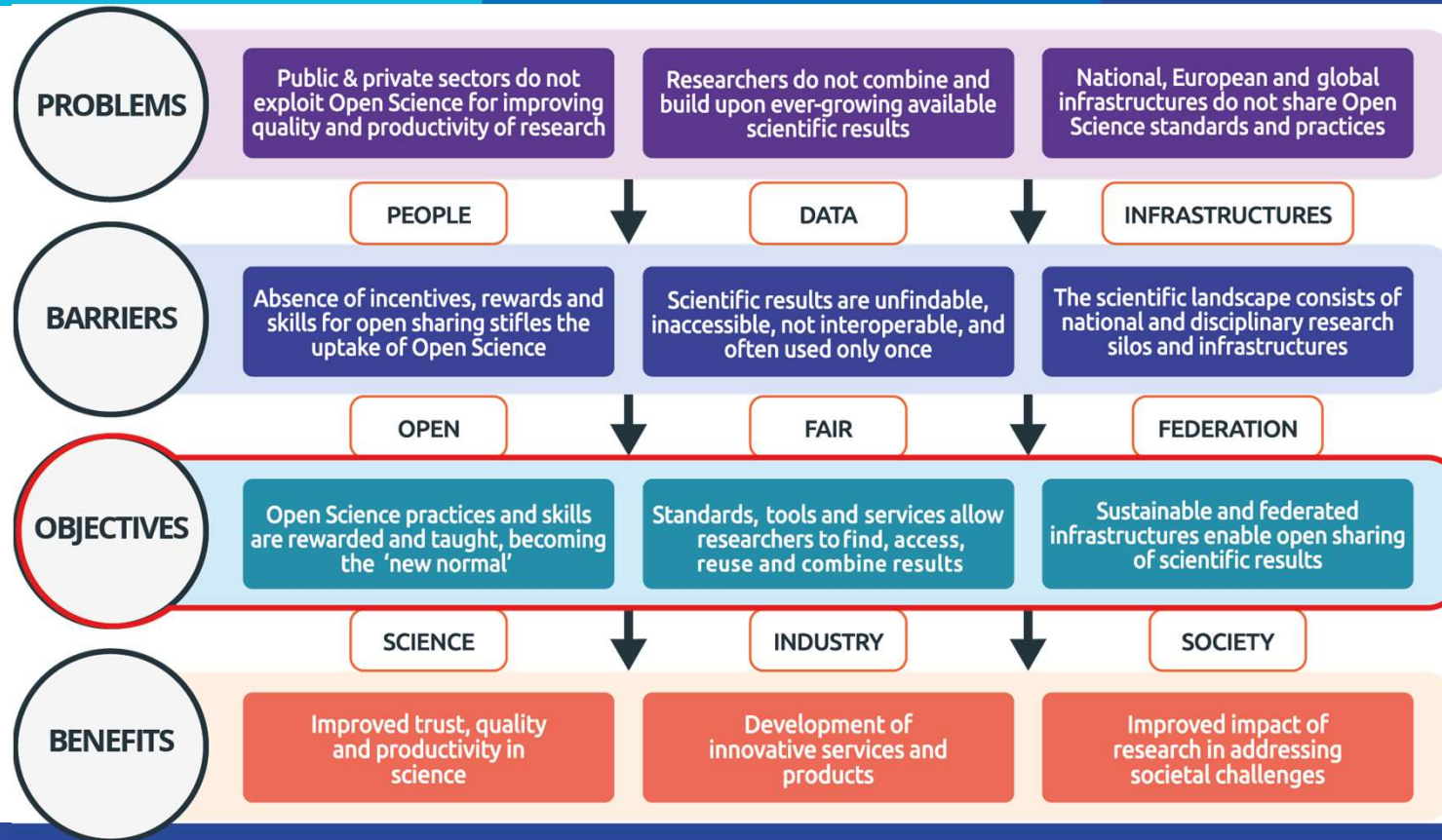
# “A web of scientific insight”

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- ★ Web of FAIR data and related services
- ★ Federation of relevant existing and future services
- ★ Virtual space where science producers and consumers come together
- ★ An open-ended range of content and services
- ★ Quality mark « Data made in Europe »

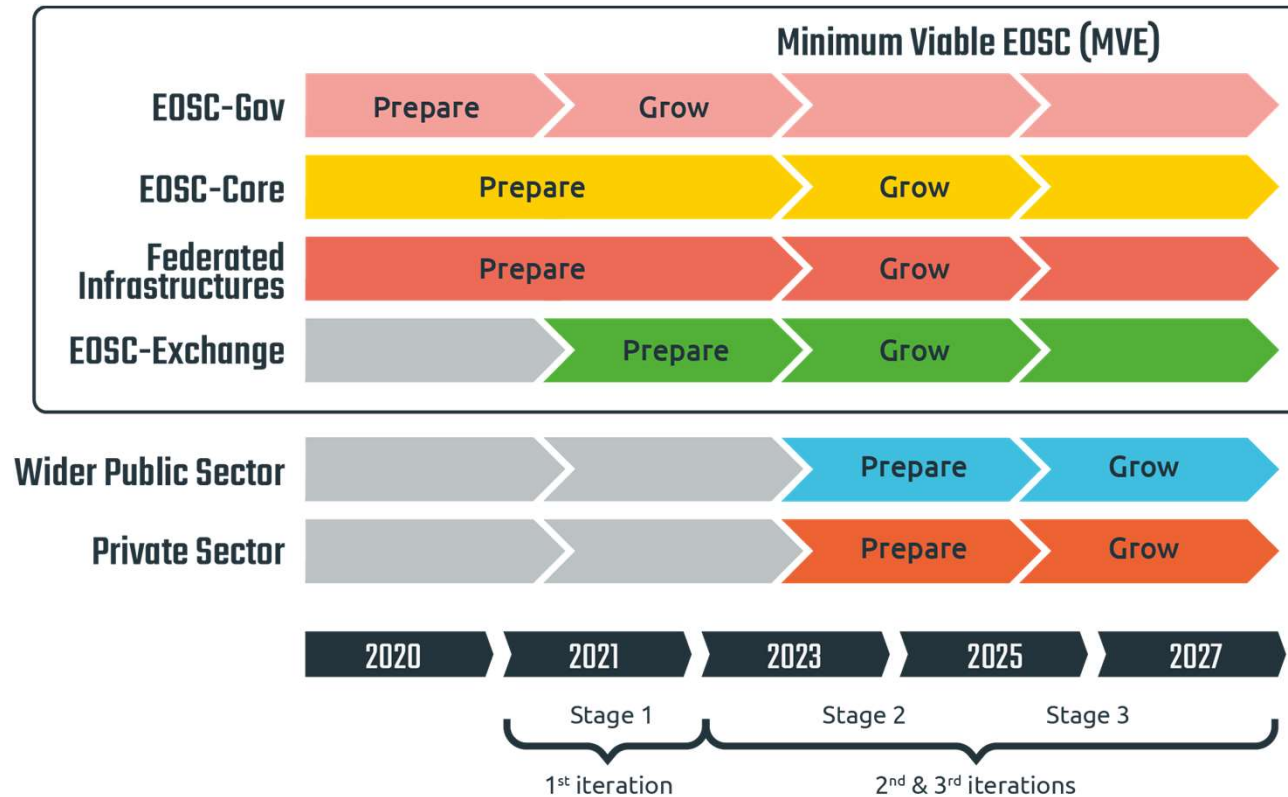


## European Open Science Cloud Objectives Tree



(EOSC Strategic Research Implementation Agenda v0.9)

# Timeline of EOSC iterations towards a MVE



(EOSC Strategic Research Implementation Agenda v0.9)

# Core functions for ESOC Association 2020+

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- ★ Develop and govern the federating core
- ★ Manage the compliance framework
- ★ Manage trusted certification
- ★ Manage the AAI
- ★ Manage PID policies
- ★ Outreach to stakeholders
- ★ Monitor services and transactions
- ★ Manage 'EOSC' trademark
- ★ Contribute to Horizon EU policy

# Priorities for EOSC implementation Stage 1 2021-2022

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

# How to join the EOSC Association

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- ★ <https://eosc.eu/form/join-eosc-association>
  - ✓ Organisational details (member type, category, name, country, URL, profile)
  - ✓ A unique contact for follow up by the EOSC Association (name, email, phone)
  - ✓ Documents clarifying your organisation's legal status
  - ✓ A formal letter of your legal representative, indicating your organisation's interest in EOSC, acknowledging that you fully subscribe to our Statutes and will embrace and endorse the vision of the Association, adhere to its values and respect its decisions.
  - ✓ Formal letter for mandated organisations (if applicable)

# What are the EOSC Association Task Forces?

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- A structure to allow Association members and others to help steer the implementation of EOSC
- Groups should liaise with EOSC projects and offer feedback
- Identify strategic gaps and areas for investment to input to SRIA
- Advisory Groups are an “umbrella” for a set of TFs that are highly related and have the same EOSC-A Liaison person



# Board directors as liaisons at AG level

- Implementation of EOSC – Suzanne Dumouchel
- Technical challenges on EOSC – Ignacio Blanquer
- Metadata and data quality – Sarah Jones
- Research careers & curricula – Wilhelm Widmark
- Sustaining EOSC – Bob Jones



# Advisory Group & Task Force topics

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## 1. Implementation of EOSC

- 1.1. PID policy and implementation
- 1.2. Researcher engagement and adoption
- 1.3. Rules of Participation (RoP) compliance monitoring

## 2. Metadata and data quality

- 2.1. FAIR metrics and data quality
- 2.2. Semantic interoperability

## 3. Research careers and curricula

- 3.1. Data stewardship curricula and career paths
- 3.2. Research careers, recognition and credit
- 3.3. Upskilling countries to engage in EOSC

## 4. Sustaining EOSC

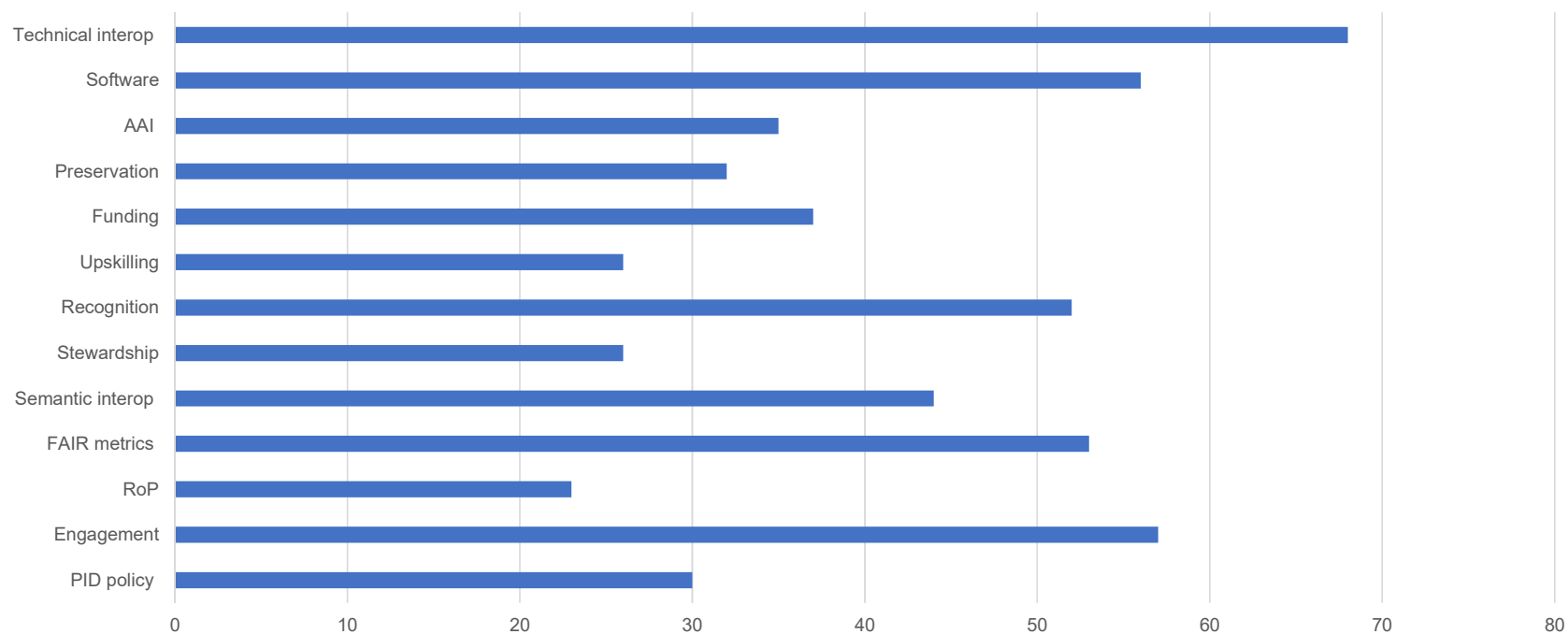
- 4.1. Defining funding models for EOSC
- 4.2. Long-term data preservation

## 5. Technical challenges on EOSC

- 5.1. AAI Architecture
- 5.2. Infrastructure for quality research software
- 5.3. Technical interoperability of data and services

# Applications – 545 received from 41 countries

Membership applications received per TF



# Membership per Task Force (current status)

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- 1.1 PID policy – 23 members
- 1.2 Engagement – 38 members
- 1.3 RoP – 23 members
- 2.1 FAIR metrics – 25 members
- 2.2 Semantic interop – 44 members
- 3.1 Stewardship – 25 members
- 3.2 Recognition – 27 members
- 3.3 Upskilling – 26 members
- 4.1 Funding – 30 members
- 4.2 Preservation – 37 members
- 5.1 AAI – 35 members
- 5.2 Software – 41 members
- 5.3 Technical interop – 67 members

**Group size ranges from 23 – 67 members**

**6 Task Forces chose to accept all applications**

**Where selections were made, this prioritised relevant skills and then sought to bring balance in gender, geography, organisation etc**

# Members in TFs from Nordic Countries

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- ★ Denmark: 7
- ★ Finland: 14
- ★ Norway: 4
- ★ Sweden: 19
- ★ Members associated with EOSC-Nordic: 7

# Conclusions

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- ★ We are to few members in the association from Nordic countrys to really influence in the building of EOSC
- ★ We have some influence by the Nordic members in the taskforces
- ★ The Nordic countrys should work together to get a stronger voice
- ★ EOSC-Nordic is a good network to start from
- ★ EOSC- Nordic should contact EOSC Association to discuss what findings from the project that could be useful for the future work with EOSC

# Any questions?



Thanks!