



EOSC Association and EOSC co-programmed Partnership

Ute Gunsenheimer, Secretary General, EOSC-A



The EOSC Association and its Bodies

The Horizon Europe co-programmed EOSC Partnership

The Tripartite Collaboration



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EOSC Association

An Overview

07 November 2022 by Ute Gunsenheimer





The EOSC Association Today

General Assembly #4, 24-25 May 2022

GA #5, 28-29 November

Day 1 – Decision Making

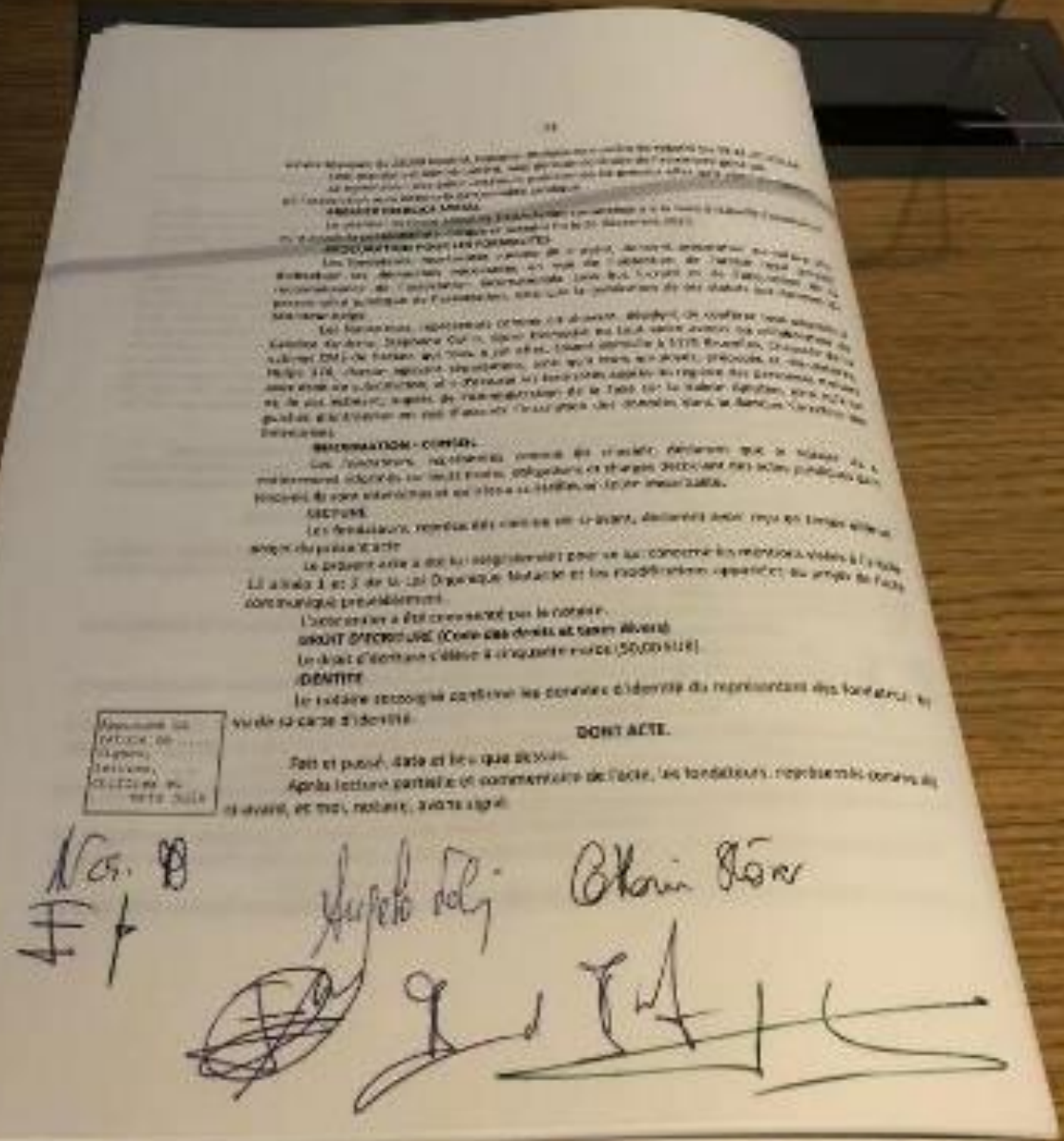
- Report on achievements of 2022
- Election of President and 2 Board members
- Work Plan and Budget 2023

Day 2 - Interactive Sessions

- Breakout sessions with TFs
- Showcasing EOSC in practice

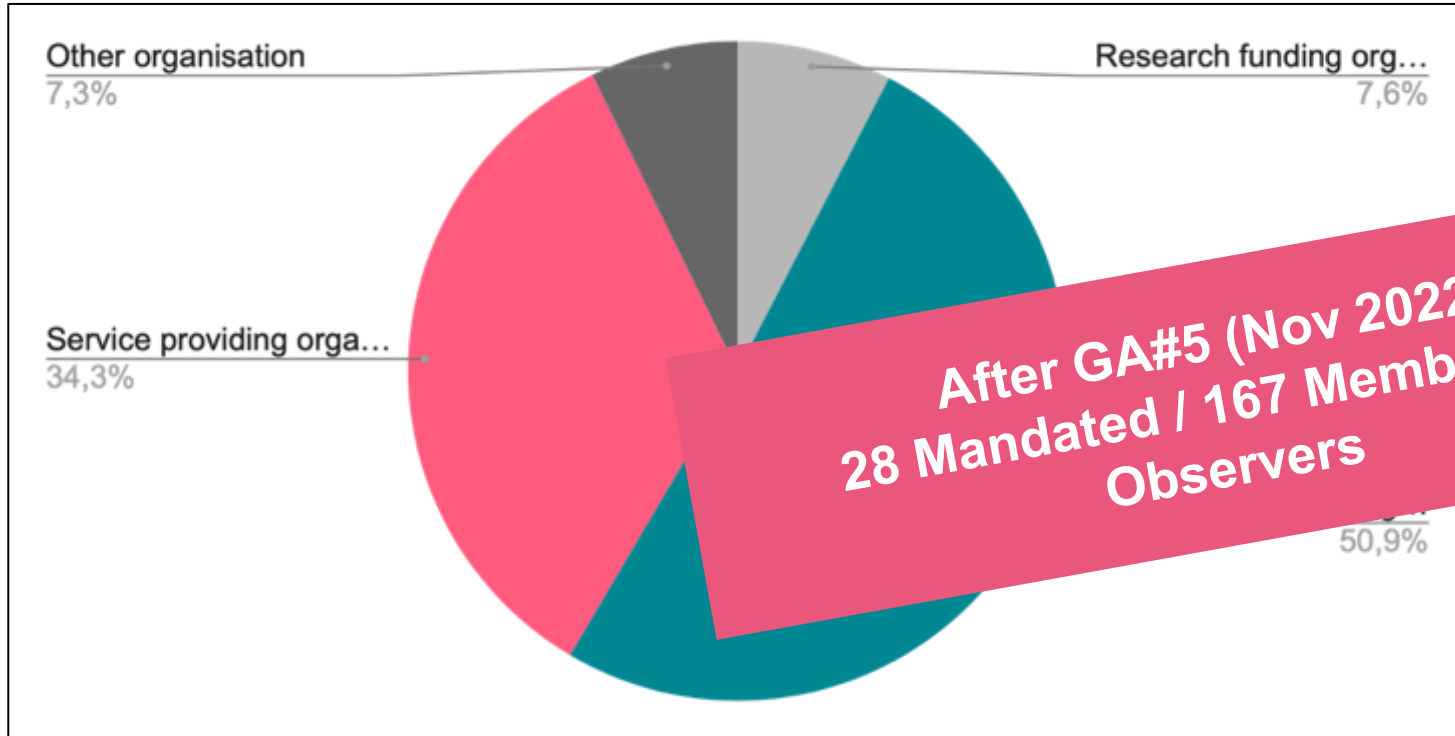
The Purpose of EOOSC-A Incorporation, 29 July 2020

- (1) to provide a single voice for the advocacy and representation of the boarder EOOSC 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.

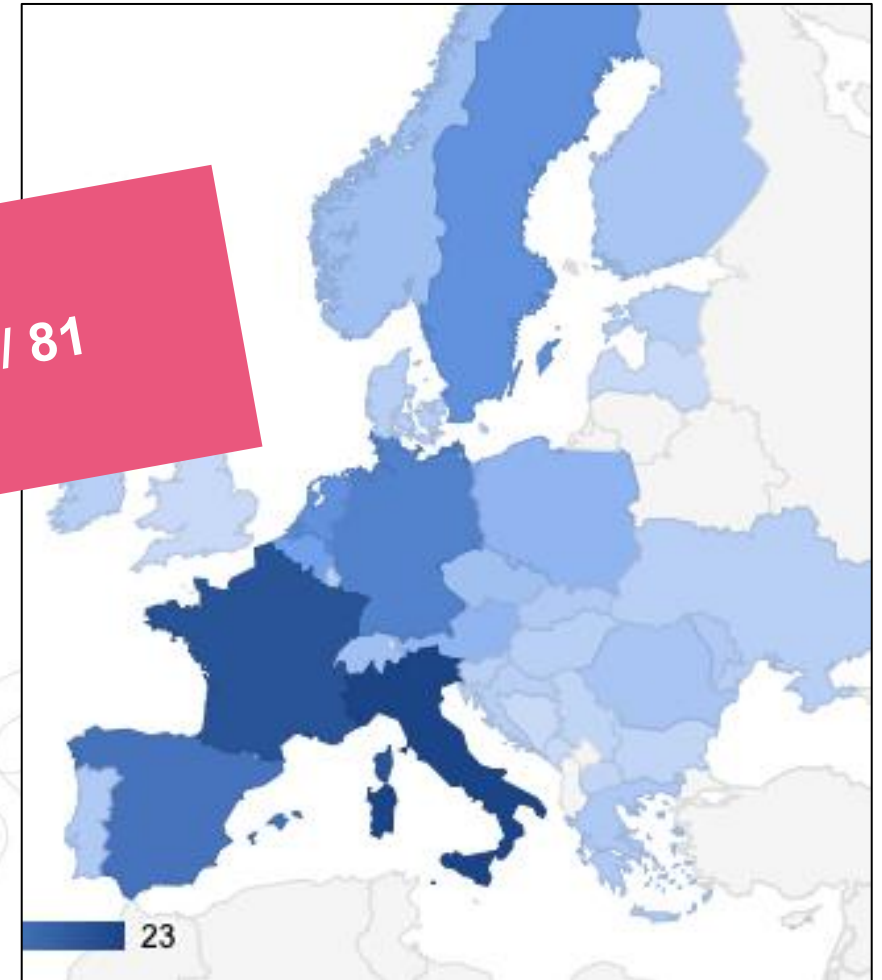


eosc 163 Members and 78 Observers

A strong memberbase



**After GA#5 (Nov 2022)
28 Mandated / 167 Member / 81
Observers**



eosc Austrian Membership in EOSC-A



eosc The Board of Directors

Nine Independent Individuals

| | | | | |
|--|---|--|--|---|
|  |  |  |  |  |
| Karel Luyben President, 2021-22 | Marialuisa Lavitrano Vice-President, 2021-23 | Suzanne Dumouchel 2021-23 | Klaus Tochtermann Treasurer, 2021-23 | Sarah Jones 2021-22 |
|  |  |  |  | |
| Ignacio Blanquer 2021-22 | Sara Garavelli 2022-24 | Bob Jones 2022-24 | Wilhelm Widmark 2022/24 | |

The Secretariat

Nine highly committed staff members

Tia van Renterghem
René Buch
Justyna Karmarczyk
Giulia Lodi
Ute Gunsenheimer
Isabel Caetano
James Tierney
Ilaria Nardello
Erik-Jan Bos

Since 01.11.2022
Gloria Soriano



eosc EOSC-A Brain Trust: 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



21 Participants

12 Task Forces

7
Organisations

- AAI Architecture
- Data Stewardship Curricula and Career Paths (Co-Chair)
- EOSC Financial Sustainability
- FAIR Metrics and Data Quality
- Infrastructure for Quality Research Software
- Long Term Data Preservation
- PID Policy and Implementation
- Research Careers, Recognition and Credit
- Researchers Engagement and Adoption
- Semantic Interoperability
- Technical Interoperability of data and services
- Upskilling countries to engage in EOSC

Task Forces / First Outputs to be Published

Currently in the Pipeline

| Task Force | Title |
|--------------------------------|--|
| FAIR Metrics and Data Quality | Community-driven Governance of FAIRness Assessment |
| FAIR Metrics and Data Quality | FAIR Evaluation / Assessment Tools: Towards an “Appels to Apples” Comparison |
| Fair Metriccs and Data Quality | Towards a Data Quality Framework for EOSC |
| Financial Sustainability | Progress Report |
| Long-term Data Preservation | |



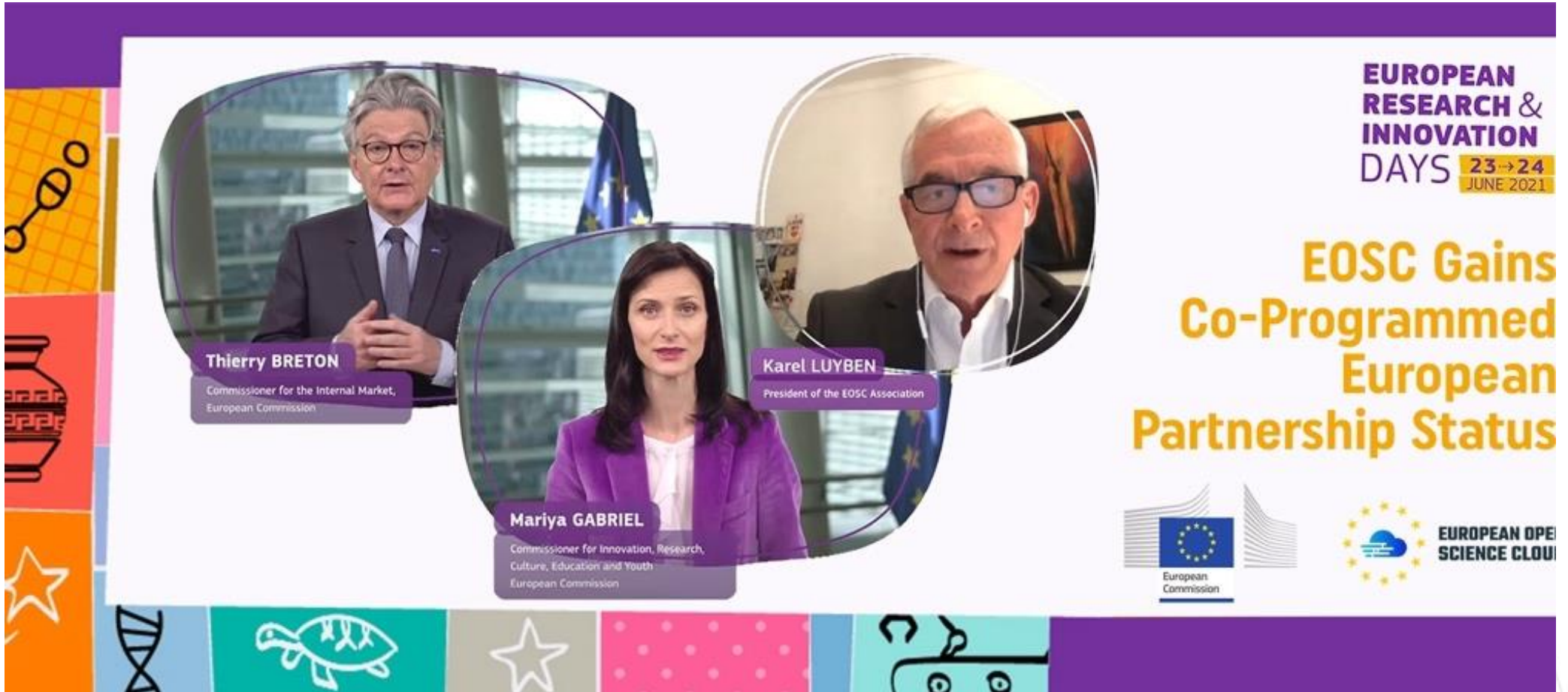
The EOSC Partnership

07 November 2022 by Ute Gunsenheimer



Horizon Europe Co-Programmed EOSC Partnership

2021 - 2030



EUROPEAN RESEARCH & INNOVATION DAYS 23 → 24 JUNE 2021

EOSC Gains Co-Programmed European Partnership Status

Thierry BRETON
Commissioner for the Internal Market,
European Commission

Mariya GABRIEL
Commissioner for Innovation, Research,
Culture, Education and Youth
European Commission

Karel LUYBEN
President of the EOSC Association

European Commission

EUROPEAN OPEN SCIENCE CLOUD

The banner features three video call windows with speakers. The background is decorated with scientific icons like a microscope, DNA helix, and a fish. Logos for the European Commission and the European Open Science Cloud are present.

Strategic Research and Innovation Agenda



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

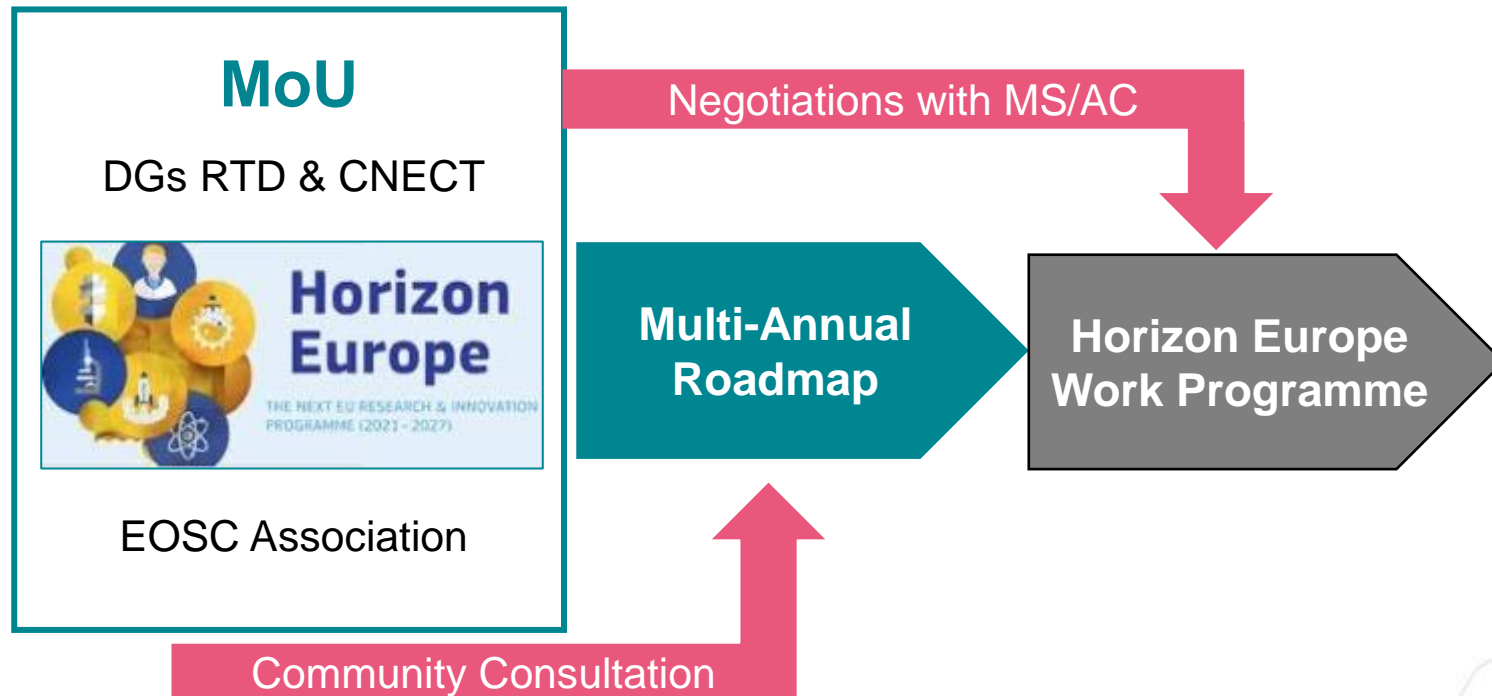
- 2021-2022: development towards a functional federation of infrastructure
- **2023-2024: expansion to production that generates added value**
- 2025-2027: expansion to develop impact from Open Science

The EC's Commitments

- **The MoU is established between the Partners**
 - The EU represented by the Commission
 - The EOOSC 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 EOOSC-A when defining call topics relative to the scope and objectives of the SRIA
- **Commitments of EOOSC-A**
 - In-kind contributions
 - Monitoring and Reporting







eosc Delivering EOSC – the Process


The critical role of the INFRAEOSC Projects



Horizon Europe Work Programme

From **Sep 2022 DRAFT** “HE Research Infrastructure Work Programme 2023-2024”






| INFRA-2023-EOSC-01 | Type of Action | New Budget in MEUR | Old Budget in MEUR |
|---|----------------|--------------------|--------------------|
|  Build on the science cluster approach to ensure the uptake of EOSC by research infrastructures and research communities | RIA | 25.00 | 24.00 |
|  Development of community-based approaches for ensuring and improving the quality of scientific software and code | RIA | 8.00 | 8.00 |
|  Planning, tracking, and assessing scientific knowledge production | RIA | 8.00 | 10.00 |
|  Next generation services for operational and sustainable EOSC Core Infrastructure | RIA | 10.00 | 10.00 |
|  EOSC Architecture and Interoperability Framework | CSA | 3.00 | 4.00 |
|  Trusted environments for sensitive data management in EOSC | RIA | 15.00 | 8.00 |
| Total Budget | | 69.00 | 64.00 |

 = MAR 2023-2024 related


“Old Budget”
from March 2022

Horizon Europe Work Programme

From **Sep 2022 DRAFT** “HE Research Infrastructure Work Programme 2023-2024”

| INFRA-2024-EOSC-01 | Type of Action | New Budget in MEUR | Old Budget in MEUR |
|---|----------------|--------------------|--------------------|
|  FAIR and open data sharing in support of the climate change | | 16.00 | 8.00 |
|  Supporting the EOSC Partnership for coordination and sustainability | | 4.00 | 3.00 |
|  Enabling a network of EOSC and enhancing the framework services for data and other resources | | 5.00 | 5.00 |
|  Long-term access and preservation of EOSC, including data quality and metadata development for | RIA | 8.00 | 8.00 |
|  Innovative and customizable services for EOSC Exchange | RIA | 28.00 | 7.00 |
| Total Budget | | 61.00 | 31.00 |

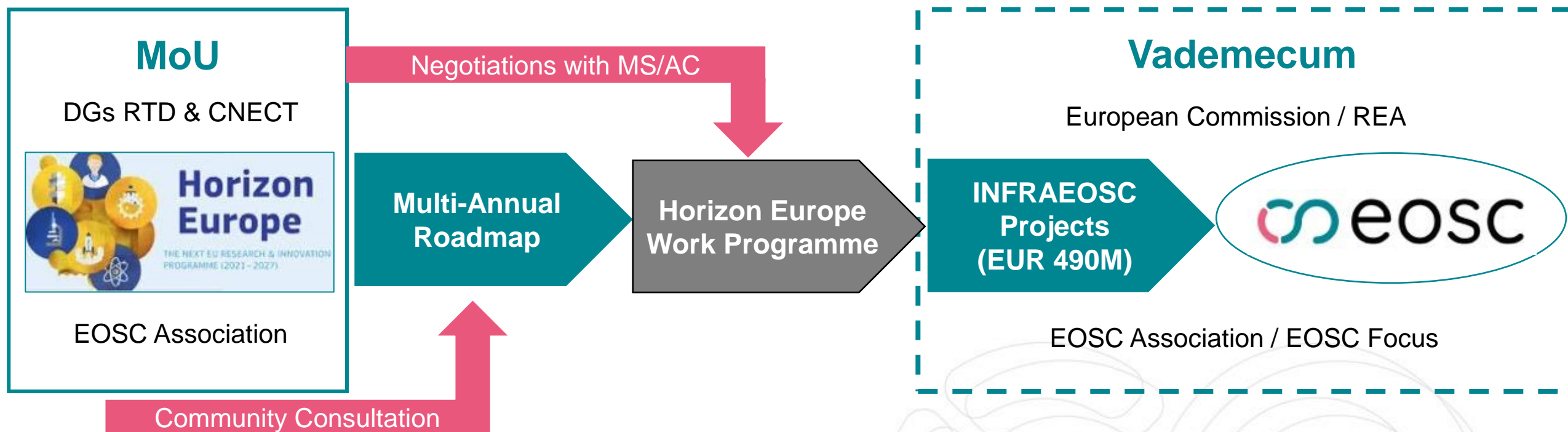
“Nach dem Spiel ist vor dem Spiel”
 Work on MAR 2025 starts now!

 = MAR 2023-2024 related

“Old Budget”
from March 2022

eosc Delivering EOSC – the Process

The critical role of the INFRAEOSC Projects



Collaboration with INFRAEOSC Projects kicked-off

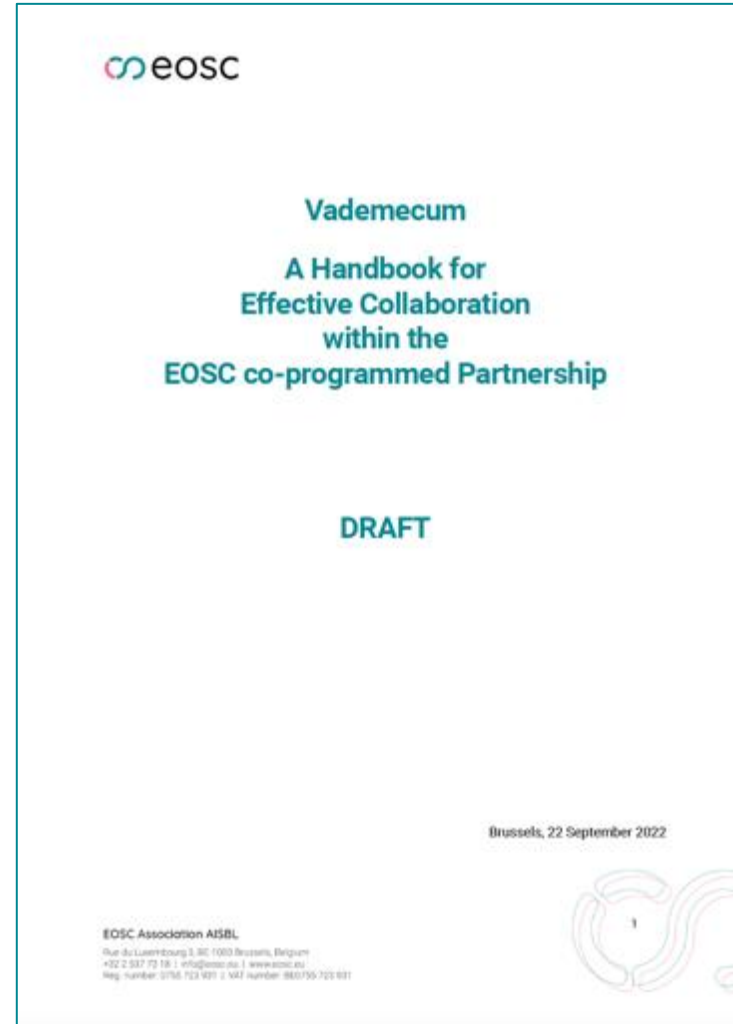
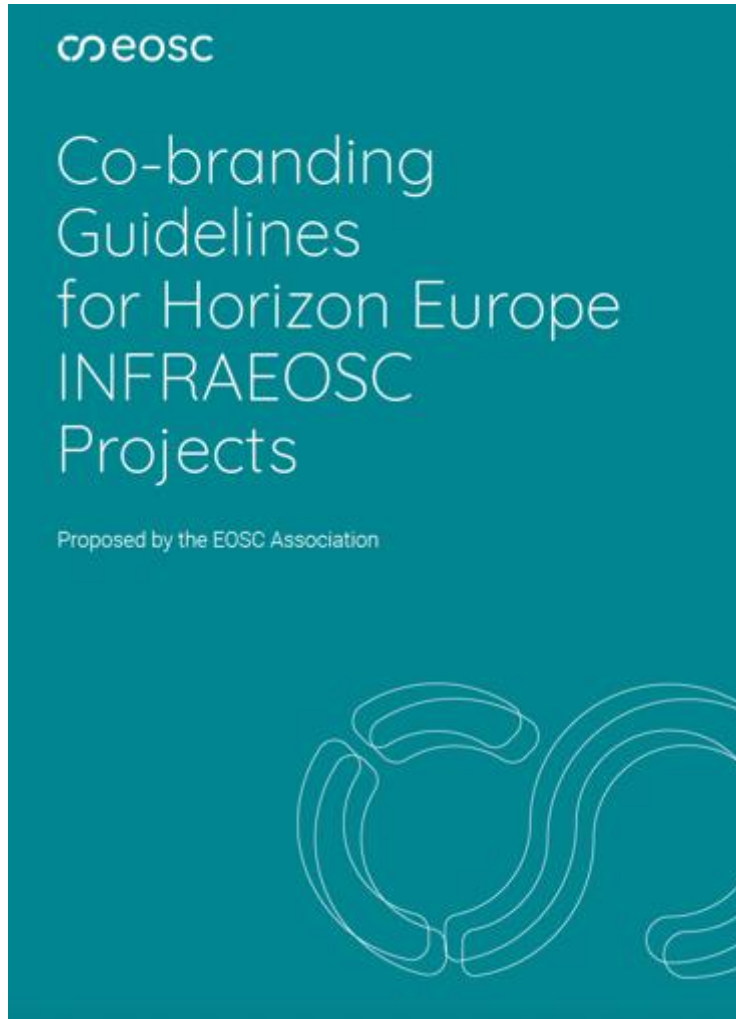
Joint meeting in Brussels, 30 September 2022





Co-branding Guidelines & Vademecum

Two Key Documents for Collaboration



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eosc Collaboration INFRAEOSC Projects

AI4 | eosc

eosc | FAIR-EASE

eosc | Focus

eosc | cancer Skills
4 eosc

eosc | RAISE

eosc | FAIR-IMPACT

eosc | FAIRCORE4EOSC

eosc | EuroScienceGateway

EOSC Focus

CSA to support the success of the
EOSC Partnership

June 2022 - May 2025

2 of 9 Beneficiaries from Austria



EOSC-A's Commitments

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- **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

According to the MoU

1. Annual reporting

- Report on the forecast contributions to the Additional Activities (**in the form of the Additional Activities Plan**) and the actually provided contributions to the Additional Activities.

2. Biennial reporting

- **Biennial Monitoring Report (BMR)** including indicators common for all HE partnerships
- **Full Report**
 - The progress of the partnership towards its objectives and the expected impacts (**Monitoring Framework of the EOSC Partnership and its KPIs**);
 - Functioning of the Partnership (additionality, directionality, international visibility and positioning, transparency and openness, coherence, and synergies);
 - Agreed and actual contributions (**AAP**);
 - Investments in operational activities;
 - Structured and representative 'impact case studies' (**success stories**).

The EOSC Partnership Monitoring Framework and its KPIs

Adopted on 7 April 2022

EOSC Partnership Board

- 9 Specific Objectives (19 KPIs)
- 14 Operational Objectives (19 KPIs)
- 3 General Objectives



Additional Activities

- Contributions of the Members of the Association to the development of EOSC
- All activities that are in scope with the Strategic Research and Innovation Agenda (SRIA), not covered by European Union funding
- **Additional Activities Plan 2022** with a total value of **312 MEUR** (approved on 7 April 2022)



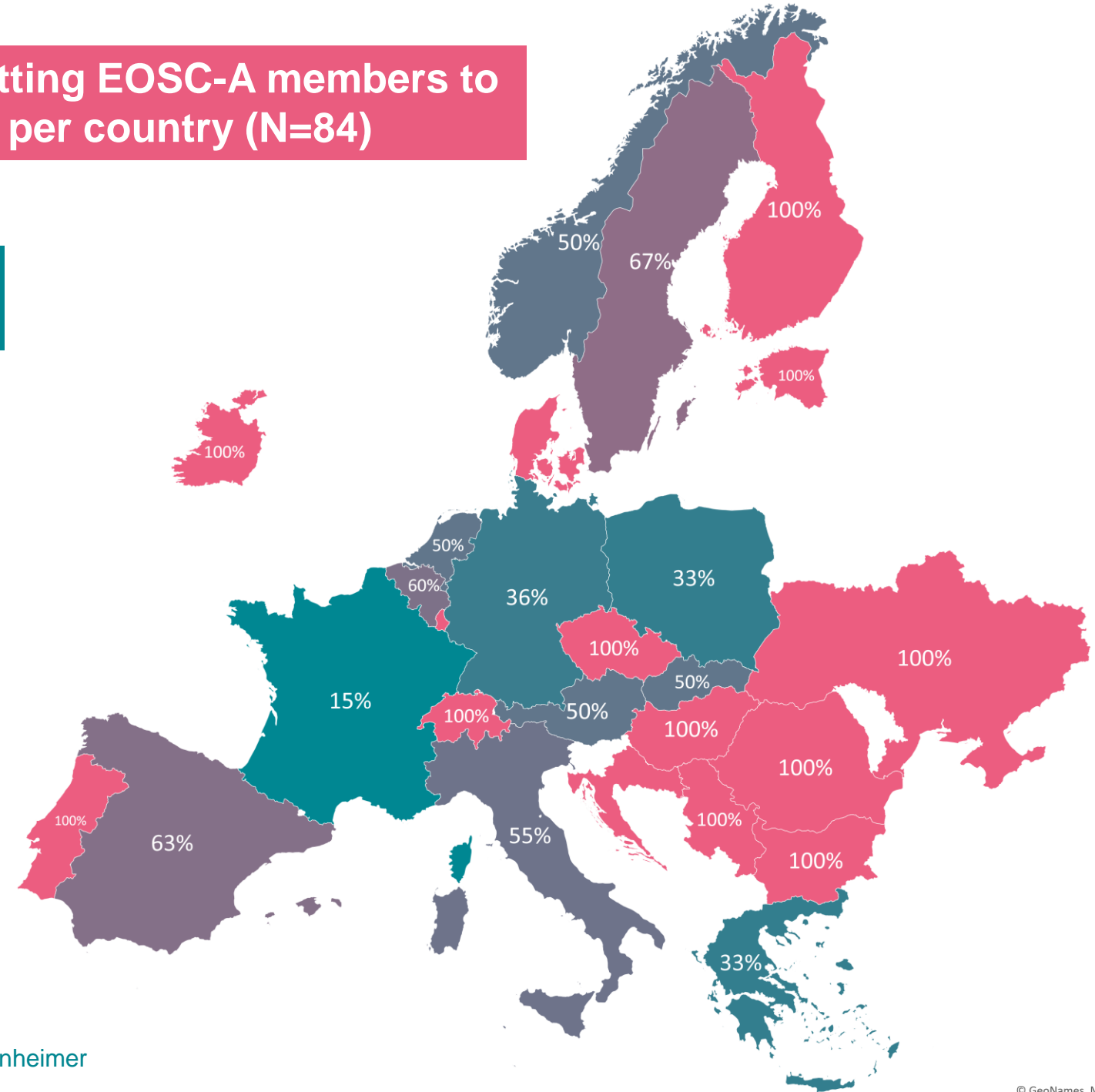
AAP 2023

Data collection September / October 2022

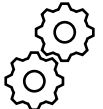


- 84 responses (total coverage: 97 of EOSC-A members)
- 04 Nov 2022: Draft AAP 2023 submitted to the EC
- 19 Dec 2022: Approval at Partnership Board #4

Percentage of submitting EOSC-A members to the AAP 2023 survey per country (N=84)

Austria 50%
(3 out of 6 members)



Additional Activities in Austria

| Category | Services and infrastructures | Policies, regulations, and coordination activities | Training and skills development |
|-------------|--|--|---|
| Description | <ul style="list-style-type: none"> ○ Digital University Hub cooperation and service platform ○ TUGraz InvenioRDM-based repository for research data and OERs ○ Scale up of the Earth Observation Data Centre (EODC)  | <ul style="list-style-type: none"> ○ EOSC Support Office Austria ○ Implementation of institutional RDM policies ○ CoreTrustSeal certification ○ Supporting policy development of the activities fulfilled by FDO Forum  | <ul style="list-style-type: none"> ○ Data Stewardship Programme @UNIVIE ○ Training and support services for efficient research data management ○ Building capacities for Citizen Science ○ Cluster Forschungsdaten activities  |

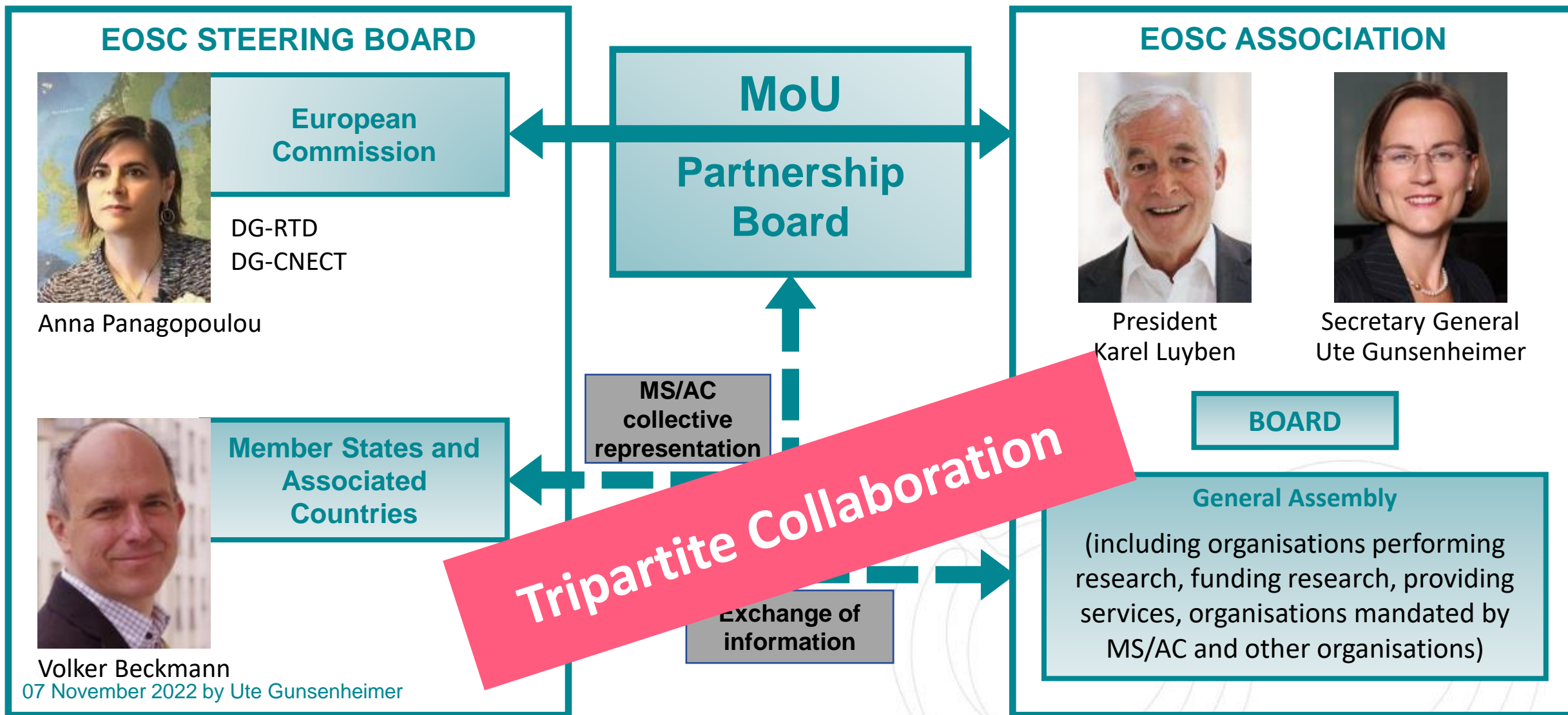
The Tripartite Collaboration

- In the Context of ERA



eosc EOSC Partnership

Tripartite Collaboration



ERA European Research Area

20 Actions



| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 16 | 17 | 19 | 20 | Total |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-------|
| Austria (AT) | | | | | | | | | | | | | | | | | | | 13 |
| Belgium (BE) | | | | | | | | | | | | | | | | | | | 18 |
| Bulgaria (BG) | | | | | | | | | | | | | | | | | | | 7 |
| Croatia (HR) | | | | | | | | | | | | | | | | | | | 4 |
| Cyprus (CY) | | | | | | | | | | | | | | | | | | | 11 |
| Czechia (CZ) | | | | | | | | | | | | | | | | | | | 18 |
| Denmark (DK) | | | | | | | | | | | | | | | | | | | 14 |
| Estonia (EE) | | | | | | | | | | | | | | | | | | | 18 |
| Finland (FI) | | | | | | | | | | | | | | | | | | | 11 |
| France (FR) | | | | | | | | | | | | | | | | | | | 17 |
| Germany (DE) | | | | | | | | | | | | | | | | | | | 18 |
| Greece (EL) | | | | | | | | | | | | | | | | | | | 6 |
| Hungary (HU) | | | | | | | | | | | | | | | | | | | 14 |
| Ireland (IE) | | | | | | | | | | | | | | | | | | | 9 |
| Italy (IT) | | | | | | | | | | | | | | | | | | | 14 |
| Latvia (LV) | | | | | | | | | | | | | | | | | | | 8 |
| Lithuania (LT) | | | | | | | | | | | | | | | | | | | 14 |
| Luxembourg (LU) | | | | | | | | | | | | | | | | | | | 0 |
| Malta (MT) | | | | | | | | | | | | | | | | | | | 5 |
| Netherlands (NL) | | | | | | | | | | | | | | | | | | | 16 |
| Poland (PL) | | | | | | | | | | | | | | | | | | | 11 |
| Portugal (PT) | | | | | | | | | | | | | | | | | | | 18 |
| Romania (RO) | | | | | | | | | | | | | | | | | | | 8 |
| Slovakia (SK) | | | | | | | | | | | | | | | | | | | 10 |
| Slovenia (SI) | | | | | | | | | | | | | | | | | | | 13 |
| Spain (ES) | | | | | | | | | | | | | | | | | | | 17 |
| Sweden (SE) | | | | | | | | | | | | | | | | | | | 10 |
| Total | 24 | 13 | 22 | 25 | 18 | 15 | 18 | 24 | 19 | 23 | 17 | 21 | 16 | 17 | 15 | 10 | 16 | 9 | |


eosc Tripartite Events

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23 May 2022
Tripartite Event | Austria

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28 September 2022
Tripartite Event | Ireland

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4 October 2022
Tripartite Event |
Nordic & Baltic Countries

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6 October 2022
Tripartite Event | Greece

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10 October 2022
Spain and Portugal
EOSC Tripartite Event

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11 October 2022
Tripartite Event | Slovenia

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24 October 2022
Tripartite Event | Poland

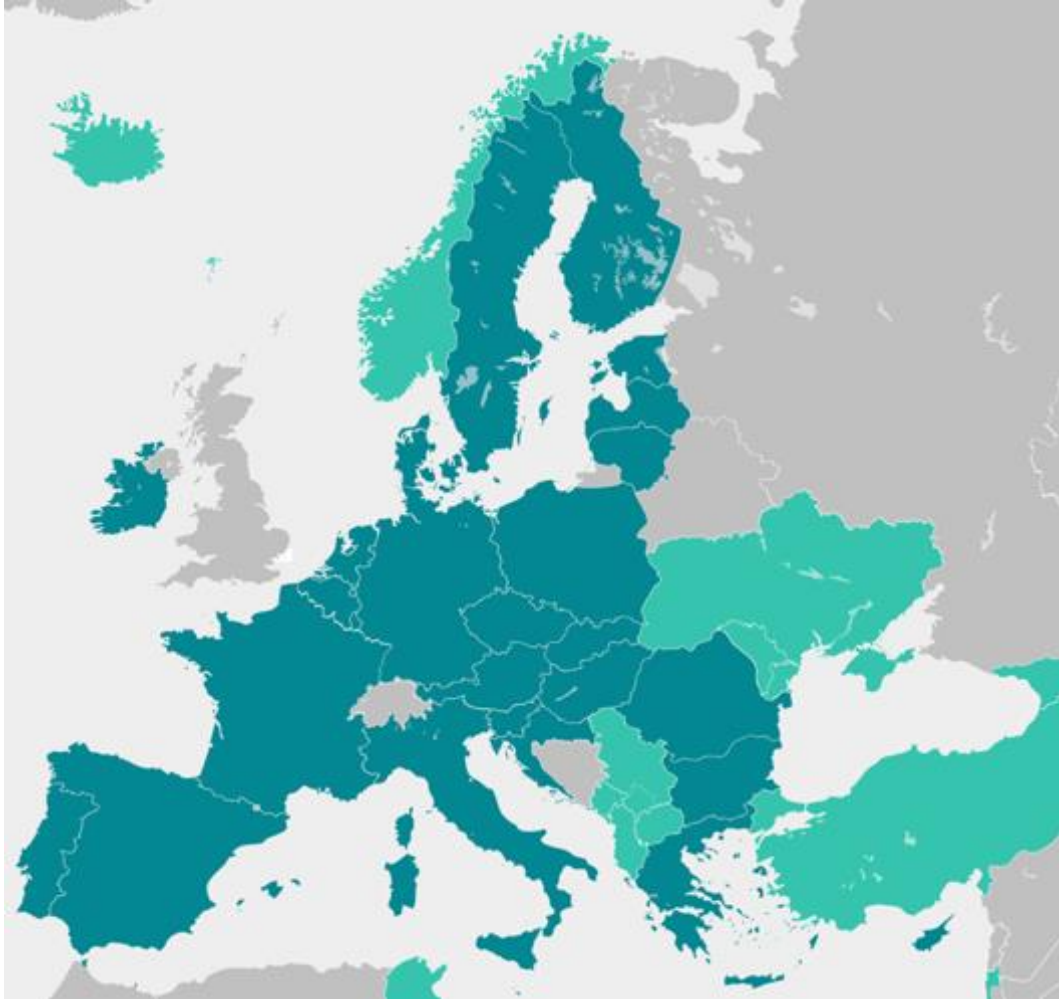
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2 - 4 November 2022
Tripartite Event | Georgia

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24 November 2022
Tripartite Event | Germany

eosc Tour d'Europe



Ireland, Dublin
28.09.2022
Format: In presence
50 Attendees | 17 Speakers & Panelists

Greece, Athens
06.10.2022
Format: Hybrid
40 Attendees | 12 Speakers & Panelists
150 Online Participants

Slovenia, Ljubljana
11.10.2022
Format: Hybrid
70 Attendees | 26 Speakers & Panelists
150 Online Participants

Georgia, Tblisi
2-3.11.2022
Format: Hybrid

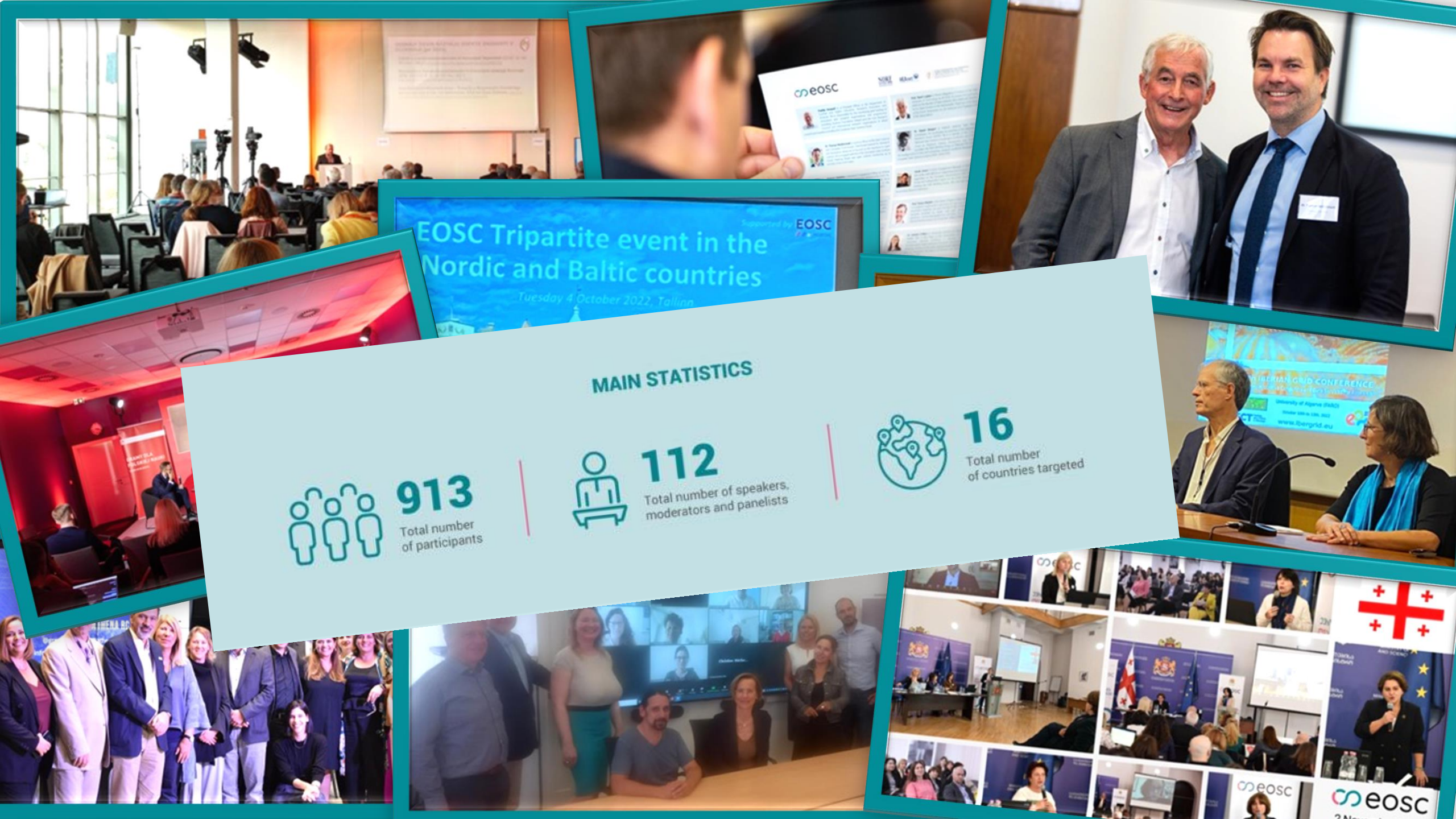
Austria, Vienna
23.05.2022
Format: Hybrid
20 Attendees | 10 Speakers & Panelists

Nordics&Baltics, Tallinn
04.10.2022
Format: In presence
85 Attendees | 22 Speakers & Panelists

Spain&Portugal, Faro
10.10.2022
Format: In presence
60 Attendees | 28 Speakers & Panelists

Poland, Kracow
24-26.10.2022
Format: Hybrid
50 Attendees | 38 Speakers & Panelists
238 Online Participants

Germany, Karlsruhe
24.11.2022
Format: Online



EOOSC Tripartite event in the Nordic and Baltic countries
Tuesday 4 October 2022, Tallinn

MAIN STATISTICS



913
Total number of participants



112
Total number of speakers, moderators and panelists



16
Total number of countries targeted



Register
by 2 Nov

EOSC SYMPOSIUM

14-17 November 2022

Clarion Congress Hotel Prague

#EOSCsymposium22

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 EOSC Future



Funded by
the European Union