

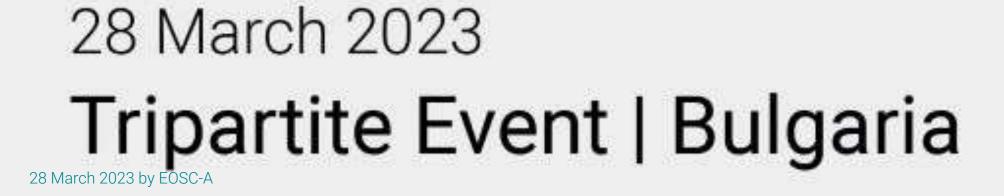
EOSC National Event Bulgaria State of Play of EOSC

Wilhelm Widmark, Director EOSC Association



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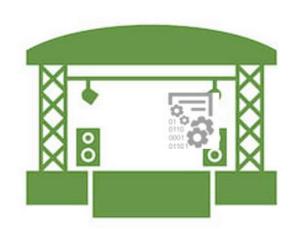
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"A web of scientific insight"

- Web of FAIR Data and related Services
- Federation of relevant existing and future data sources
- Virtual space where science producers and consumers come together
- An open-ended range of content and services
- Meeting all European data requirements
- In interaction with other regions of the world



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Guiding principles for EOSC

The overarching principle for developing EOSC is that research has to be at the centre of the EOSC initiative.

Multi-stakeholderism

EOSC will succeed if and only if it follows a multi-stakeholder approach;

Openness

EOSC will ensure research artefacts be 'as open as possible, as restricted as necessary';

- FAIR principles

EOSC research artefacts need to be findable, accessible, interoperable and reusable;

Federation of infrastructures

EOSC will federate existing and upcoming data- and e-infrastructures;

Machine-actionable

EOSC will strike the right balance between machines and people in delivering the services that will serve the needs of European scientists.



Position of EOSC according to the European Commission

Taken from EC slides



"EOSC is the basis for a science, research and innovation data space that will bring together data resulting for research and deployment programmes and will be connected and articulated with the sectoral data spaces" (European Data Strategy, COM(2020) 66 final)

coeosc EOSC Strategy – 2022 Status of Thinking

EOSC is a 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

What

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

Access and interoperability of research data and results

- Define ownership, authorship and responsibility of data and research outputs
- Ensure long-term preservation of data throughout its lifecycle
- Enable the creation of standards for all research domains
- Make data machine-actionable
- Enable new scientific discovery methods and science disciplines
- Train researchers on adopting FAIR principles as an integral part in their activity

A sustainable coordinated infrastructure

- Establish and maintain a coordinated federated reference architecture
- Implement an operational infrastructure framework that is long term sustainable
- Ensure high quality of data and services
- Ensure secure access to data and services
- Define clear standards for API and interoperability of data and services
- Apply user friendly practices
- Inspire EOSC ambassadors to assist in on-boarding of researchers

Inspired people and robust governance

- Communicate an inspiring EOSC vision
 and strategy
- Implement an unambiguous and clearly mandated governance structure
- Establish a framework to engage human capital in institutions, countries and scientific communities
- Enable disciplinary and crossdisciplinary transnational research to find new insights from existing and new research data and outputs

28 March 2023 by EOSC-A

How

Seose EOSC Association – the Voice of the Community

Next General Assembly #6, 22-23 May 2023



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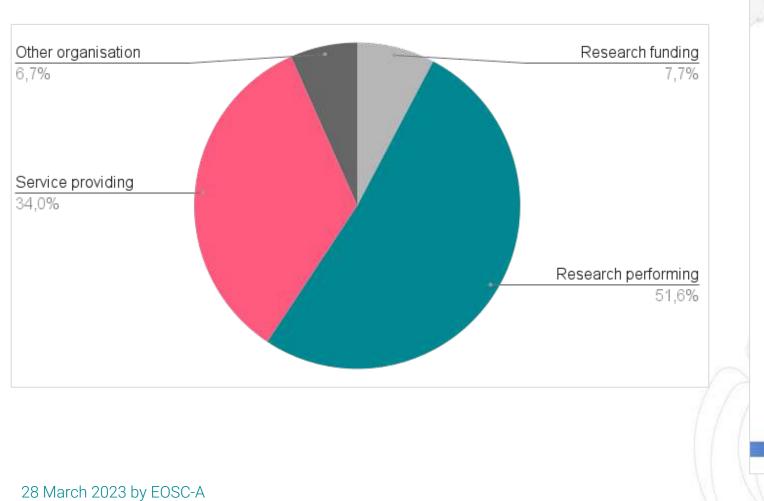
The Purpose of EOSC-A

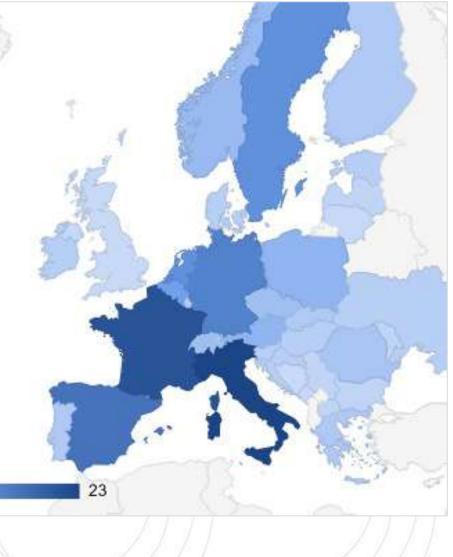
Incorporation, 29 July 2020

- (1) to provide a single voice for the advocay 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.

meosc 168 Members and 81 Observers

A strong memberbase





coeosc EOSC-A Brain-Pool: 13 Task Forces

Over 400 volunteers

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

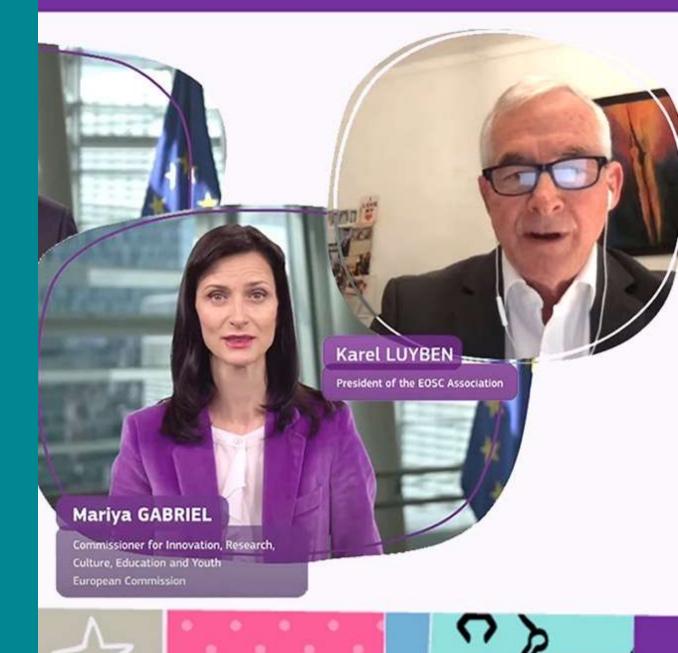
- Financial sustainability
- Long-term data preservation



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Horizon Europe co-programmed EOSC Partnership

- Launched June 2021
- One billion euros commitment by the European Union and the EOSC Association



coeosc SRIA and MAR

Strategic Research and Innovation Agenda



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

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

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

Sustainable and federated infrastructures enable open sharing of scientific results

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

Consultation Open

meose Content of the MoU (2021 - 2030)

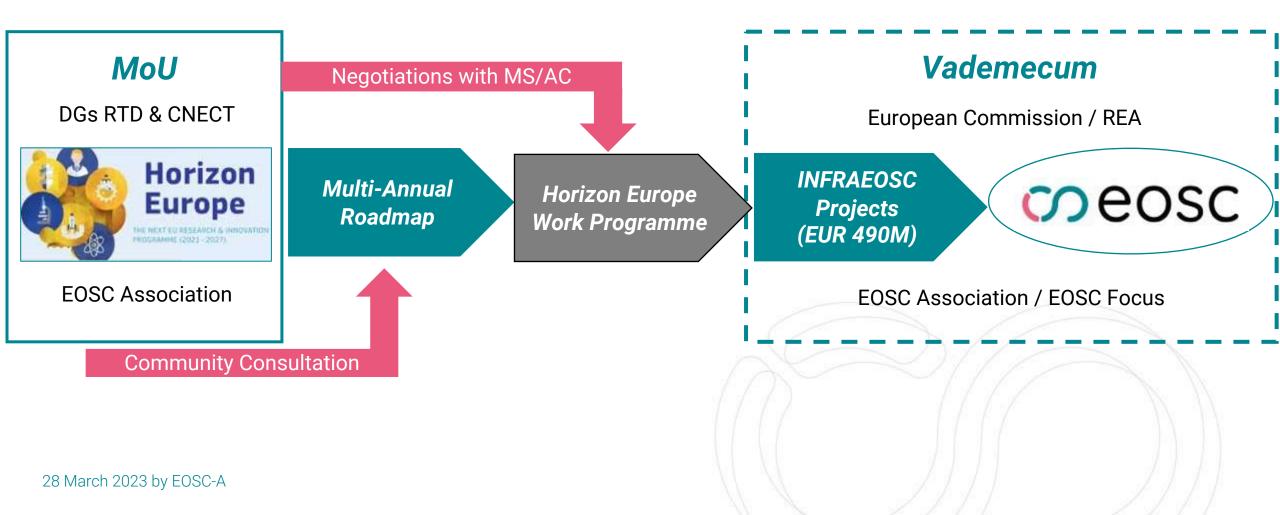
The EC's Commitments

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

meosc Delivering EOSC – the Process

The critical role of the INFRAEOSC Projects



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coeosc Horizon Europe INFRAEOSC Projects / 2022

COROSC | AqualNFRA

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Blue-Cloud2026

A federated European FAIR and Open Research Ecosystem for oceans, seas, coastal and inland waters



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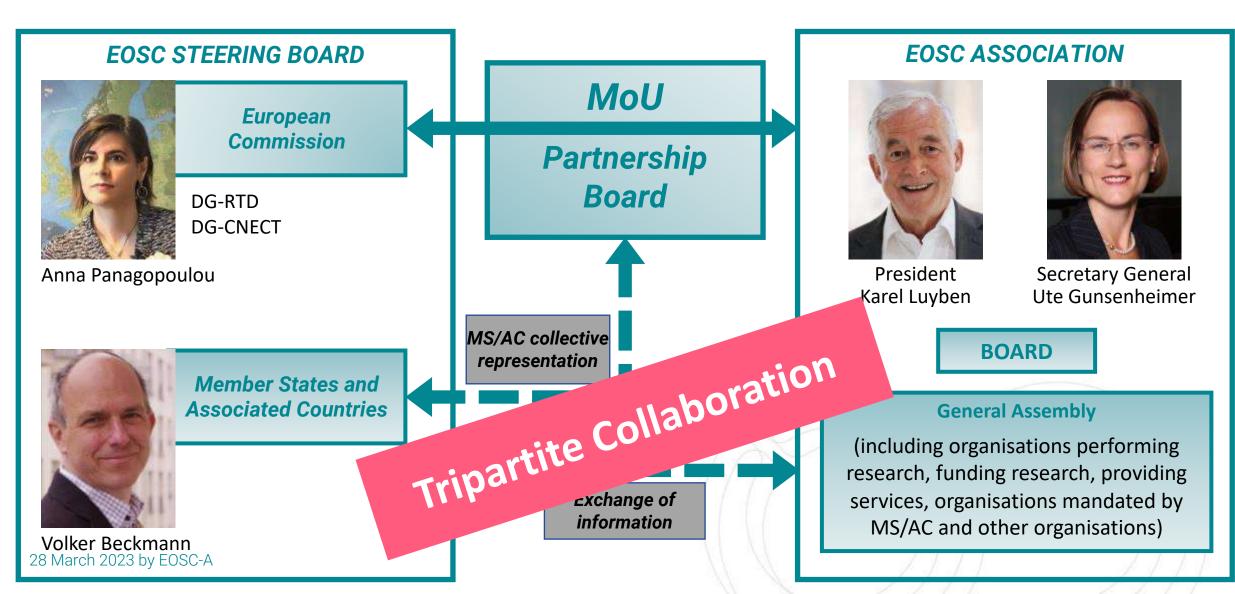
Part of the OPERAS Network

Scilake

graspos open research metrics dataspace

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Tripartite Collaboration



OSC Tripartite event in the ordic and Baltic countries

TRIPARTITE EVENTS IN NUMBERS





151 Total number of speakers, moderators and panelists



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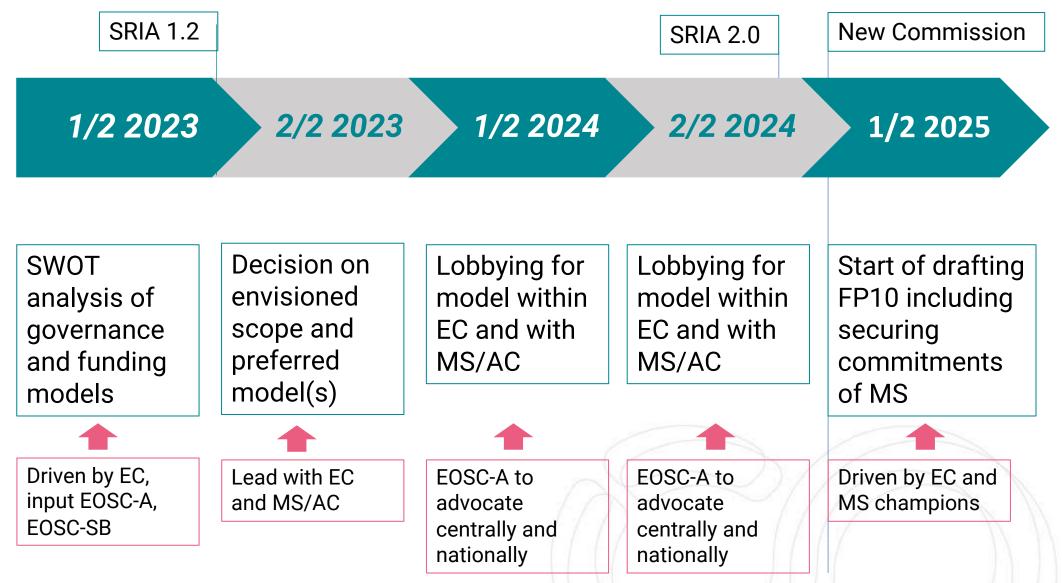
16 Total number of countries targeted







meose Rough timeline for scoping the future



Let's co-create EOSC

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EOSC Association AISBL

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THANKS

