



**EUROPEAN OPEN
SCIENCE CLOUD**

e-IRG Workshop under French EU Presidency

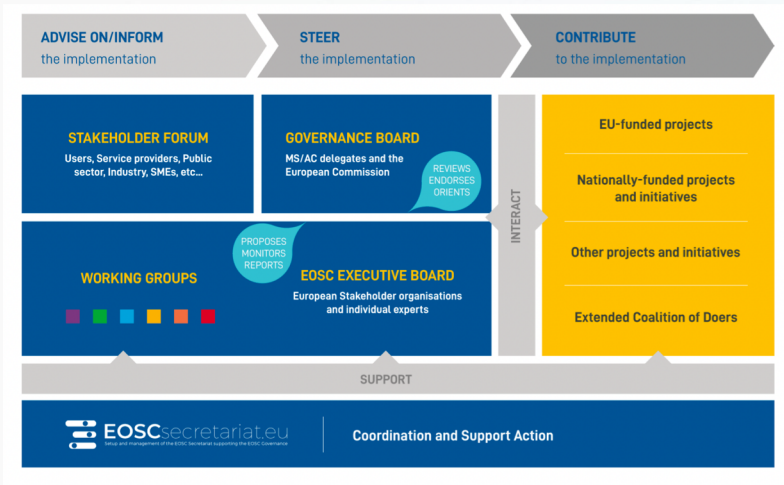
Cross-e-Infrastructure Collaboration and Coordination

Ute Gunsenheimer

Secretary General, EOSC Association AISBL

31 May 2022

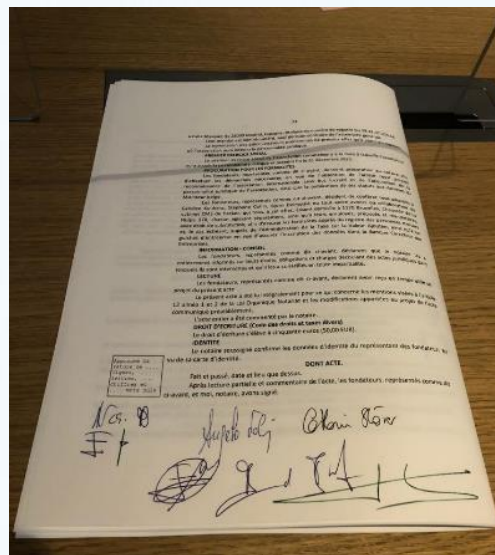
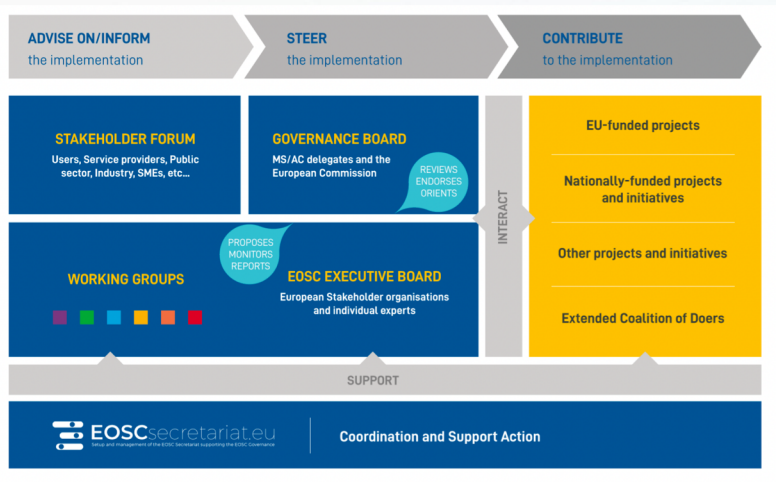
Evolving EOSC Governance



**Initial
EOSC Governance**

2019/20

Evolving EOSC Governance



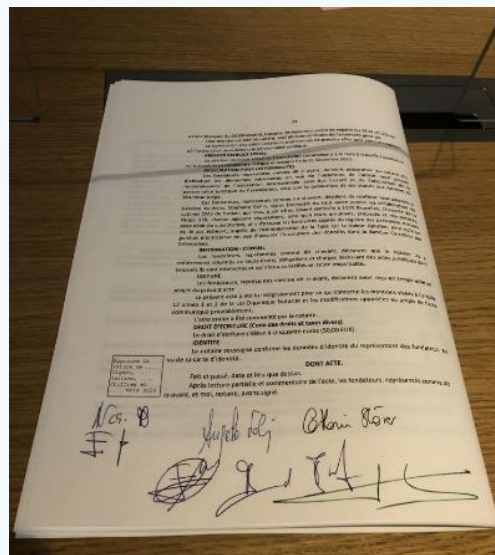
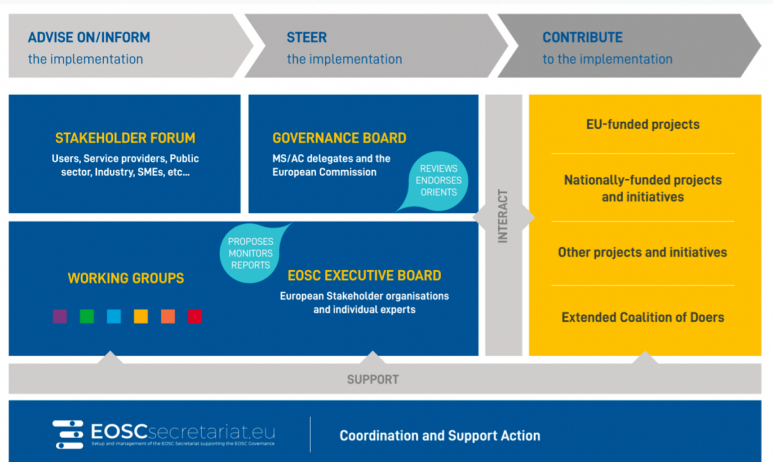
**Initial
EOSC Governance**

2019/20

**EOSC
Association AISBL**

29.07.2020

Evolving EOSC Governance



**Initial
EOSC Governance**

2019/20

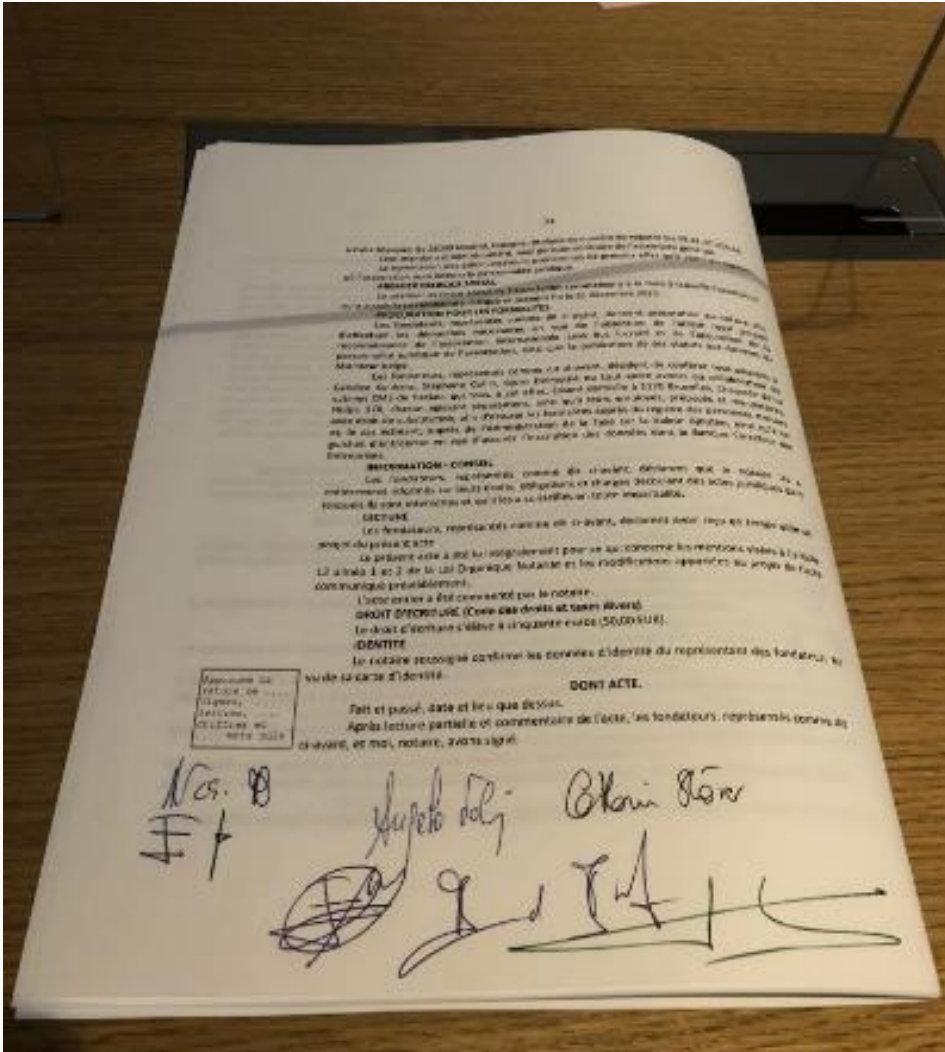
**EOSC
Association AISBL**

29.07.2020

**Co-programmed
EOSC Partnership**

23.06.2021

ESOC-A / Purpose

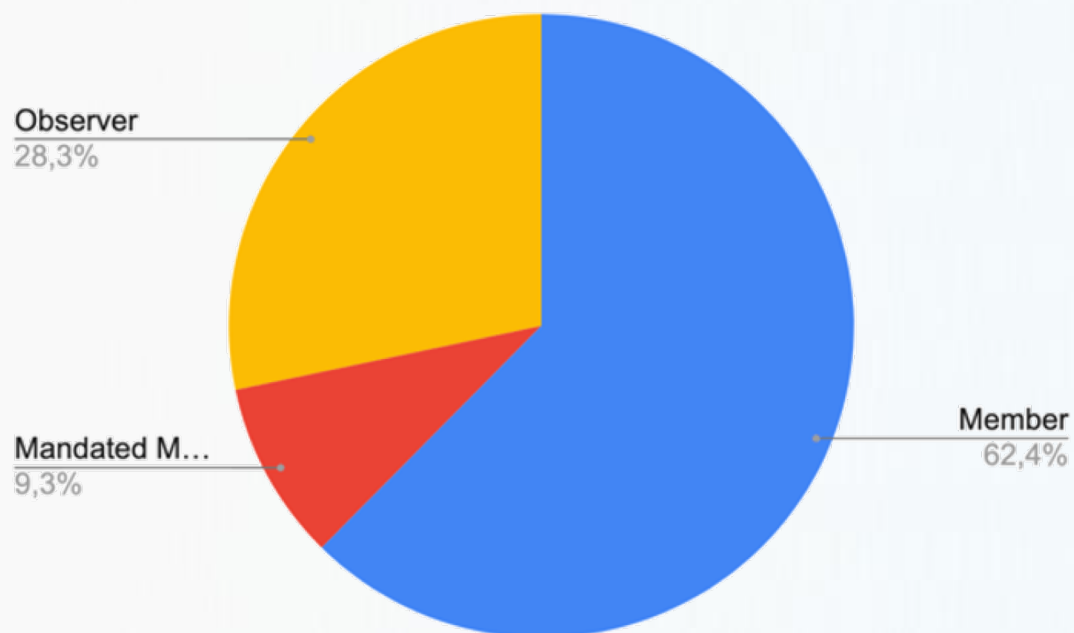


- (1) to provide a single voice for the advocacy and representation of the boarder EOSC stakeholder community,
- (2) to promote the alignment of European Union research policy and priorities with activities coordinated by the Association;
- (3) to enable seamless access to data through interoperable services that address the entire research data life cycle.

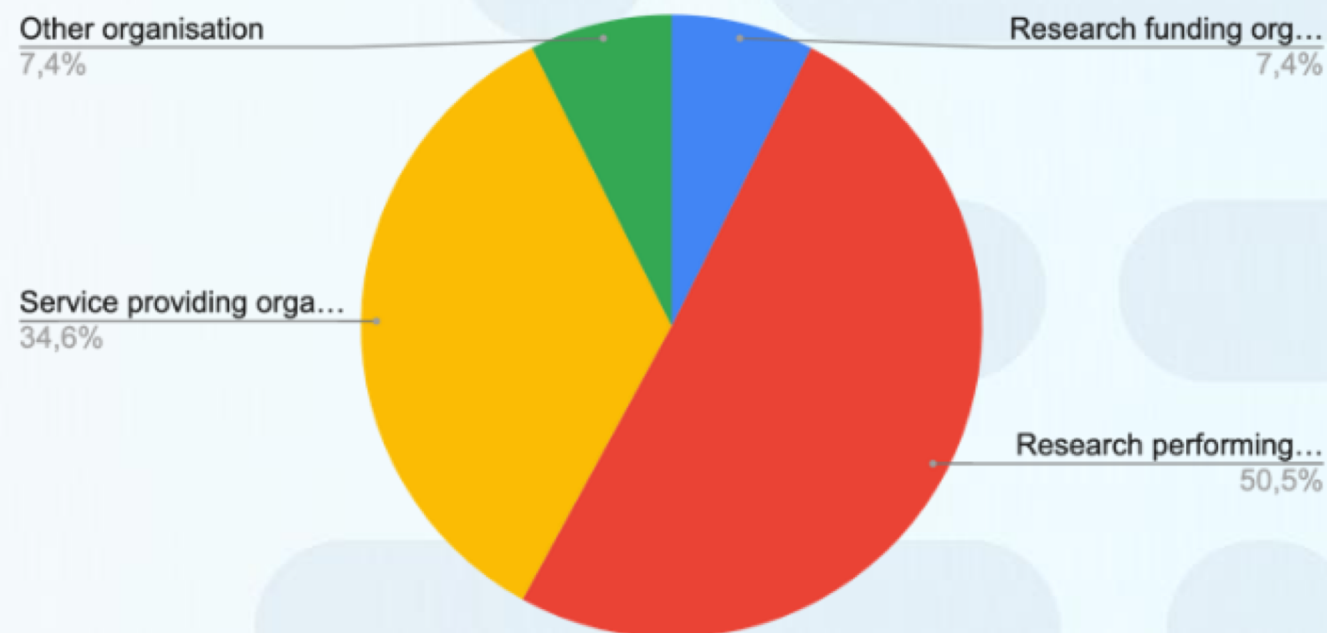
EOSC Association Member Base

234 organisations, consisting of 161 Members and 73 Observers

24.05.2022: 241 organisations, 163 Members, 78 Observers



**Organisations
by category**



**Members & Observers
by institution type**

EOSC-A Brain-Pool: 13 Task Forces

Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software
- AAI Architecture

Metadata and data quality

- Semantic interoperability
- FAIR metrics and data quality

Research careers and curricula

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

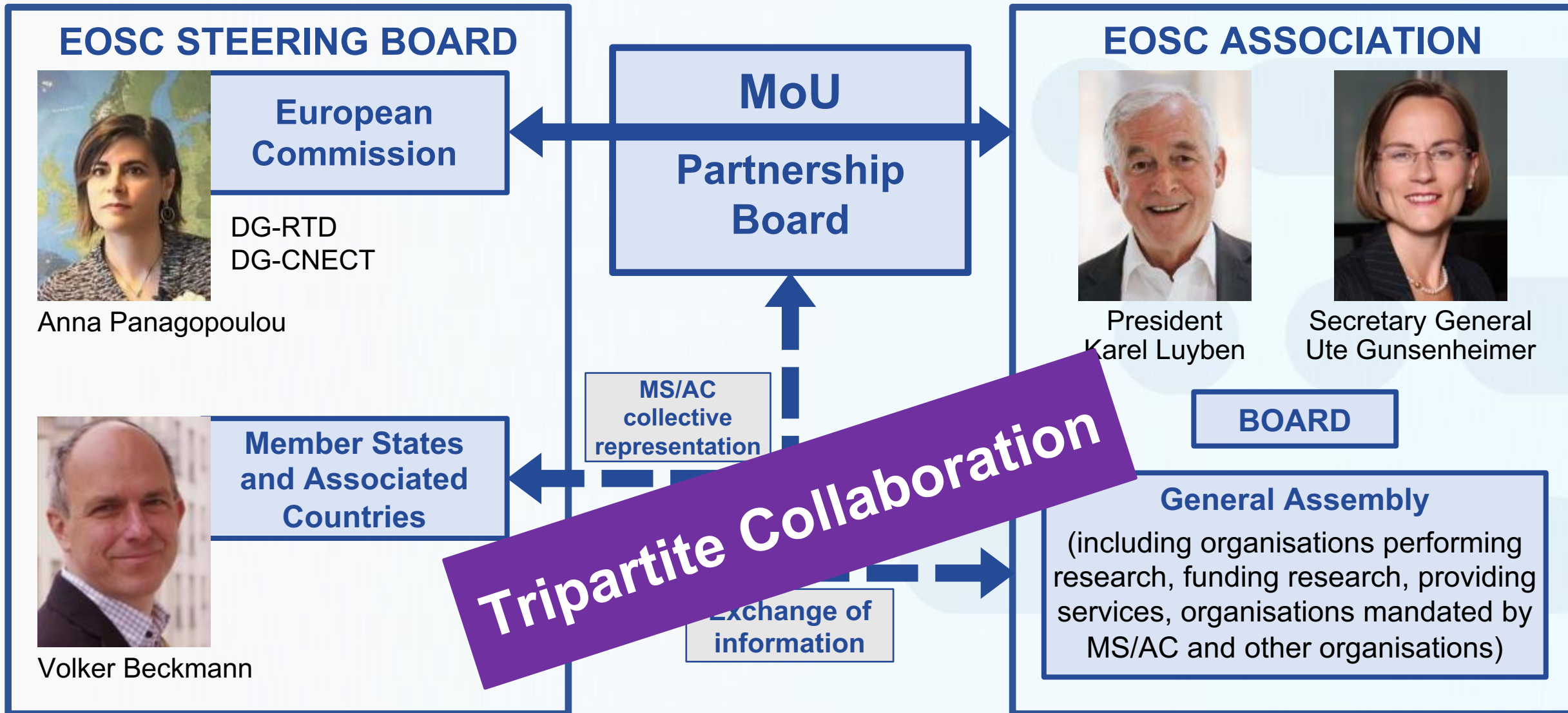
Sustaining EOSC

- Financial sustainability
- Long-term data preservation





EOSC Partnership



Content of the MoU (2021 – 2030)

- The MoU is established between the Partners
 - The EU represented by the Commission
 - The EOSC Association (“Partners other than the Union”), including its constituent entities (members)
- The MoU is a contractual arrangement, not legally binding
- Scope & objectives
 - To contribute to the objectives defined in the SRIA incl. the KPIs to measure progress
 - Expected financial and in-kind commitments by the partners (490 MEUR + 500 MEUR)
- Governance: Partnership Board
 - Composition: Representatives appointed by the Partners other than the Union, Commission officials and Representatives of the Steering Board
- Commitments of the EC
 - To duly take into account the input and advice from EOSC-A when defining call topics relative to the scope and objectives of the SRIA
- Commitments of EOSC-A
 - In-kind contributions
 - Monitoring and Reporting

SRIA and MAR



Open Science practices and skills are rewarded and taught, becoming the 'new normal'

Standards, tools and services allow researchers to find, access, reuse and combine results

Sustainable and federated infrastructures enable open sharing of scientific results

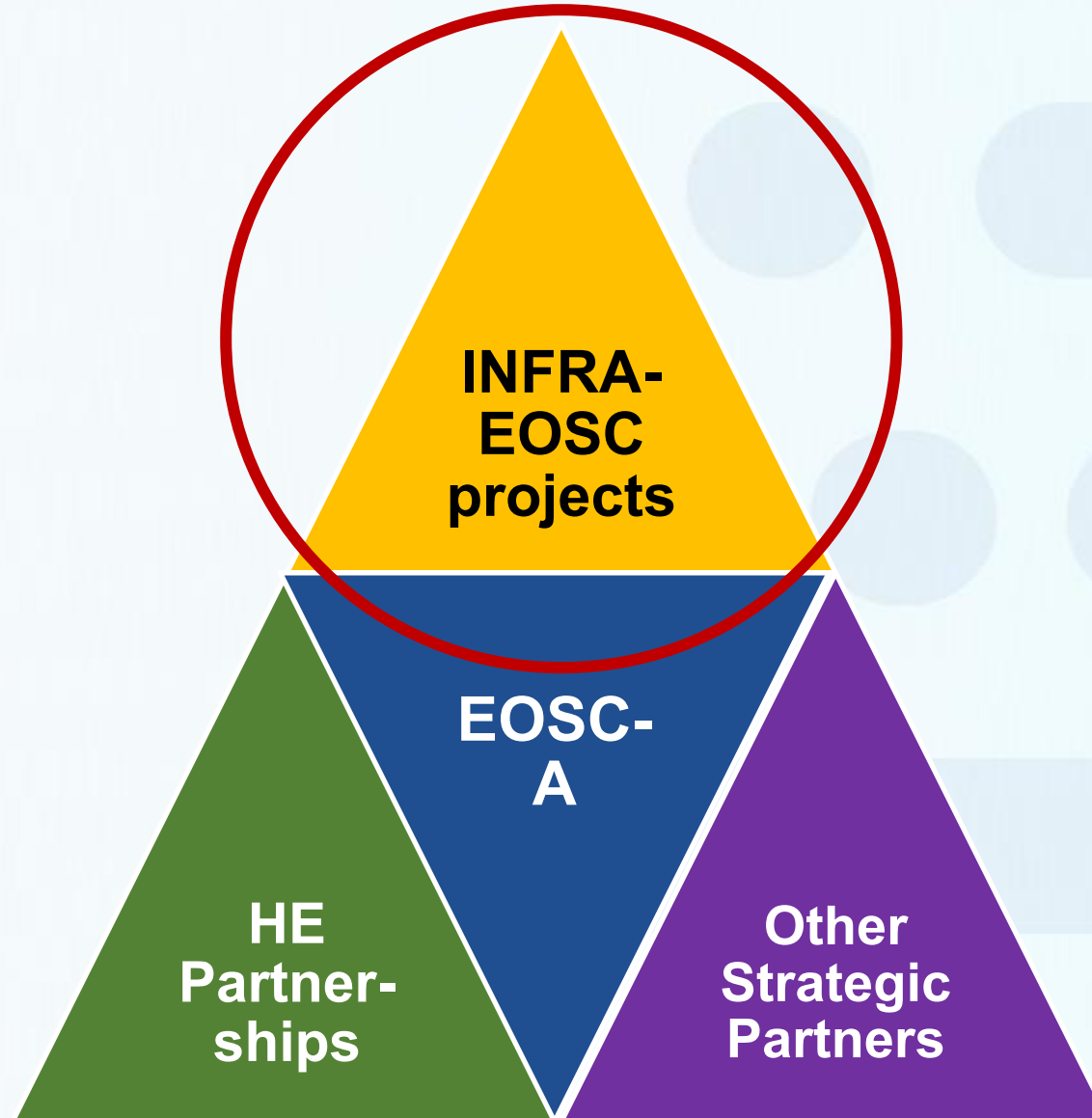
Multi-annual roadmap sets priority activities and outcomes grouped by three implementation levels – European, National, Institutional

Three phases of MAR

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

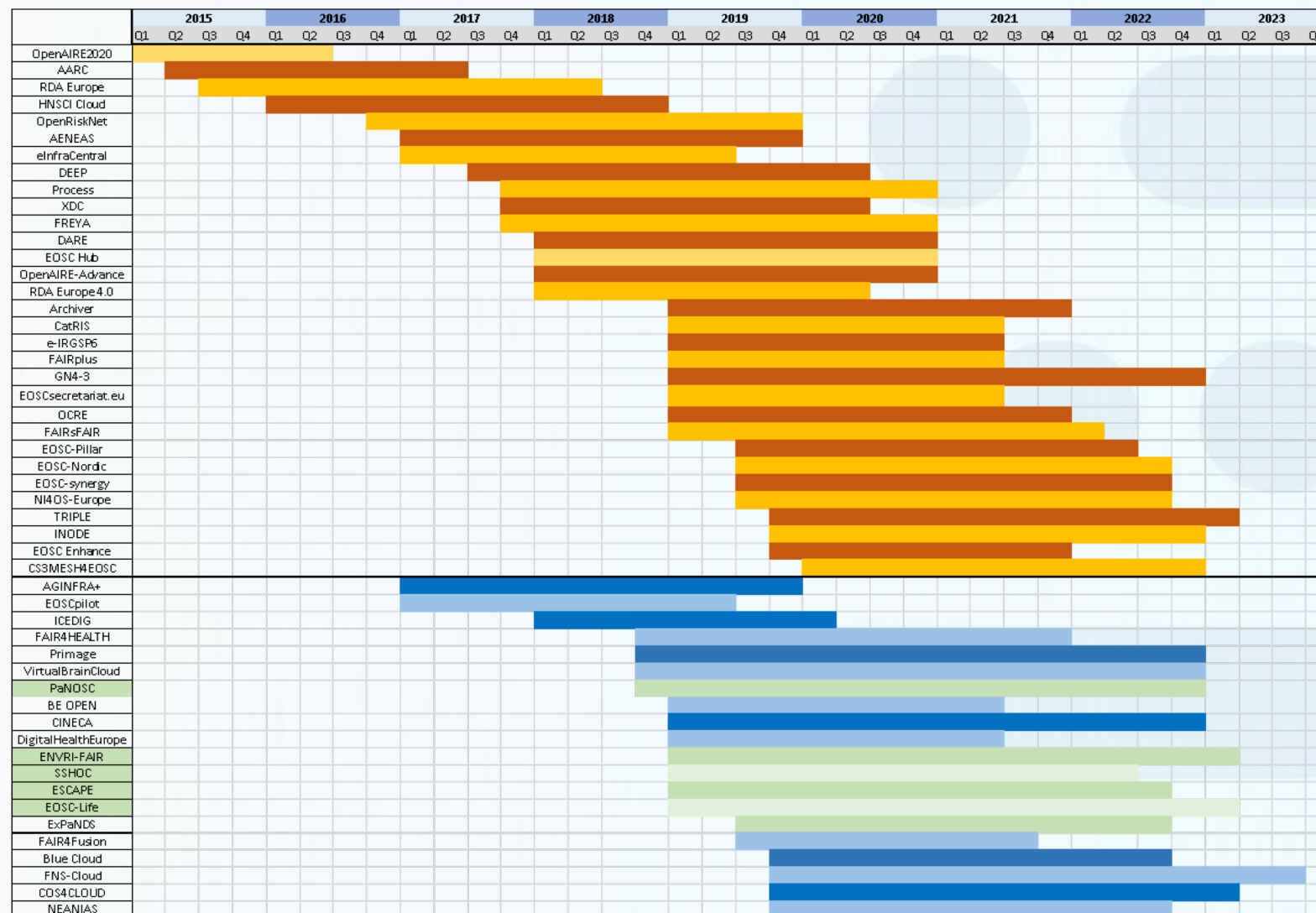
The Ecosystem

**Widening
the
Ecosystem**





EU-funded EOSC projects 2014 - 2020





H2020 Projects

ARCHIVER

C-SCALE

Cos4Cloud Co-designed citizen observatories for the EOS-Cloud

CS3MESH4EOSC

DICE: Data Infrastructure Capacity for EOSC

EOSC Future

EOSC Life

EOSC-Nordic

EOSC-Pillar

ERIC Forum Implementation Project

ESCAPE

FAIRsFAIR (and upcoming FAIR IMPACT)

INODE

NI4OS-Europe

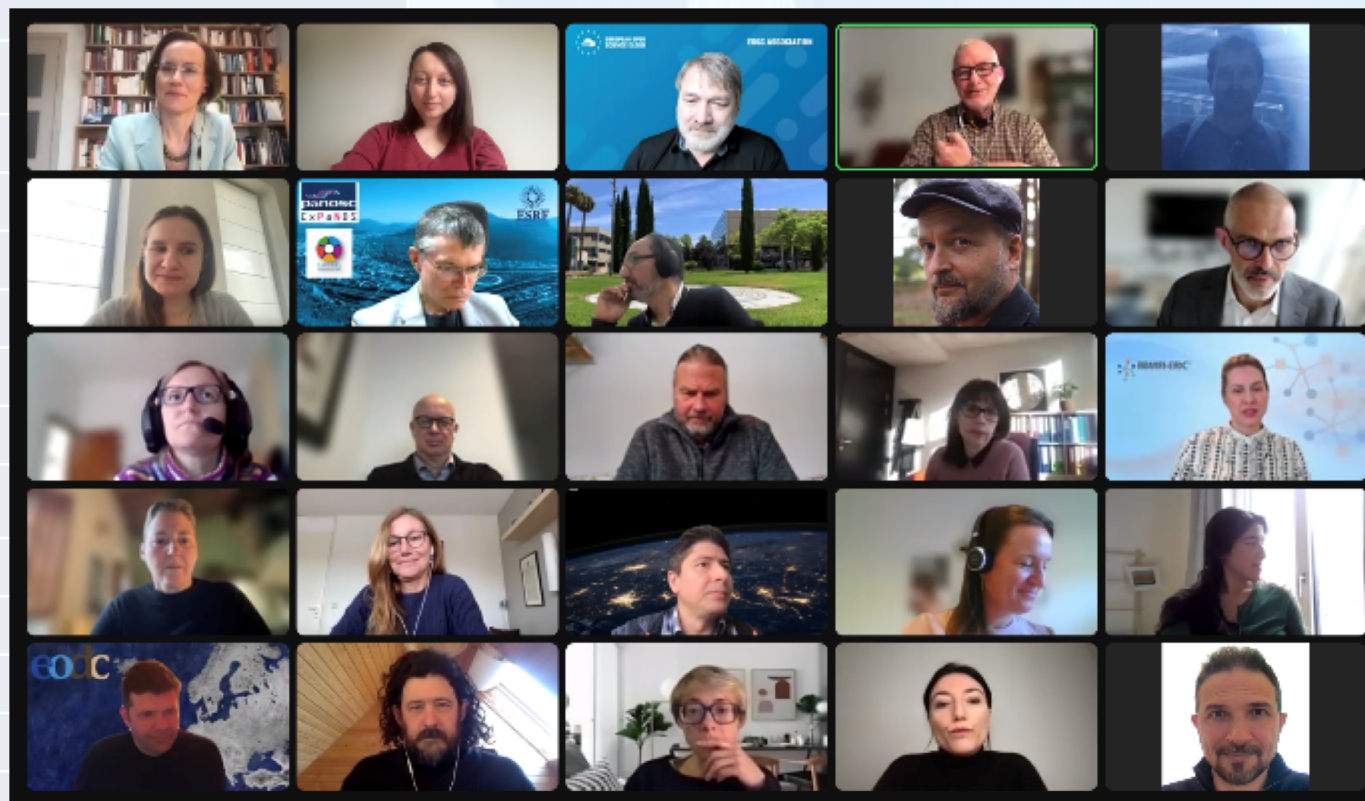
OpenAIRE-Nexus

PaNOSC

RELIANCE

SSH OPEN CLOUD (SSHOC)

TRIPLE



08 April 2022

EOSC Partnership

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

EOSC Partnership Board

EU

MS/AC

EOSC

EOSC-A

FOCUS

Monitoring

Rules of Participation

SRIA

HE Projects

Stakeholder Engagement

Resourcing Models

TASK FORCES

Partnerships and parallel initiatives

- Other European Partnerships e.g. EURAMET, Water4All
- Parallel data initiatives e.g. GAIA-X, EuroHPC, data spaces
- Other international 'commons' e.g. ARDC, NII Cloud, Alliance in Canada...
- For each we open dialogue and identify areas of common interest to pursue collectively or align to benefit each others' work

Way Forward

Next Steps

- **Understand results and impacts of H2020 projects**
- **Align with newly awarded HE projects from the beginning**
- **Support and facilitate collaboration with EOSC-A Task Forces**
- **Close the loop on national level with the help of Mandated Organisations**