

neosc

8th General Assembly
Leuven, 27-28 May 2024





Item 01: Welcome and Opening of General Assembly Meeting #8

Karel Luyben, President, EOSC-A



eos Item 1: Welcome and Opening

Folder

- Programme
- Participants list
- Name badge
- Voting slip

Wifi

- Wifi network:
Irish College Leuven
- Password:
irishcollege

Questions

- Tia van Renterghem
 - Tia.van.Renterghem@eos.eu
 - +32-471-01 92 47
- Sofie Peeters
 - secretariat@eos.eu
 - +32 473 24 09 96

Item 01: Welcome and Opening

Voting method: Open Voting



Who abstains?

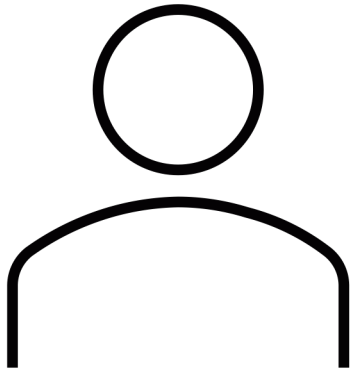
Each voting session will start with a question “Who abstains?”, so the Voting Monitors have the time to calculate the reference total of votes.

eosc Item 01: Welcome and Opening

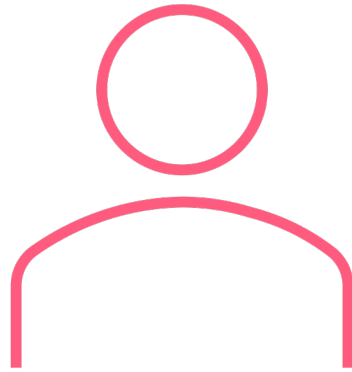
Agenda Item	Majority applied
Item 02: Adoption of draft agenda	Simple majority (50%+1)
Item 03: Admission of new Members and Observers of the Association, incl. short presentation of new organisations	Simple majority (50%+1)
Item 05: a) Approval of Annual Accounts 2023	Two third majority of all Members (67%)
b) Approval for the discharge of the Board of Directors for the financial year 2023	Simple majority (50%+1)
c) Approval for the discharge of the Auditor, Geert Keunen, for the financial year 2023	Simple majority (50%+1)
Item 06: Re-Appointment of Auditor "VRC BEDRIJFSREVISOREN SC"	Simple majority (50%+1)

Item 01: Welcome and Opening

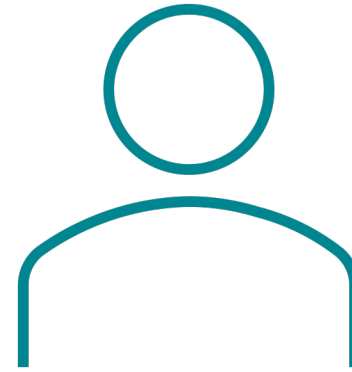
Voting monitors



Sofie
Peeters



Margaret
Armstrong



Julia
Priess-Buchheit



neosc

Q&A

Item 02: Adoption of draft agenda

Karel Luyben, President, EOOSC-A



Item 02: Adoption of draft agenda

Monday, 27 May 2024

Individual arrival

12:00 *Opening of Registration / Sandwich Lunch*

13:00 **Item 01: Welcome and Opening of General Assembly Meeting #8**

Karel Luyben, President, EOSC-A (Information / 10')

13:10 **Item 02: Adoption of draft agenda**

Karel Luyben, President, EOSC-A (Decision / Open Voting / 5')



Item 02: Adoption of draft agenda

Part I

13:15 **Item 03: Admission of new Members and Observers of the Association,**
incl. short presentation of new organisations

Ignacio Blanquer, Director, EOSC-A, and representatives of the Provisional Members and Observers (Decision / Open Voting / 15')

Paper A: New Members and Observers

13:30 **Item 04: Interim Report of the President and the Secretary General**

Karel Luyben, President, Ute Gunsenheimer, Secretary General, EOSC-A,
(Information / 30')

Included in Item 04: **The Funders Forum**

Sylvia Jeney, SNSF / Aneta Pazik-Aybar, NCN (Information / 10')

Paper B: Interim Report

Item 02: Adoption of draft agenda

14:10 **Item 05: Annual Accounts 2023 and Discharge of the Board of Directors**

Klaus Tochtermann, Director and Treasurer, EOSC-A

Geert Keunen., VRC Auditors (Decision / Open Voting /15')

Paper C: Annual Accounts 2023 and Audit Report

14:25 **Item 06: Re-Appointment of Auditor “VRC BEDRIJFSREVISOREN SC”**

Klaus Tochtermann, Director and Treasurer, EOSC-A (Decision / Open Voting / 15')

Paper D: Re-Appointment of Auditor

14:40 **Q&A regarding Part I**

15:00 *Coffee break*



eosc Item 02: Adoption of draft agenda

Part II

15:30 **Item 07: SRIA 2.0**

Karel Luyben, President, EOSC-A (Information / 15')

Paper E: SRIA 2.0 Approach

15:45 **Item 08: The EOSC Brain Pool – Task Forces, Expert Groups,
Opportunity Areas Groups**

Ignacio Blanquer, Director, EOSC-A (Information / 20')

Paper F: Process and result of rescoping the EOSC-A Task Forces

Q&A regarding Part II



Item 02: Adoption of draft agenda

Part III

16:15 **Item 09: Status: EOSC Federation & EOSC Nodes / Briefing for Day 2**

Bob Jones, Director, EOSC-A (Information / 15')

Paper G: The EOSC Federation and the role of Nodes

16:30 **Item 10: EOSC post-2027 – Considerations for an Institutionalised Partnership based on Art. 185 TFEU** (Information / 75')

Karel Luyben, President, EOSC-A

Octavi Quintana Trias, Director of PRIMA Partnership Secretariat

Paper H: EOSC post-2027 – Status and Way Forward

Q&A

17:45 **End of Meeting Day 1**

17:45 Drink reception offered by KU Leuven, KU Leuven Libraries and LIBIS in the garden of the Irish College if the weather allows it.

18.30 Guided walking tour from the Irish College to the dinner venue with some highlights of Leuven's historical city centre.

19.30 **Dinner at De Hoorn**

Sluisstraat 79, 3000 Leuven, Belgium

Item 02: Adoption of draft agenda

Tuesday, 28 May 2024

Part IV

9:30 [Start of Day 2](#)

9:30 **Item 11: The EOSC EU Node**

Spiros Athanasiou, Lot 1 Account Executive, Athena Center (remotely)

9:50 **Q&A regarding Part IV**

Part V

10:00 **Item 12: The EOSC Federation / EOSC Nodes / Introduction of Breakouts**

10:00 **Breakout Session 1**

11:00 Coffee break

11:30 **Breakout Session 2**

12:30 **Reporting**

Wrap-up / Session for Open Discussion / Closing

13:00 Lunch / end of GA #8



Item 02: Adoption of draft agenda

The General Assembly is invited to adopt the agenda for GA#8.

Decision/Open Voting

Item 03: Admission of new Members and Observers of the Association, incl. short presentation of new organisations

Ignacio Blanquer, Director, EOSC-A and representatives of the Provisional Members and Observers



Paper A: New Members and Observers



oeosc Admission of New Members and Observers



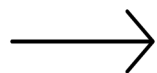
- Resignations
- Provisional Members
- Provisional New Observers
- Members changing to Observers
- Observers changing to Members
- Voting

eosc Resignations to re-apply

Item 3: New Members
and Observers
Paper A



Member



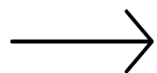
Observer

Four Members have resigned membership in order to **re-apply as Observers**

- European Mathematical Society (EMS), Denmark (applicable as of 2025)
- Natural History Museum Vienna (NHMW), Austria (applicable as of 2025)
- University of Oviedo (UNIOVI), Spain (applicable as of 2024)
- University of Tuscia (UNITUS), Italy (applicable as of 2025)



Observer



Member

One Observer has resigned membership in order to **re-apply as a Member**

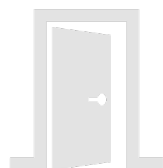
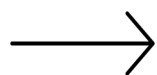
- JISC, UK

eosc Definitive resignations

Item 3: New Members
and Observers
Paper A



Member

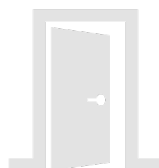
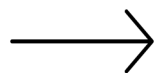


Four Members

- Fundación Española para la Ciencia y la Tecnología (FECYT), Spain (applicable as of 2025)
- Research Council for Sustainable Development (Formas), Sweden (applicable as of 2025)
- University of Coruña (UDC), Spain (applicable as of 2025)
- University of Pisa (UNIPi), Italy (applicable as of 2025)



Observer



Five Observers

- Digital Science & Research Solutions Limited (DSRSL), UK (applicable as of 2025)
- European Food Information Resource AISBL (EuroFIR), Belgium (applicable as of 2025)
- Frontiers, Switzerland (applicable as of 2024)
- Navarra de Servicios y Tecnologías S.A. (NASERTIC), Spain (applicable as of 2025)
- SPARC Europe, the Netherlands (applicable as of 2025)



Member

New applications

Four new applications for Members have been received (+1 changing status)

- Aragonese Institute of Health Sciences (IACS), Spain
- Danish e-Infrastructure Consortium (DeiC), Denmark*
- The Dutch Research Council (Nederlandse Organisatie voor Wetenschappelijk Onderzoek) (NWO), the Netherlands
- Stichting Health-RI (HRI), the Netherlands **

* DeiC has applied as a 'Member' to afterwards be appointed as 'Mandated Organisation' replacing DTU (Technical University of Denmark).

** Stichting Health-RI (HRI) has been merged with DTL and has now proposed to become a Member. Meaning instead of DTL (that was an Observer) now there will be HRI as a Member if this is accepted.



Observer

Five new application for Observers have been received (+4 changing status)

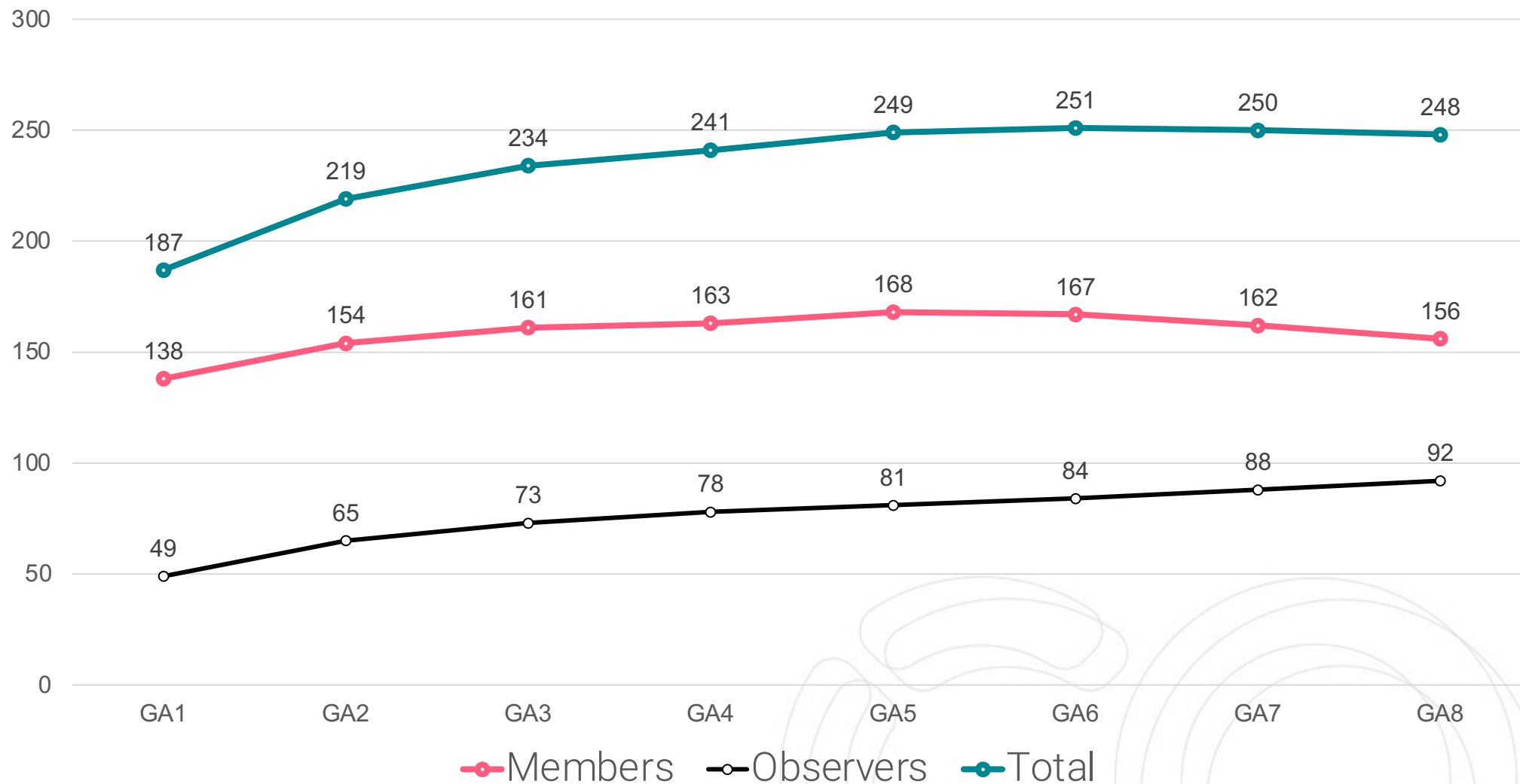
- European Clinical Research Infrastructure Network (ECRIN), France
- Flanders Marine Institute (VLIZ), Belgium
- The Open University (OU), United Kingdom
- Université Clermont Auvergne (UCA), France
- University of Helsinki (UH), Finland



Statistics from Paper A

	GA#7	Reapplications		Resignations (by the end of 2024)	New Applications	Special Cases		Member base by end of 2024	Member base not including full resignations
		M->O	O->M			DeiC replaces DTU	HRI replaces DTL		
Members	162	-5	1	-4	2	0	0	156	160
Observers	88	5	-1	-5	5			92	97
Total	250	250						248	257

Evolution of the EOSC-A member base



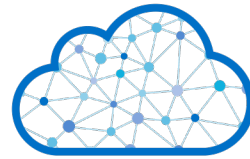


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BiGAN

 **BY-COVID**

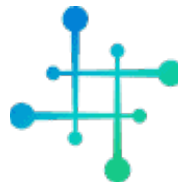


HEALTHYCLOUD
Health Research & Innovation Cloud



EP PerMed
European Partnership
for Personalised Medicine

TEHDAS



EHDS
HealthData@EU Pilot



transforming health
and care systems



QUANTUM
THE HEALTH DATA QUALITY LABEL

Danish e-Infrastructure Consortium



- DeiC
 - develops and coordinates the collaboration on digital research infrastructure with and between the Danish universities.
 - has the task of developing a national strategy for handling of research data and establishing national data storage.
 - coordinates the Danish participation in international collaborations on digital research infrastructure.
- Applies to become (mandated) member of EOSC Association to
 - participate and engage in European development.
 - Ensure that Danish researchers complies with and has access to the European data structures.



What is NWO?

- The Dutch Research Council (NWO) is the national research council of the Netherlands

Why joining the EOSC-A?

- NWO has been championing Open Science for years and its mission to put open science into practice is aligned with the mission of the EOSC Association

Examples of Open Science activities of NWO:

- Open Access and RDM policies
- Open Science Fund
- Embedding DORA principles in grant and researchers' evaluation
- Funding for Open Science Infrastructures and networks
- Funding for local and thematic digital competence centres
- Since 2023: hosting of Open Science NL – department dedicated to Open Science implementation with budget of 20M EUR/year

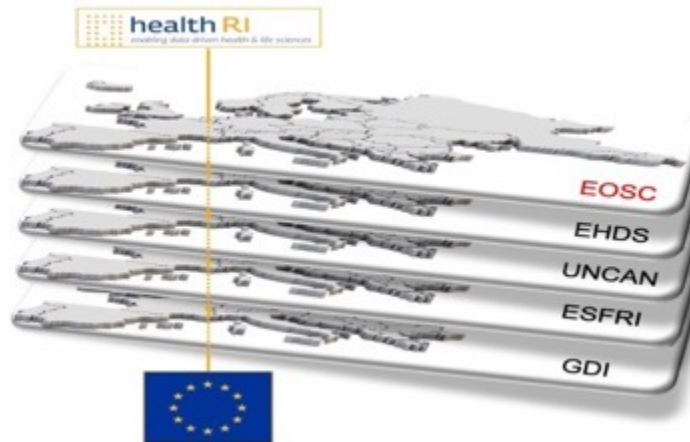


<https://www.nwo.nl/en>

<https://www.openscience.nl/en>

Health-RI

- **A Dutch foundation. Mission** is better health for citizens and patients by reusing health and life sciences data with an **integrated data infrastructure** for *research, policy and innovation*.
- National player in realising the national health data infrastructure and as the coordinator of the Thematic Digital Competence Center (TDCC) for Life Science & Health research.
- Track record of working on EOSC-related activities, originating from the Dutch Techcentre for Life Sciences (DTL), with professionalisation of data stewardship as one of the focal points.
- One of the key research supporting organisations in Open Science Netherlands (OSNL). Want to align with key developments around data stewardship (incl. human capital aspects), FAIR implementation and FAIR-based architecture design.
- Actively contributes to other major European initiatives such as, the ESFRIs (ELIXIR, EATRIS, BBMRI), and the European Health Data Space (EHDS) to enable high-efficiency, high-impact Life Science & Health Research.
- Health-RI is willing to contribute to the EOSC as cross-connecting European infrastructure driving FAIR-based data access across disciplines.



- EOSC Observer
- FAIR working group, Working group Skills & Training
- Task Force Data Stewardship, curriculum and career paths
- Task Force Researcher Engagement and Adoption
- ELIXIR EOSC Focus group

- National Thematic Digital Competence Center LSH (TDCC-LSH)
- Contribute to the SRIA, MAR
- EOSC Winterschool 2024
- OA5: Skills, Training, Rewards, Recognition and Upskilling
- EOSC membership!
- Applied for Taskforces Health Data, FAIR Metrics and Objects

ECRIN-ERIC, a distributed research infrastructure supporting multinational clinical trials

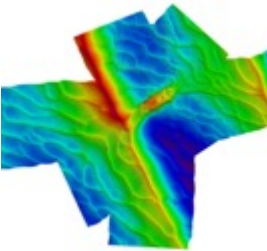
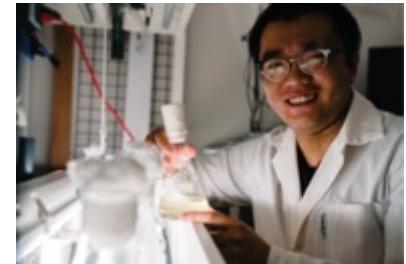
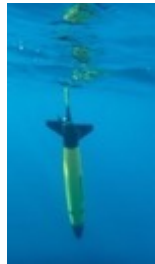
- Support **multinational trials** in Europe (investigator-initiated and SME-sponsored trials) through **operational services to trial management** tasks: regulatory, ethics, monitoring, vigilance, data management, data sharing
- Develop **tools, methods and partnerships** for multinational trials (ethical/regulatory database, data centre certification, data sharing tools, personalised medicine, platform trials)
- ✓ Including data centre certification programme, clinical research metadata repository, clinical research data sharing repository



FLANDERS MARINE INSTITUTE (provisional EOSC A. observer)

*Mission to promote **marine knowledge creation and excellence** through sound interdisciplinary **research** about the ocean, seas, coast and tidal estuaries*

3 pillars: science support, research, valorisation and innovation; Q4 collaborations and strategic partnerships; 180 FTE; 24 nationalities, turnover: ~17 €M; Ostend, Belgium.



VLIZ is (and was) involved in several EOSC related projects, EU Ris and EU Data Space activities



VLIZ representative: Lennert Tyberghein (manager VLIZ Marine Data Centre)

+ Marc Portier (Open Science Team Lead): EOSC A. - TF Interoperability application pending

Largest UK
university,
founded in 1969

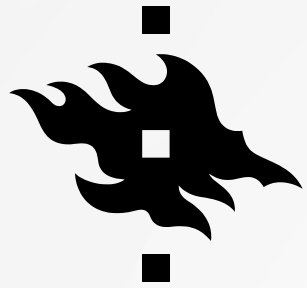
82% of our
research has
world-leading or
internationally
excellent impact.
Top 3 university
space research
centres in UK

Open Societal
Challenges:
Tackling
Inequalities,
Living Well,
Sustainability.
OU mission:
open to people,
places, methods
and ideas

OU in open
science in EOSC
and beyond,
e.g.: ESCAPE
Science Cluster,
FairSharing,
EOSC-Future

Goals: lead way
for UK
universities;
provide our
unique policy
perspective of
open research &
education;
advocate for
bottom-up
research
community
needs

- 7 geographical sites, 47 research structures with 36 research laboratories, 36000 students, 4 IRCs (International Research Center)
- Ranked 17th French university according to Shanghai ranking 2023
- Currently participating to FAIR-EASE project on data lake and distributed storage aspects. Previously involved in EOSC-Pillar Federated FAIR Data Space development
- Long-standing participation to European projects (76 in FP7 / H2020 / Horizon Europe / Erasmus + and other Commission programs) including 36 still in progress
- Adoption of an open-data policy since 2011
- Interest to host, in the future, EOSC national and/or thematic services
- David Sarramia (representative), Vincent Breton (deputy representative)



UNIVERSITY OF HELSINKI

WITH THE POWER OF KNOWLEDGE – FOR THE WORLD

Finland's largest and oldest academic institution

- Founded 1640
- Multidisciplinary and international academic community of 40 000 people
- 11 faculties on four campuses
- 130 study programmes and 5580 degrees per year
- Over 12 000 publications per year
- Multidisciplinary innovation platforms
- 733 M€ annual turnover
- Values: Truth, Bildung, Freedom and Inclusivity

Motivation to join the EOSC Association:

- An opportunity to become more involved in the development of european level research data infrastructures and research data management services.
- Possibility to apply for eossc project consortia.
- Possibility to participate and contribute to the work of EOSC-A task forces
- Networking and deepening the collaboration with other European universities

Applicants are kindly asked to **leave the room and wait outside** for the General Assembly to vote on the admission of new Members and Observers





Item 03: Admission of new Members and Observers of the Association, incl. short presentation of new organisations



Paper A: New Members and Observers

The General Assembly is invited to admit the Provisional Members and Provisional Observers to become full Members and Observers of the EOOSC Association.

Decision/Open Voting



Item 04:

Interim Report of the President and the Secretary General

Karel Luyben, President, Ute Gunsenheimer, Secretary General, EOSC-A

The Funders Forum

Sylvia Jeney and Aneta Pazik-Aybar, EOSC-A



Paper B: Interim Report



Item 04: Interim Report – Table of Contents

Paper B

The Tripartite Collaboration and Horizon Europe EOSC Partnership

- Tripartite Developments
- National Tripartite Events
- The Horizon Europe Co-Programmed Partnership for EOSC

Working with the INFRAEOSC Projects

- Engaging 2023 Projects
- Advancing the Macro-Roadmap
- EOSC Winter School 2024
- EOSC Opportunity Area Expert Groups
- EOSC Focus
- EOSC Gravity proposal
- EOSC United proposal

Inside the EOSC Association

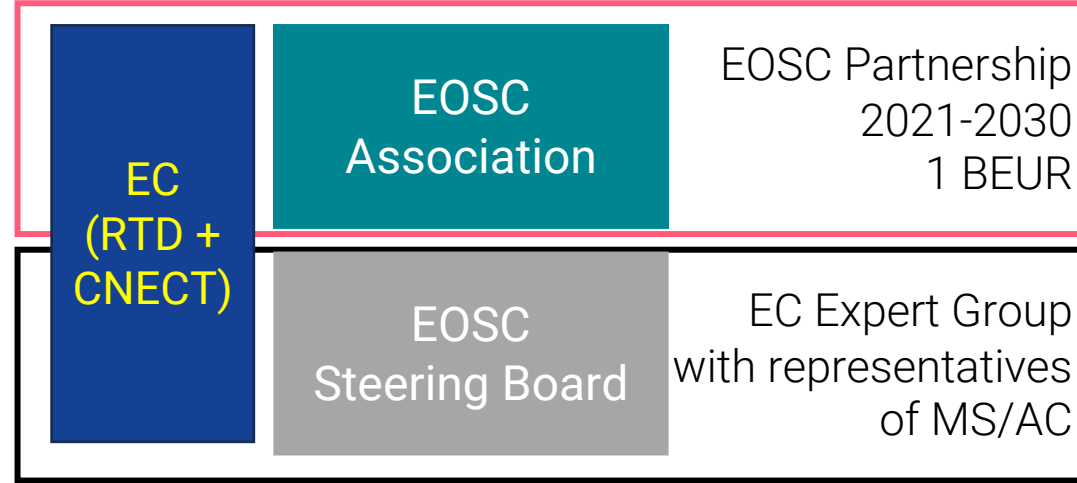
- EOSC-A Board of Directors and Search Committee
- Housekeeping
- Some communications statistics
- Working with the Membership
- Funders Forum Presentation



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Tripartite Governance & EOSC Partnership



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



Tripartite Governance / Re-scoping of 5 Tasks

Paper H – EOSC post-2027: Status and Way Forward

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



Task 1: 28 May at 9:30, Item 11 by Spiros Athanasiou



Tripartite Governance / Re-scoping of 5 Tasks

Paper H – EOSC post-2027: Status and Way Forward

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Enable OS policies
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Task 2: 27 May at 16:15, Item 09 by Bob Jones

Task 2: 28 May at 10:00, breakout sessions



Tripartite Governance / Re-scoping of 5 Tasks

Paper H – EOSC post-2027: Status and Way Forward

Task

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Tasks 1-5: 27 May at 16:30, Item 10 by Octavi Quintana Trias



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NTE Belgium
16 April 2024
Brussels



eoosc

NTE Croatia
19 April 2024
Zagreb

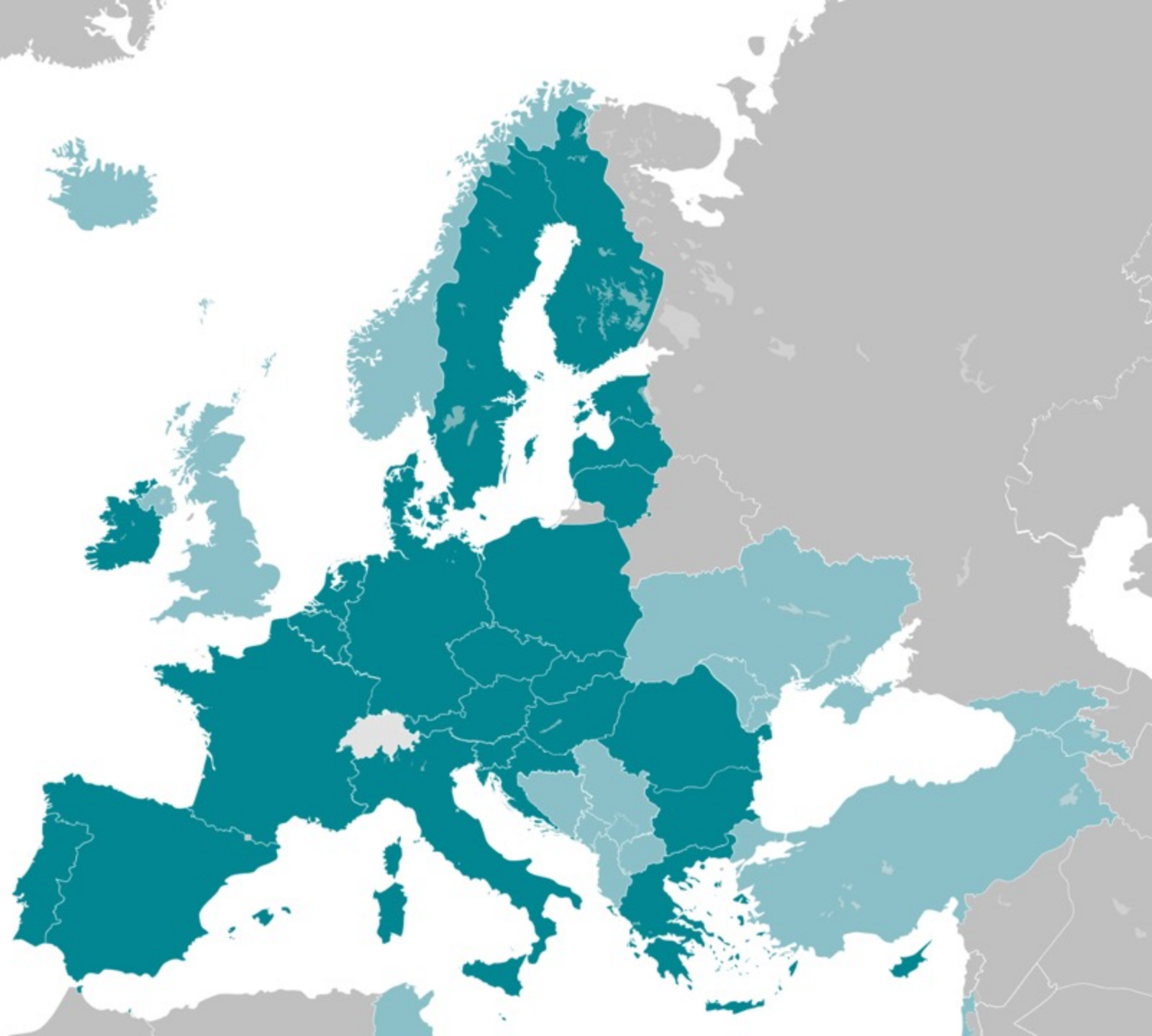
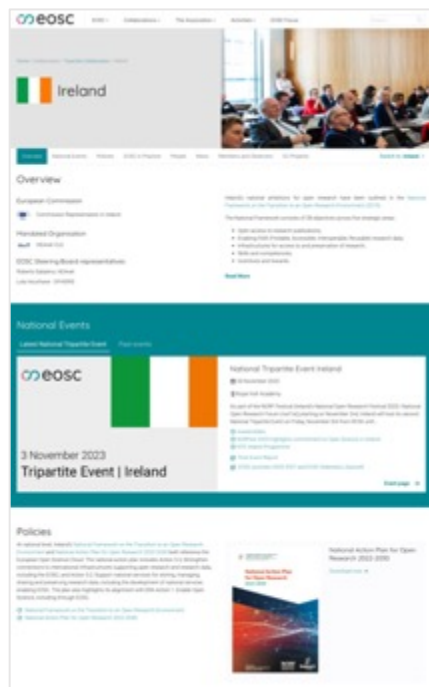


meosc

NTE The Netherlands
22 May 2024
Utrecht



35 country pages



neosc AAP and AAR surveys



Deadline: 30 June 2024

Additional Activities Plan (AAP) 2025 survey

- Provide estimated in-kind contributions foreseen for 2025

Additional Activities Report (AAR) 2023 survey

- Validate actual contributions provided to AAP 2023



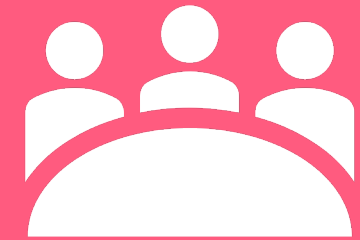
Office hours via Zoom

- Every Thursday between 10:00-11:00 CEST until 30 June

5th meeting of the EOSC Partnership Board
on 6 December 2023

Unanimously agreed were:

- SRIA 1.2 including MAR 2025-2027
- Additional Activities Report (AAR) 2022
- Additional Activities Plan (AAP) 2024
- Full Monitoring Report (FMR)

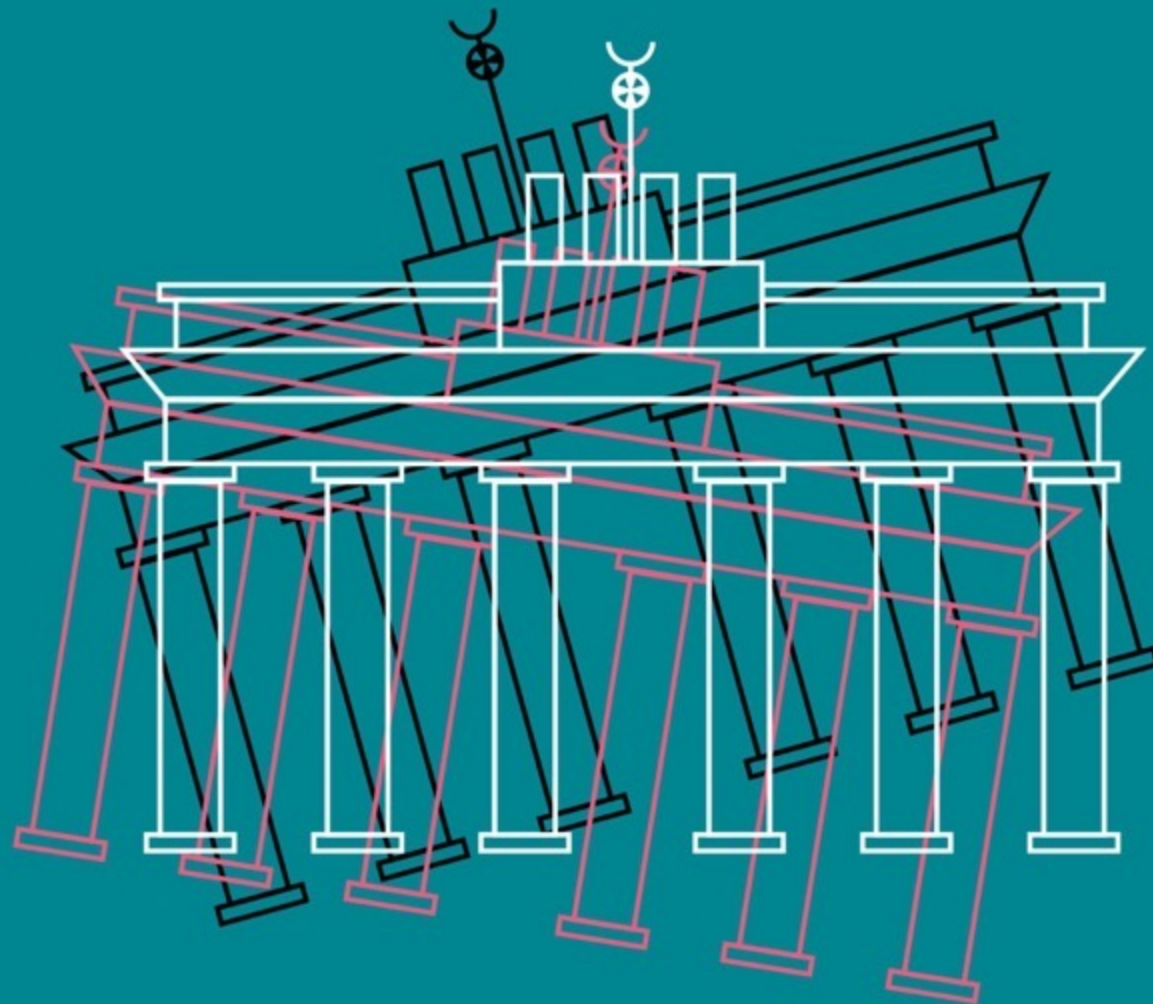


Next meeting
5 July 2023

eosc

EOSC Symposium 2024

21-23 October / Berlin, Germany



eosc.eu | #eoscsymposium2024



In cooperation with

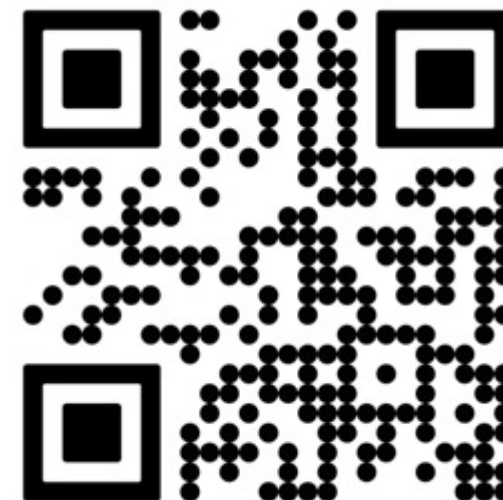




EOSC Symposium 2024

Registration
30 Sep, 17:00 CEST

Call for posters
2 June, 23:59 CEST





Working with the INFRAEOSC Projects



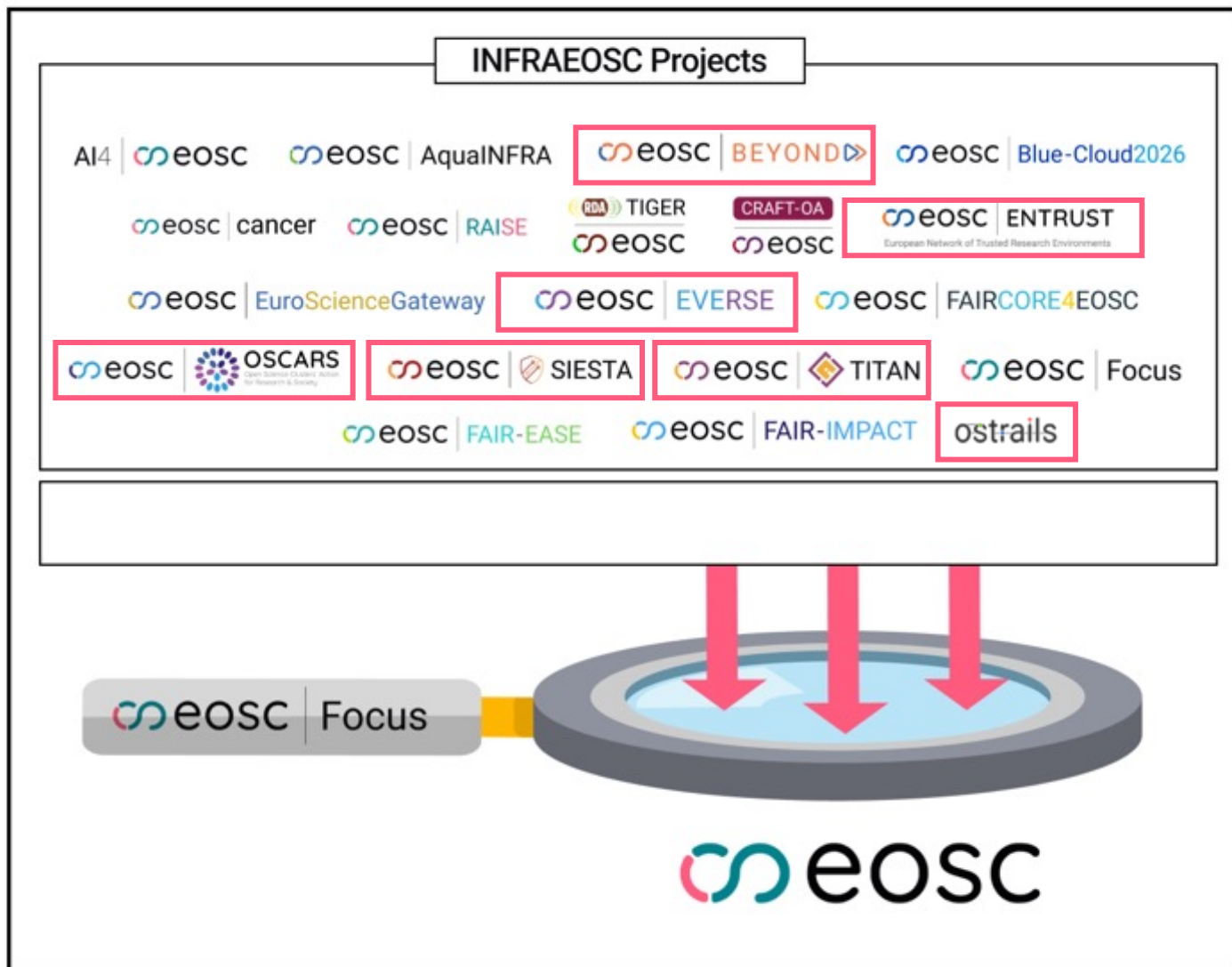
eosc Seven new Horizon Europe INFRAEOSC projects launched in Q1 2024

Item 4: Interim Report
Paper B

EOSC Community - Summer 2021



EOSC Community - 2023/2024





Winter School 2024

29 January - 1 February 2024
Thessaloniki, Greece





Report on the EOSC Winter School

2024

29 January -
1 February 2024

Thessaloniki, Greece



7. Lessons learnt from the first EOSC Winter School and conclusion

The organisation of the first EOSC Winter School as a first attempt with this format yielded satisfactory results indicating progress in the desired direction. It is important to assemble a diverse group comprising members from various EOSC-related projects, EOSC-A Task Forces (TFs), EOSC-A Board of Directors (BoD), European Commission (EC), and other stakeholders to ensure comprehensive perspectives are brought to the table during discussions.

Facilitating the Opportunity Areas, including the HE Impact Group, e.g., with report templates, is essential for capturing results and proper documentation. Additional input from the HE Technology Group, Opportunity Areas and EOSC-A Task Force co-chairs is necessary to translate the outcomes into a work plan. The HE Technology WG has effectively initiated discussions with EOSC-related projects regarding collaborative opportunities. While this shows potential for shaping the development of a unified EOSC, it remains in an early stage of maturity. The HE Impact WG on EOSC Forum has grown from 25 to 48 members after the WinterSchool; a continuous engagement plan is being prepared through EOSC Focus WP4.

An emerging work plan for collaboration among HE EOSC-related projects is underway, albeit requiring further refinement for solid establishment. It is advisable to repeat the Winter School with appropriate adjustments to goals, format, and methodology.

The Coordination Meeting with the EC in mid/end-June 2024 and the 2024 EOSC Symposium in October serve as opportune moments to evaluate the success of the collaborations initiated.

The HE Technology Group remains the primary platform for all EOSC-related projects to participate, ensuring alignment on the facing EOSC's key technical challenges.



16

Wednesday afternoon:

- Case study - evaluating the RAI ID (developed by RAISE) against the EOSC PID Policy
- Validation of the policy with respect to intrinsic PIDs (aimed at authenticity and integrity)

Discussion highlights:

- Holistic alignment on EOSC PID policy update and implementation (from governance, grant proposal to assessment)
- Differences between maintenance of well established PID infrastructures vs emerging PIDs
- Differences/tensions between OPEN and FAIR

Recommendations

- Certification Authority for PID CAT: need for a mandate/authority to take over the certification
- Require PID Policy reference for new projects implementing new PIDs: If new PIDs are planned in project proposals, there should be a reference to PID policy
- Transition period to new EOSC-A designated authority group: formalisation of commitments and responsibilities
- Encourage adoption of community governed sustainable PID infrastructures: Fund and enforce adoption of existing PID systems that are aligned with the EOSC PID policy
- Shifting from creating PID systems to those services built on top of them
- Explore the federation of research graphs, and querying over federated graphs: defining value through use cases (exploiting the potential of PID graphs)



17

3.2 / OA2: Metadata, Ontologies & Interoperability

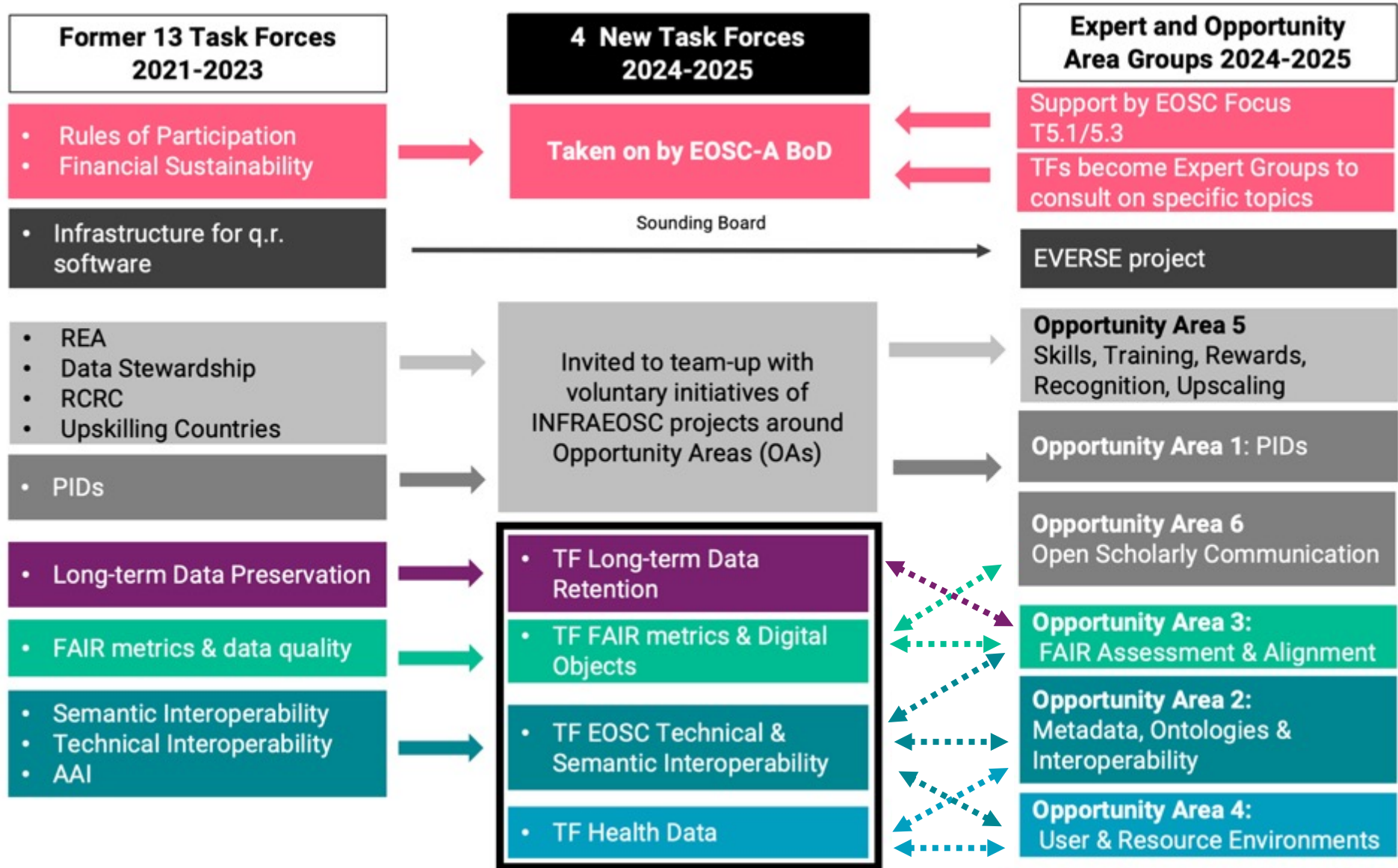
Tuesday afternoon:

- Opportunity Area Matrix: SRIA-challenges covered/not-covered by EOSC-related project activities and examples of solutions.
- Task Force Results: Reference architecture, interoperability profiles, maturity for semantic artefact catalogues, mappings and crosswalks, shared/common use cases.
- SRIA 2.0 and future Task Forces: Task force deliverables and associated recommendations can serve as a conversation starter.



Strategic reconfiguration of EOSC-A Task Forces

EOSC-A Task Forces and Opportunity Areas 2024-2025



Opportunity Area Expert Groups

Strategic Instrument for Collaboration

- Opportunity Area Expert Groups are designed to maximize the impact of HE EOSC-related projects through strategic collaboration and co-creation of outputs with experts from the EOSC-A Task Forces.
- By facilitating collaboration between and outside the projects, which each have their individual objectives, Opportunity Area Expert Groups generate significant added value. They enhance the broader community's ability to solve specific challenges in the development of EOSC, making EU-funded projects more impactful.
- They maintain a dynamic work plan that is continuously adapted to the influx of new projects and members to meet the evolving needs of the EOSC community.
- They are open to members of former EOSC-A Task Forces.

“ *EOSC Focus has so far [made] an active and positive contribution in shaping the future of EOSC... Most importantly, the project has ensured the continuous and tangible growth of the EOSC ecosystem in terms of researchers and initiatives.* ”

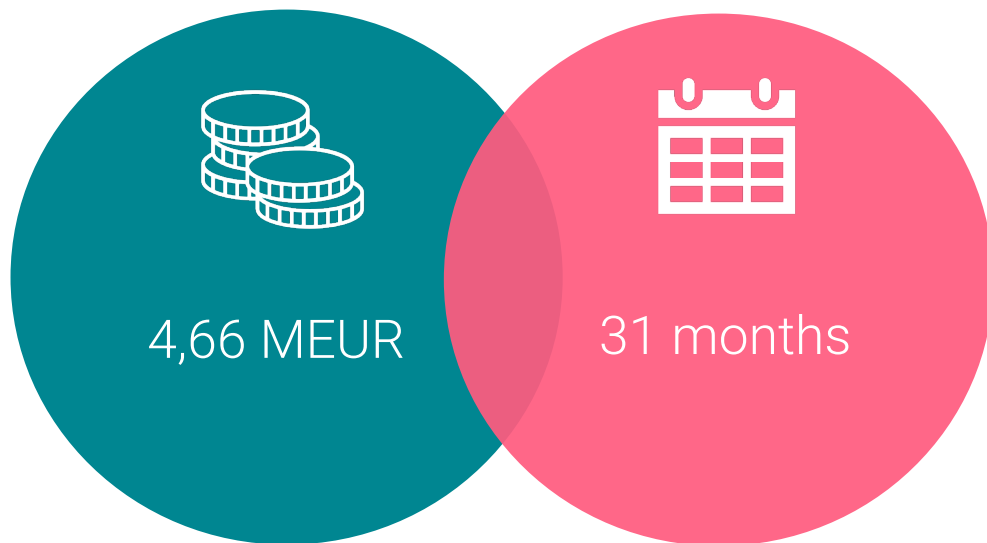
General Project Review by REA, March 2024

- EOSC Association (EOSC-A) | Coordinator | Belgium
- Technische Universität Graz (TU Graz) | Austria
- Technische Universität Wien (TU Wien) | Austria
- Narodowe Centrum Nauki (NCN) | Poland
- Stichting EGI (EGI) | Netherlands
- Belnet Belgisch Telematica Onderzoeknetwerk (Belnet) | Belgium
- Centro de Investigación Ecológica y Aplicaciones Forestales (CREAF) | Spain
- CLARIN-ERIC (CLARIN) | Netherlands
- CSC-Tieteen Tietotekniikan Keskus OY (CSC) | Finland

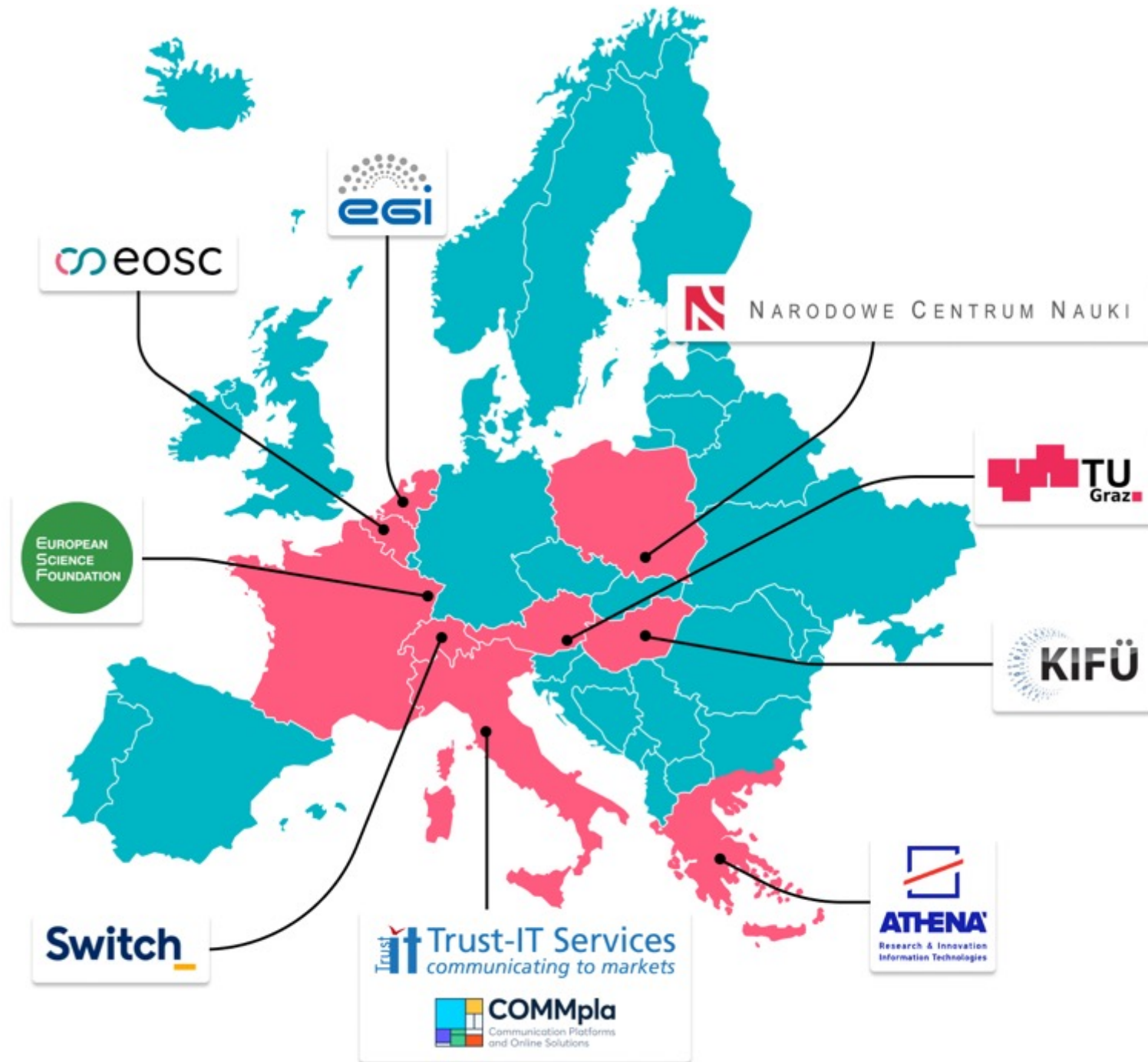


2nd General Assembly
19 April 2024, Brussels,

Supporting the EOSC Partnership in further consolidating the coordination and sustainability of the EOSC ecosystem



Capitalising on the outcomes of the ongoing EOSC Focus project (2022-2025), EOSC Gravity aims to support the **transition of the EOSC Partnership into its new governance and funding framework post-2027**



Mission: Support the Transition of the HE Co-programmed EOSC Partnership into its new Governance and Funding Framework

Obj.1 Evolving the EOSC Federation

Obj.2 Enabling Pan-European Cooperation through Convergence

Obj.3 Enhancing Coordination among INFRAEOSC projects

Obj.4 Empowering EOSC Stakeholders

EOSC Strategy and Reports

- SRIA 2.0 Self-assessment Tool
- 1 SRIA Open Consultation
- SRIA 2.0 Updated
- 1 Multi-Annual Roadmap 2027-2028
- 1 Long-term Sustainability Model
- 1 EOSC Federation Handbook
- 1 EOSC Impact Assessment Methodology
- 3 Annual EOSC Partnership Reports
- 2 EOSC Project Catalogues

Community

- 1,000 New Community Members
- 4 EOSC Task Forces
- 3 Inter-project Working Groups
- 1,500 EOSC Forum Users
- 10 National EOSC Nodes
- 5 Thematic EOSC Nodes

EOSC Facilities

- 2 Inter-project Open Calls
- 1 Geo-engagement Open Call
- 1 EOSC Academy
- 2 EOSC Project Catalogues
- 1 EOSC Node Explorer

Outreach

- 3 EOSC Symposia
- 2 EOSC Winter Schools
- 10 Webinars
- 6 Task Force Public Workshops
- 6 Training Events
- 31 EOSC Newsletters
- 15+ Third Party Events
- 15 Interviews & Videos
- 20 Impact Stories



Pillars

1 EOSC Coordination Framework and Cost Modelling

2 Geo-Engagement

3 Inter-Project Collaboration

4 Comms, Dissemination, Engagement & Events

5 Monitoring, Reporting & impact

6 EOSC Task Forces Strategy & Management

7 Project Coordination



United



CSA
3 MEUR
lump sum

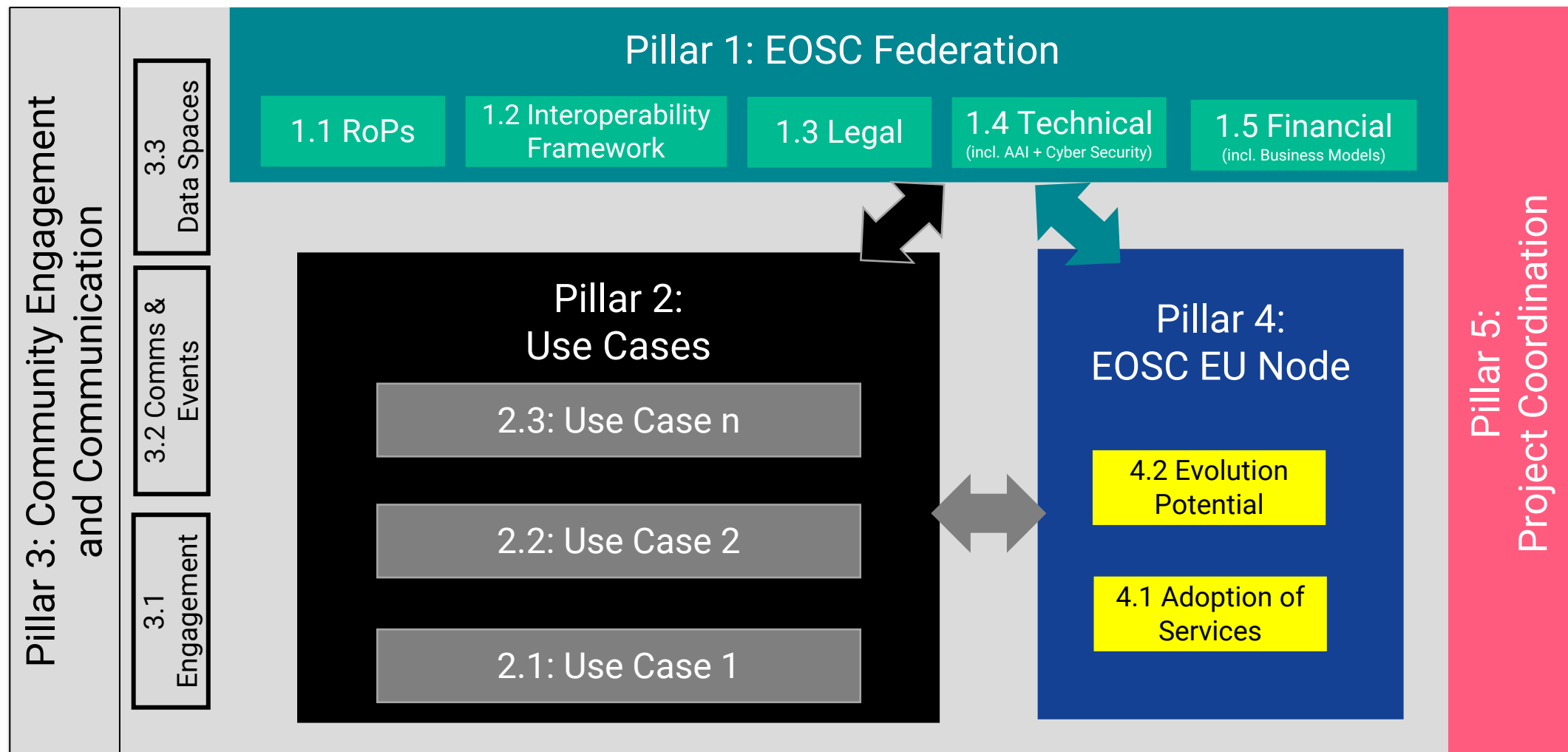


13 June –
19 Sep 2024



EOSC United / Draft Work Plan

5 Pillars – EOSC-A to lead on Pillars 1 + 5





Inside the EOSC Association



EOSC-A Board of Directors



Karel LUYBEN
EOSC-A President, 2023-2025



Marialuisa LAVITRANO
EOSC-A Vice-President, 2024-2026



Klaus TOCHTERMANN
EOSC-A Treasurer, 2024-2026



Ignacio BLANQUER
EOSC-A Director, 2023-2025



Suzanne DUMOUCHEL
EOSC-A Director, 2024-2026



Sara GARAVELLI
EOSC-A Director, 2022-2024



Bob JONES
EOSC-A Director, 2022-2024



Sarah JONES (in
memoriam)
EOSC-A Director, 2023-2025



Wilhelm WIDMARK
EOSC-A Director, 2022-2024



oeosc

Sarah Jones
1981 - 2023

eosc EOSC-A Board of Directors Search Committee



Ronan Byrne, who is the current CEO of HEAnet, was a member of the EOSC-A Board of Directors until 2021. Ronan has a deep understanding of the foundations of EOSC and is a member of the Irish Government's National Open Research Forum, which drives Open Science policy in Ireland.



Lidia Borrell-Damian is the Secretary General of Science Europe and former Director for Research and Innovation at the European University Association. Lidia is fluent in both national-level research funding and the researchers and institutional stakeholders it supports.



Stefan Hanslik is the current Austrian delegate to the EOSC-Steering Board as well as the governing board of the EuroHPC Joint Undertaking. Stefan also serves as ESFRI's e-IRG chair, and possesses a broad overview of the EOSC ecosystem and Open Science policy landscape in Europe.

Housekeeping and preparing for the future

Implementing GA#7 Decisions

Implementation of GA#7 Decisions

- Update of member database (appointment of Deputy Delegates / Representatives)
- Production of quarterly Financial Reports
- Establishment of an internal working group to understand the Pillar Assessment requirements
- Transition to MS Teams and Sharepoint





Total
page views

93,3k



Unique
visitors

39,5k



Total
visitors

47,2k



File downloads
(not incl. Zenodo)

5,8k



News & events
pages views

22,5k

24%
of total
page views



Symposium-related
pages views

11,8k

13%
of total
page views



Task Forces-related
pages views

11,2k

12%
of total
page views



Winter School-related
pages views

6,2k

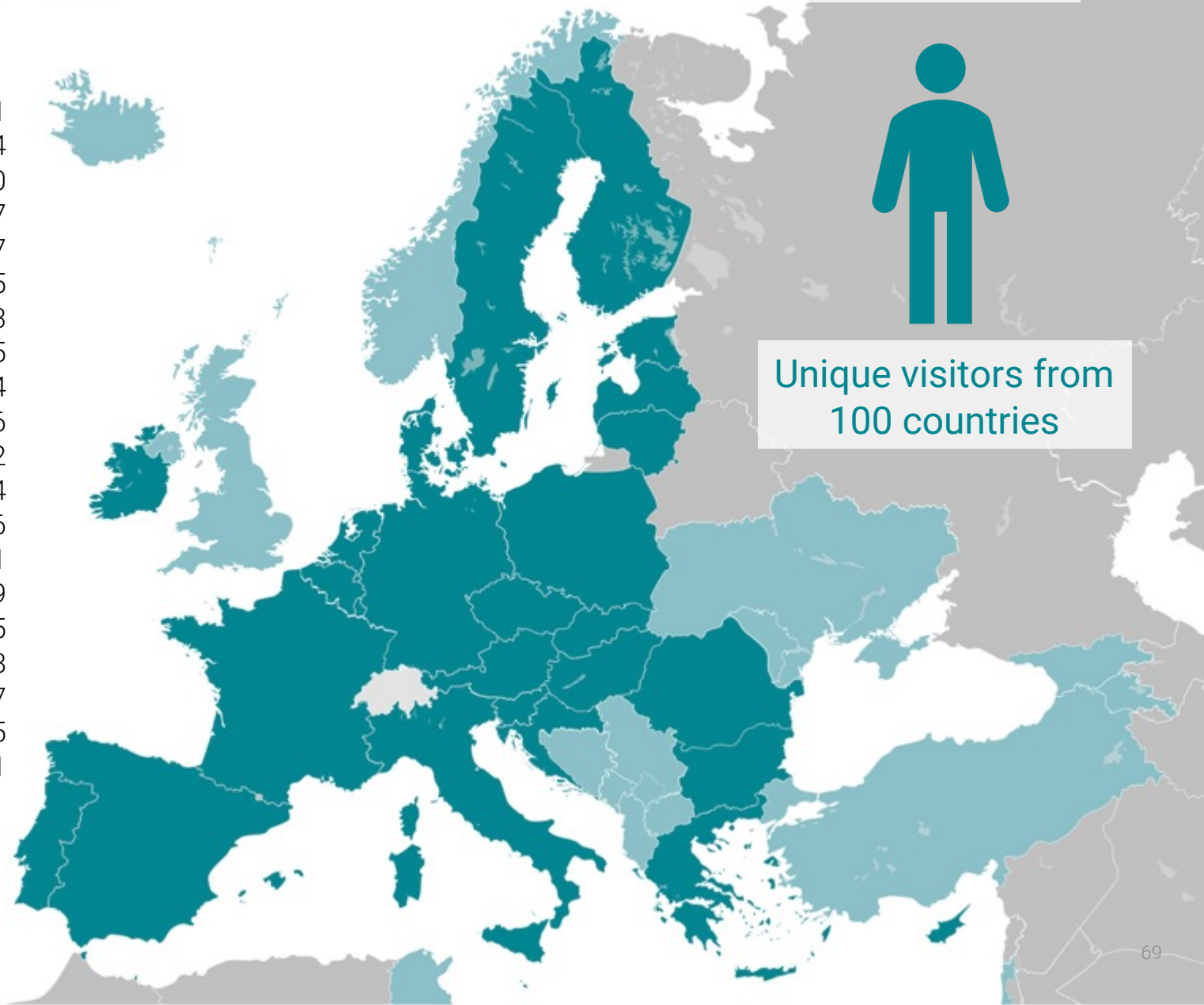
7%
of total
page views

Visitors per country, 17 January – 20 May 2024

Germany	6350	Türkiye	241
Italy	2951	Ukraine	224
Belgium	2591	Canada	220
Spain	2305	Latvia	177
France	2231	Luxembourg	177
Netherlands	2087	Serbia	145
United Kingdom	1803	Bulgaria	123
Greece	1654	Lithuania	95
Poland	1357	Cyprus	94
Czechia	1356	Estonia	86
Sweden	1249	North Macedonia	82
Austria	1233	Albania	74
Finland	1220	Georgia	66
Switzerland	1136	Moldova	61
Norway	843	Israel	59
Portugal	610	Malta	35
Slovenia	501	Armenia	28
Denmark	472	Bosnia-Herzegovina	27
Ireland	375	Iceland	25
Romania	346	Faroe Islands	1
Hungary	337		
Croatia	331		
Slovakia	241		



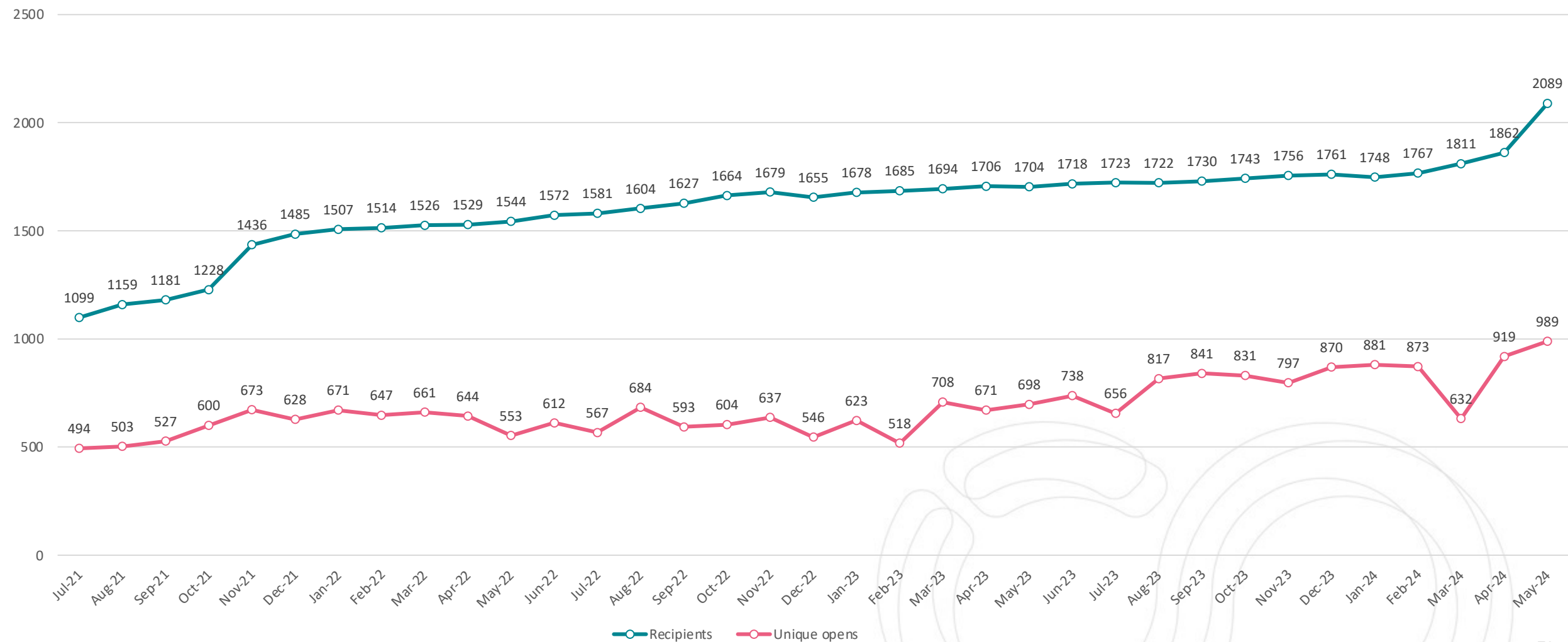
Unique visitors from
100 countries





EOSC-A Newsletter subscribers and unique opens

January 2021 – May 2024





Engaging the Member Base

(Regular) meetings











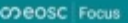









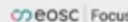

- Mandated Organisations
- ESFRI RI Working Group
- e-Infrastructures Forum
- RPO Umbrella Organisations
- Funders Forum

Mandated Organisations Forum

Item 4: Interim Report
Paper B

Bi-directional role: The EOSC-A Mandated Organisations are gradually evolving into **community hubs** in their respective countries bringing the European-level EOSC developments to their **national contexts**

Interviews with Mandated Organisations

 An interview with York Sure-Vetter Director of NFDI (Nationale Forschungsdaten-Infrastruktur)  Germany 5 January 2024 Challenges and opportunities for EOSC development in Germany: A conversation with York Sure-Vetter →	 An interview with Isabel Díaz Deputy Vice-President for International Cooperation  Spain 28 November 2023 Believing in Open Science: Interview with Isabel Díaz of CSIC →	 An interview with Laurents Sesink Strategic Relations Manager, core innovation teams  The Netherlands 6 November 2023 SURF, The Netherlands, and EOSC development →	 An interview with Paolo Budroni Head of EOSC and International Liaison Office at TU Wien Bibliothek  Austria 28 September 2023 Ready for EOSC: an interview with Paolo Budroni of EOSC Support Office Austria →	 An interview with Anne Sofie Fink' and Anders Conrad' DeiC Head of Data Management DeiC Senior Data Management Consultant  Denmark 4 September 2023 Interlinking EOSC and the Danish national agenda: the Danish e-Infrastructure Consortium →	 An interview with Luděk Matyska General and Chair of ER EOSC-CZ  Czech Republic 11 August 2023 Interview with Luděk Matyska of CESNET, EOSC-A Czech Mandated Organisation →	 An interview with Chris De Loof Innovation Manager Advisor EOSC at Belnet  Belgium 26 June 2023 Interview with Chris De Loof of Belnet, Belgium's EOSC-A Mandated Organisation →
 An interview with Ivan Marić Director of University of Zagreb University Computing Centre  Croatia 29 April 2024 Building a digital infrastructure to advance Open Science in Croatia: Interview with Ivan Marić of... →	 An interview with Anna Krivjanská Head of the Department of International Cooperation  Slovakia 2 April 2024 Laying the groundwork for Open Science in Slovakia: Interview with Anna Krivjanská from CVTI SR →	 An interview with Roberto Sabatino Research Engagement Officer  Ireland 4 March 2024 Building the 'people ecosystem' in Ireland: Interview with Roberto Sabatino of HEAnet →	 An interview with Sumithra Velupillai Senior Research Officer  Sweden 1 February 2024 Boosting OS uptake through collaboration: Interview with Sumithra Velupillai of the Swedish Research Council →			



Re-launched with intense
Node discussion



Engaging Research Performing Organisations



- Outreach via our Members who represent intermediaries in the ecosystem, such as university alliances, networks and funders.
- Kick-off meeting on 22 April 2024



The Funders Forum

Sylvia Jeney, SNSF and Aneta Pazik-Aybar, NCN



The actions and future path of the EOOSC Funders Group

1. What is the EOOSC Funders Group
2. Aims of the EOOSC Funders Group
3. What we did until today
4. Work Plan for the coming months



1. What is the EOSC Funders Group?

Origin

The EOSC Funders Group was established at the end of 2023/beginning of 2024 to streamline and enhance the collaboration among European funding bodies supporting Open Science.

A major emphasis is placed on implementing FAIR principles to ensure that research outputs are easily shareable and usable across the research ecosystem.

Group

Today, the group consists of 27 research funding organisations across Europe.

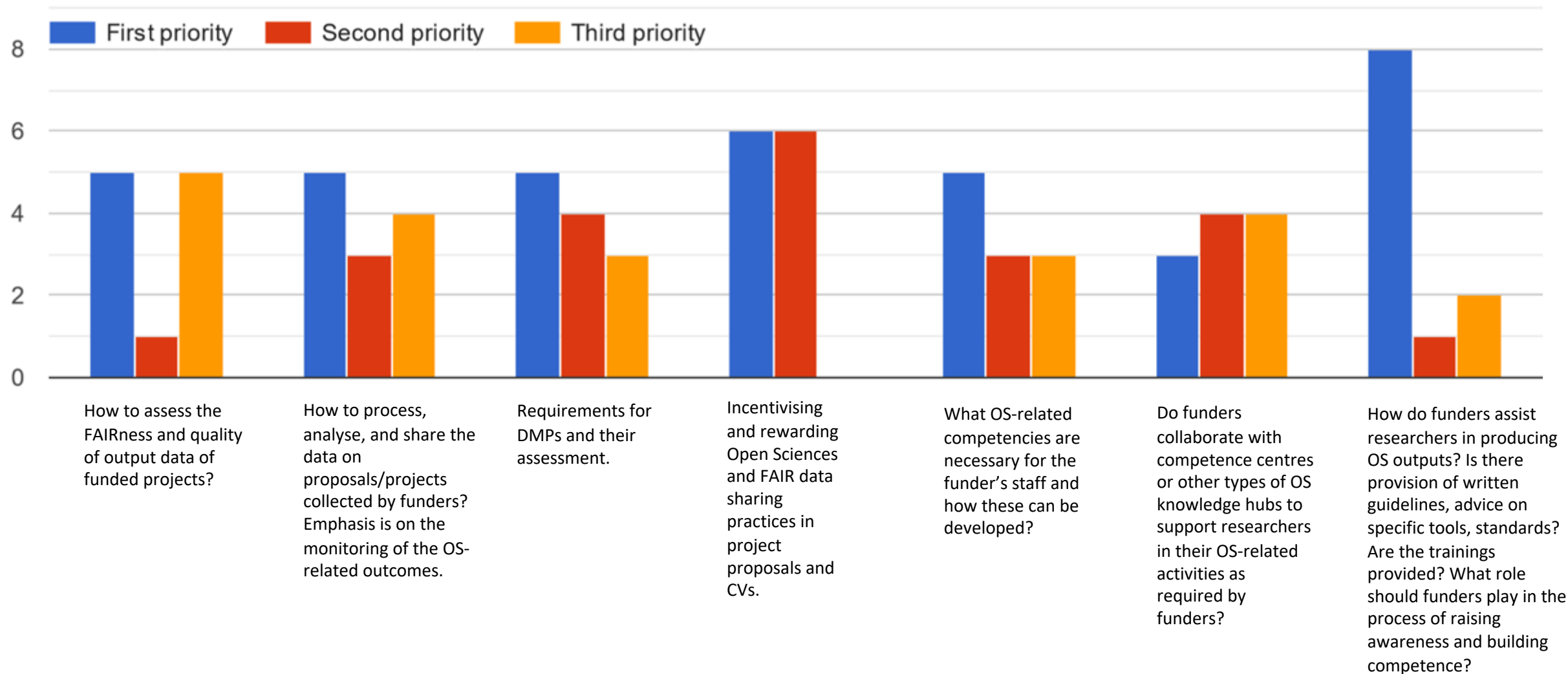
1. What is the EOSC Funders Group

Status Quo

Self-evaluation with the Science Europe Maturity Matrix showed that:

1. The group represents advanced Open Science commitment and engagement,
2. Most of the member organisations established Open Science Policy environments in the last few years and adapted financial structures accordingly,
3. The group has room to increase their efforts in OS training.

What priorities did the group choose to work on in the future?



2. Aims of the EOSC Funders Group

Aims of the EOSC Funders Group:

1. Support Researchers in Producing Research Outputs: The group elaborates on funding bodies' various methods to aid researchers in generating research outputs that follow FAIR principles and FAIR by design principles.
2. Incentives and Rewards for Open Practices: the group explores how funders can motivate and reward the implementation of OS and FAIR data-sharing practices.

3. What we did until today

Three Funders exchange meetings

1. Shared Good Practices to Support Researchers in Producing Research Outputs
2. Discussed FAIRness-Quality of Research Outputs and Assessment of DMPs
3. Discussed the Science Europe Guidelines: “International Alignment of Research Data Management” and “Sustainable Research Data” to streamline actions
4. Discussed EOSC-A Board of Directors inputs on EOSC-Federation and EOSC-Node and FAIR-by-Design principles to streamline actions

3. What we did until today

Three Funders Exchange Meetings - Working Results of the Group

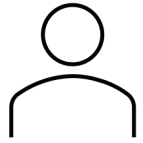
1. **Prioritize Training:** Develop a structured and comprehensive training program focused on FAIR RDM or ROM (research output management) best practices. This should target all relevant stakeholders, including researchers, data stewards, reviewers, etc.
2. **Enhance Research Output Management:** Refine mechanisms and policies for research output management. This could involve developing more detailed guidelines on domain-specific data sharing, preservation, and access to ensure that research data and output in general are sustainable and reusable.
3. **Integrate RDM into Review Processes:** Strengthen the integration of RDM policies into research-awarding mechanisms, ensuring that RDM considerations are embedded within the research funding review processes. Additionally, discuss standards for FAIRness quality check.

4. Work Plan for the Coming Months

Work Plan

1. Collaboration on Training for Researchers and Experts / Reviewers
2. Further Funders Exchange Meetings on (aim 2) Incentives and Rewards for Open Practices: the group wants to explore how funders can motivate and reward the implementation of OS and FAIR data-sharing practices.
3. Further Exploring RFOs Support in Research Output Management

Contact of the EOSC-Funder Group



Sylvia Jeney

Swiss National Science Foundation

sylvia.jeney@snf.ch



Aneta Pazik-Aybar

National Science Centre, Poland

aneta.pazik-aybar@ncn.gov.pl



Support

Julia Priess-Buchheit

Miller International Knowledge/EOSC-Association

julia.priess-buchheit@eosc.eu

meosc

Q&A

Item 05: Annual Accounts 2023 and Discharge of the Board of Directors

Klaus Tochtermann, Director and Treasurer, EOSC-A
Geert Keunen, VRC Auditors



Paper C: Annual Accounts 2023 and
Audit Report



Item 05: Annual Accounts 2023 and Discharge of Board of Directors

Income 2023

Category	No.	Fee in EUR	Amount in EUR
Members full membership	166	10.000,00	1.660.000,00
Members as from GA#6 pro-rated	4	5.833,33	23.333,32
Observers full membership	80	2.000,00	160.000,00
From Observer to member	1	833,33	833,33
Observers as from GA#6 pro-rated	4	1.166,67	4.666,68
EOSC Focus Project			540.531,30
Doubtful debtors 2022			10.000,00
Total			2.399.364,63

Item 05: Annual Accounts 2023 and Discharge of Board of Directors

Profit and Loss Accounts 2023

	31/12/2023	Proposed budget at GA#5 - 2023
1 - Personnel costs	-1.631.644,84	-1.645.000,00
2 - Office costs	-202.424,42	-175.000,00
Office supplies and other costs	-38.366,55	-25.000,00
IT support + License fees	-49.750,95	-30.000,00
Office rent and insurances	-114.306,92	-120.000,00
3 - Financial management	-45.149,42	-40.000,00
Financial and legal support	-40.727,09	-34.000,00
Publication and financial costs	-4.422,33	-6.000,00
4 - Communication costs	-120.064,35	-218.000,00
Communication costs	-107.026,60	-198.000,00
EOSC Focus Communication costs	-13.037,75	-20.000,00
Other EOSC Focus costs	-31.762,50	0,00
5 - Event and Travel costs	-207.378,20	-329.000,00
Costs GA	-89.637,56	-71.000,00
F2F Board meeting	-775,50	-10.000,00
Travel and Representation costs	-74.905,17	-88.000,00
EOSC Focus event and travel costs	-23.802,61	-20.000,00
Task force activities	-18.257,36	-140.000,00
7 - Income	2.399.364,63	2.432.000,00
Membership fees	1.693.333,32	1.680.000,00
Observer fees	165.500,01	162.000,00
EOSC Focus Grant	540.531,30	590.000,00
Contingency 10% on all cost categories	0,00	-240.700,00
Total costs	-2.238.423,73	-2.407.000,00
Total income	2.399.364,63	2.432.000,00
	-	
Result	160.940,90	-215.700,00

Item 05: Annual Accounts 2023 and Discharge of Board of Directors

Annual Accounts 2023 to approve in French (Annex 1) and English only as translation (Annex 2)

ANNUAL ACCOUNTS AND OTHER DOCUMENTS TO BE FILED UNDER BELGIAN COMPANIES AND ASSOCIATIONS CODE

IDENTIFICATION DETAILS (on date of deposit)

NAME: *European Open Science Cloud Association*

Legal form: *International non-profit organization*

Address: *Luxemburgstraat* Nr.: *3* Box:

Postal code: *1000* Municipality: *Brussels*

Country: *Belgium*

Register of legal persons - Commercial court of: *Brussels, French-speaking*

Website address¹: *https://eossc.eu/*

Company identification number

0755.723.931

DATE *08 / 06 / 2022* of filing the memorandum of association OR of the most recent document mentioning the date of publication of the memorandum of association and of the act amending the articles of association.

ANNUAL ACCOUNTS

approved by the general meeting of² *27 / 05 / 2024*

Regarding the financial year from *01 / 01 / 2023* to *31 / 12 / 2023*

Preceding financial year from *01 / 01 / 2022* tot *31 / 12 / 2022*

The amounts for the preceding period ~~are not~~³ identical to the ones previously published

Total numbers of pages filed: *12* Numbers of sections of the standard form not filed because they serve no useful purpose: *6.1.1, 6.3, 6.5, 6.7, 7, 8*

Item 05: Annual Accounts 2023 and Discharge of Board of Directors

Annual Accounts 2023 to approve

EUR 160.940,90 is the result of 2023 and will be allocated as follows:

- EUR 160.940,90 to be carried over to next year.

APPROPRIATION ACCOUNT

	Codes	Period	Preceding period
Profit (loss) to be appropriated(+)/(-)	9906	483.498,24	347.557,34
Gain (loss) of the period available for appropriation(+)/(-)	(9905)	160.940,90	233.154,48
Profit (loss) brought forward(+)/(-)	14P	322.557,34	114.402,86
Withdrawals from capital and reserves	791
Appropriations to allocated funds	691	25.000,00
Profit (loss) to be carried forward(+)/(-)	(14)	483.498,24	322.557,34

Item 05: Annual Accounts 2023 and Discharge of Board of Directors

Auditor's Statement on 2023 Annual Accounts

Report on the annual accounts

Unqualified opinion



We have audited the annual accounts of the Association, which comprise the balance sheet as at 31 December 2023, the profit and loss account for the year then ended and the notes to the annual accounts, characterised by a balance sheet total of € 2.451.422 and a profit and loss account showing a positive result for the year of € 160.941.

In our opinion, the annual accounts give a true and fair view of the Association's net equity and financial position as at 31 December 2023, as well as of its results for the year then ended, in accordance with the financial reporting framework applicable in Belgium.



Item 05: Annual Accounts 2023 and Discharge of the Board of Directors

 Paper C: Annual Accounts
2023 and Audit Report

The General Assembly is invited to:

- Approve the Annual Accounts 2023
(2/3 majority)

5a

Decision/Open Voting



Item 05: Annual Accounts 2023 and Discharge of the Board of Directors

 Paper C: Annual Accounts
2023 and Audit Report

The General Assembly is invited to:

- Approve the discharge of the Board of Directors for the financial year 2023 (simple majority, more than 50%)

5b

Decision/Open Voting



Item 05: Annual Accounts 2023 and Discharge of the Board of Directors

 Paper C: Annual Accounts
2023 and Audit Report

The General Assembly is invited to:

- Approve the discharge of the Auditor, Geert Keunen, for the financial year 2023 (simple majority, more than 50%)

5c

Decision/Open Voting

Item 06: Re-Appointment of Auditor “VRC BEDRIJFSREVISOREN SC”

Klaus Tochtermann, Director and Treasurer, EOSC-A



Paper D: Re-Appointment of Auditor



Re-Appointment of Auditor “VRC BEDRIJFSREVISOREN SC”

Item 6, Paper D



The firm VRC BEDRIJFSREVISOREN BV, having its registered office at 8820 Torhout, Lichterveldestraat 39 A, was unanimously proposed as statutory auditor for a period of three financial years (2021, 2022, 2023) by the Board of Directors in its Formal Meeting on 17 September 2021, and consequently appointed by the EOSC-A General Assembly #3 in December 2021. VRC BEDRIJFSREVISOREN BV designated Geert Keunen, a registered auditor, to represent the firm and carry out the appointment on behalf of the firm. Given the quality of services provided during the initial 3-year period, re-appointment is proposed.

The statutory auditor's fee would amount to EUR 6.700 (excl. VAT) for 2024 and would be subject to annual adjustment on the consumer price index for the following years.



Item 06: Re-Appointment of Auditor “VRC BEDRIJFSREVISOREN SC”



Paper D: Re-Appointment of Auditor

In line with Art. 7.4, the General Assembly is invited to reappoint VRC BEDRIJFSREVISOREN BV and its designated auditor Geert KEUNEN as the statutory auditor of the EOSC Association AISBL.

Decision/Open Voting

Group photos

meosc

Coffee break





Item 07: SRIA 2.0

Karel Luyben, President, EOSC-A



Paper E: SRIA 2.0 Approach



Item 07: SRIA 2.0

Modified indicative timeline 2024



Indicative timeline for SRIA 2.0	
January	Draft Table of Contents
29 January	Discussion with INFRAEOSC projects and former TF Co-Chairs at “Winter School”
February	Identification of chapter owners and drafting the table of content of SRIA 2.0
April	Community consultation on the table of content
July	Update the EC on the status of SRIA 2.0
September-December	Drafting and consultation of SRIA 2.0



SRIA 2.0: Community consultation

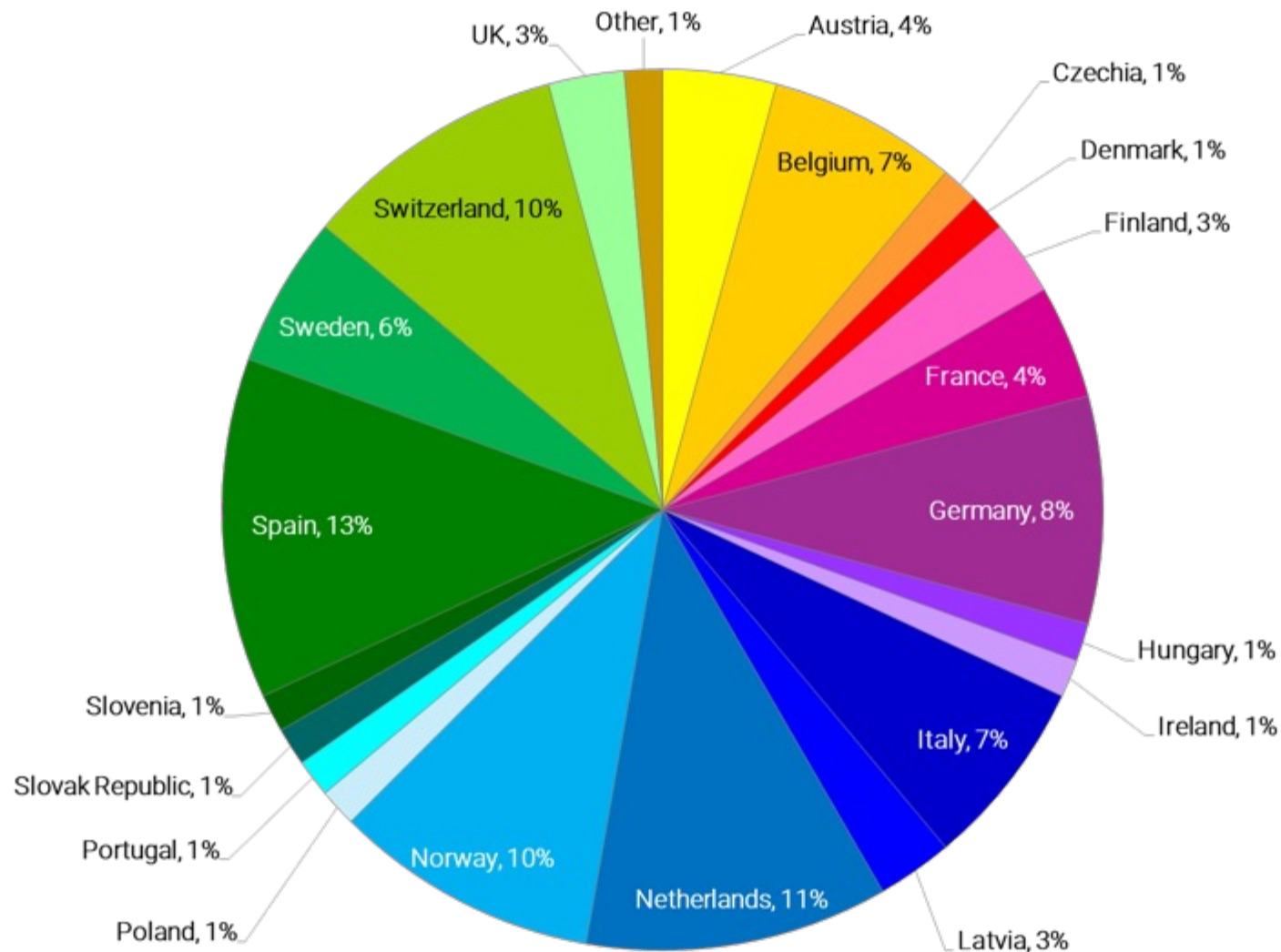
Your opportunity to contribute
to the EOSC Partnership's Strategic
Research & Innovation Agenda

eosc.eu



Online consultation open from 2 April until 5 May 2024

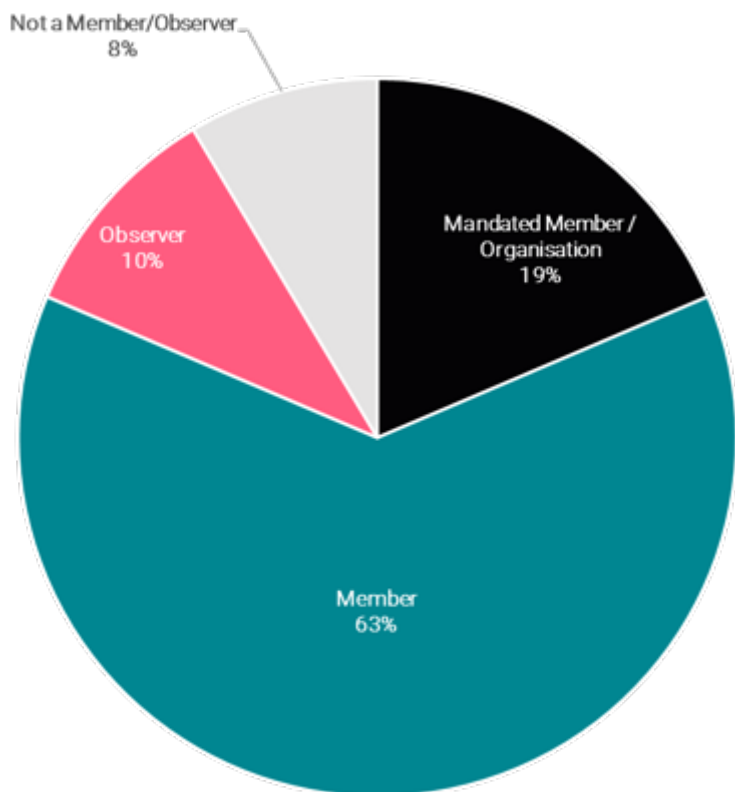
Countries



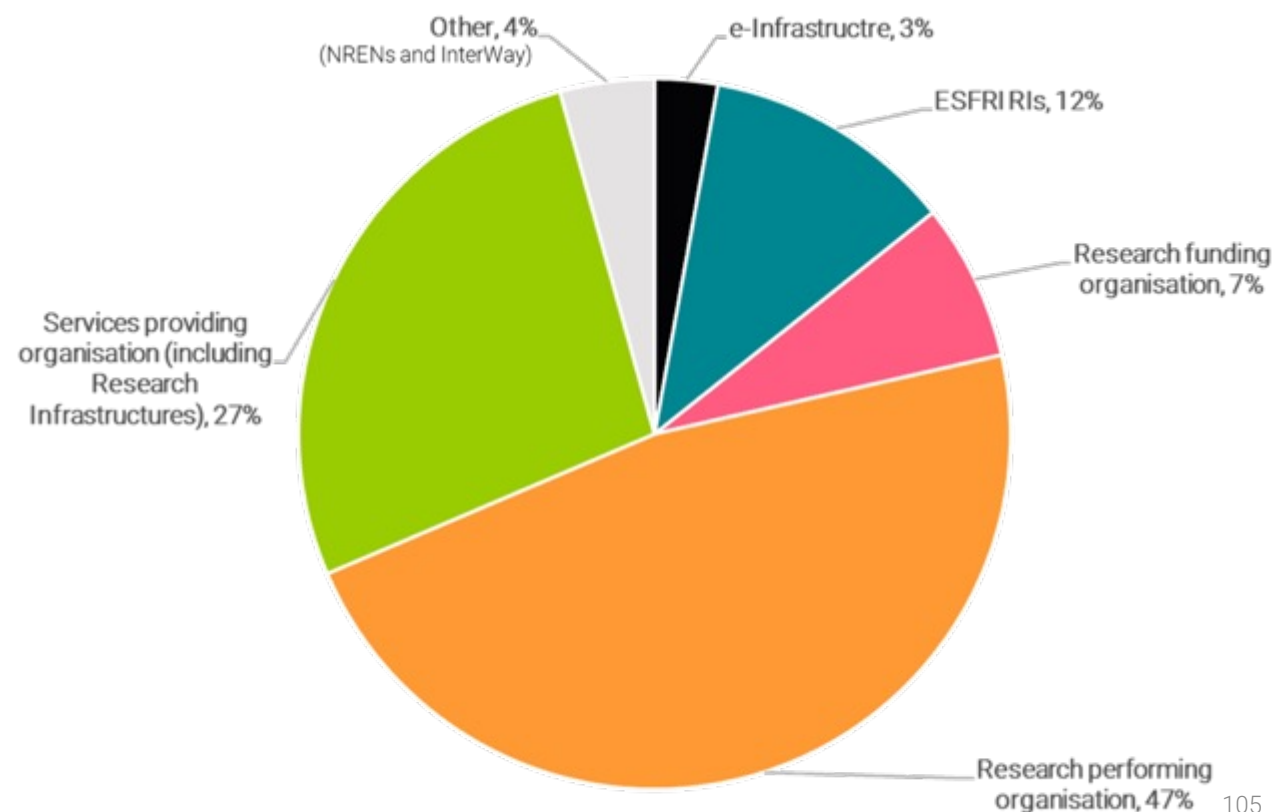
SRIA 2.0 community consultation: Results

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

Relationship to EOSC



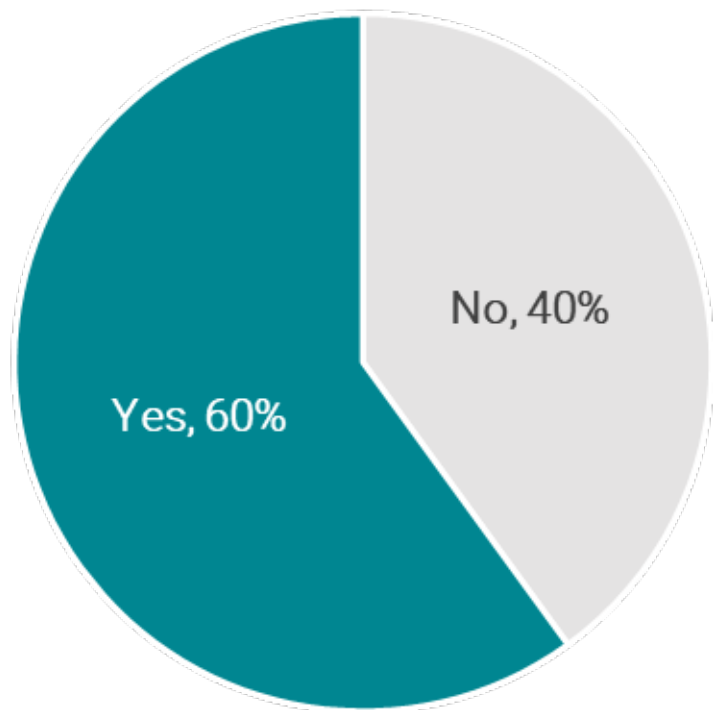
Type of organisation



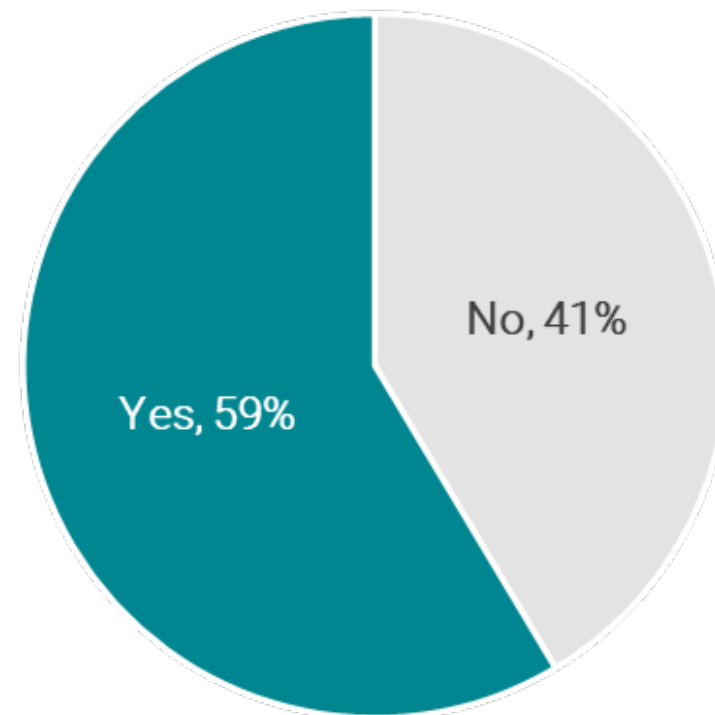
SRIA 2.0 community consultation: Results

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

Involvement in EOSC-related projects under Horizon Europe



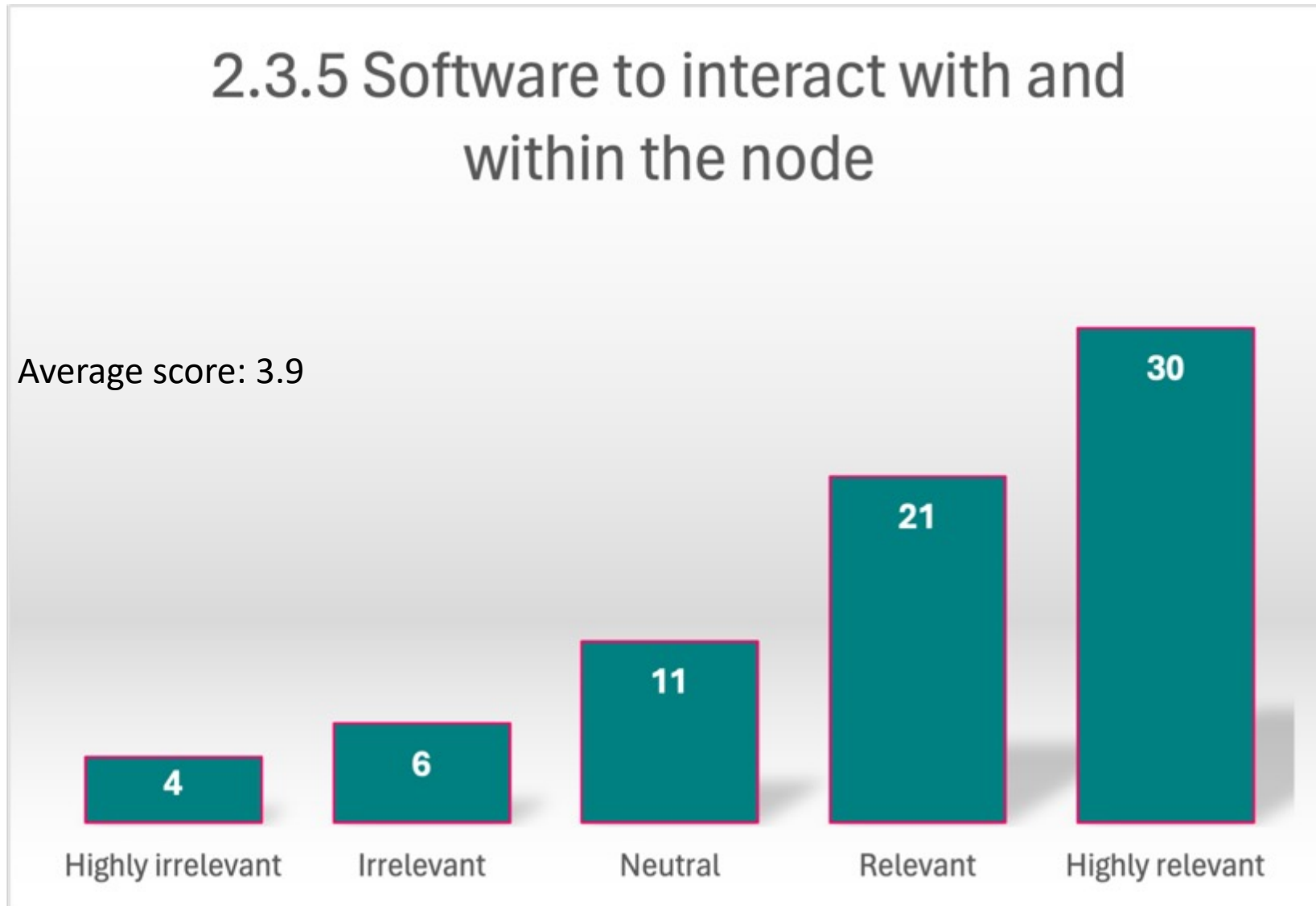
Participation in the previous 13 EOSC Task Forces



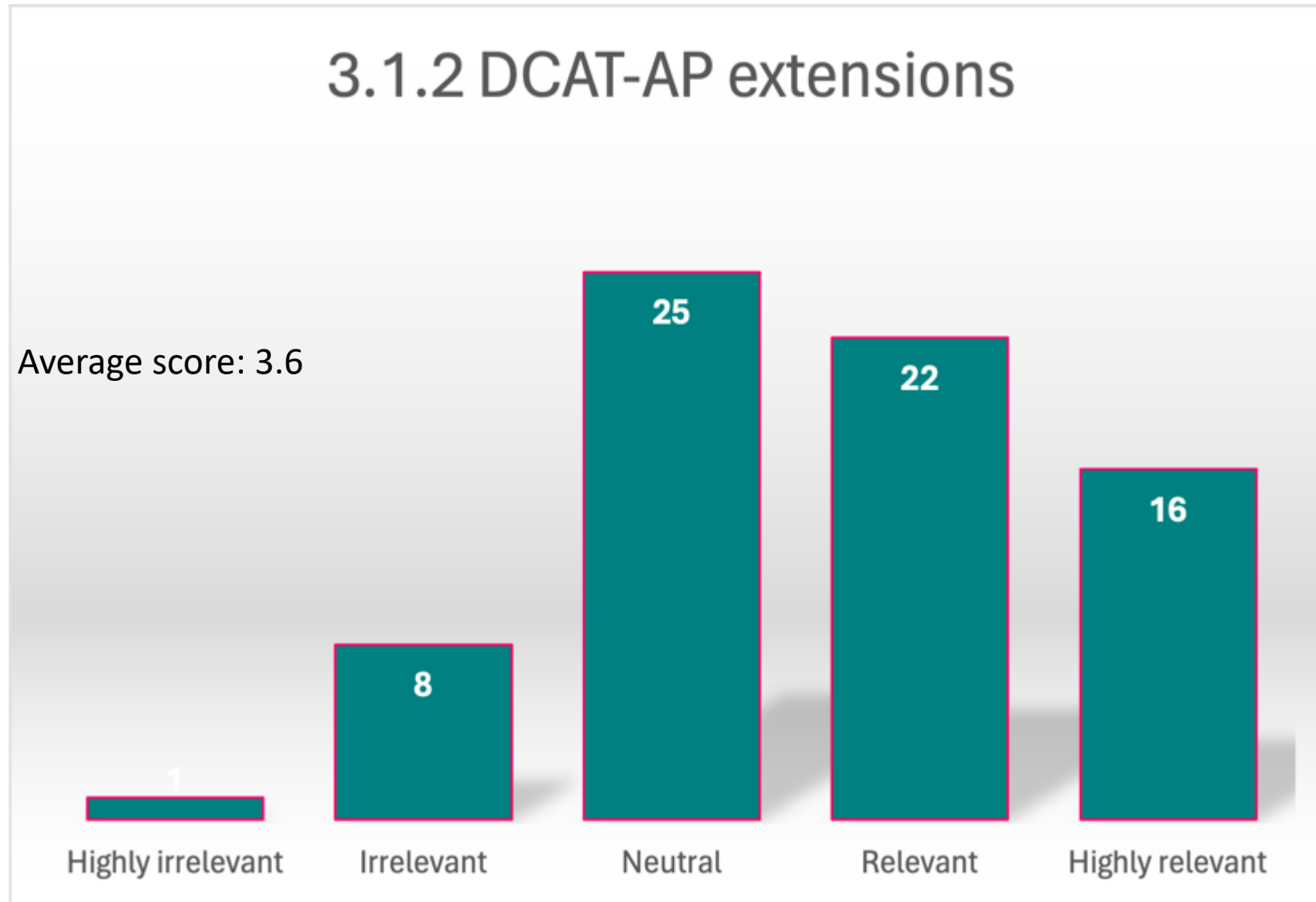
eosc Draft outline of SRIA 2.0

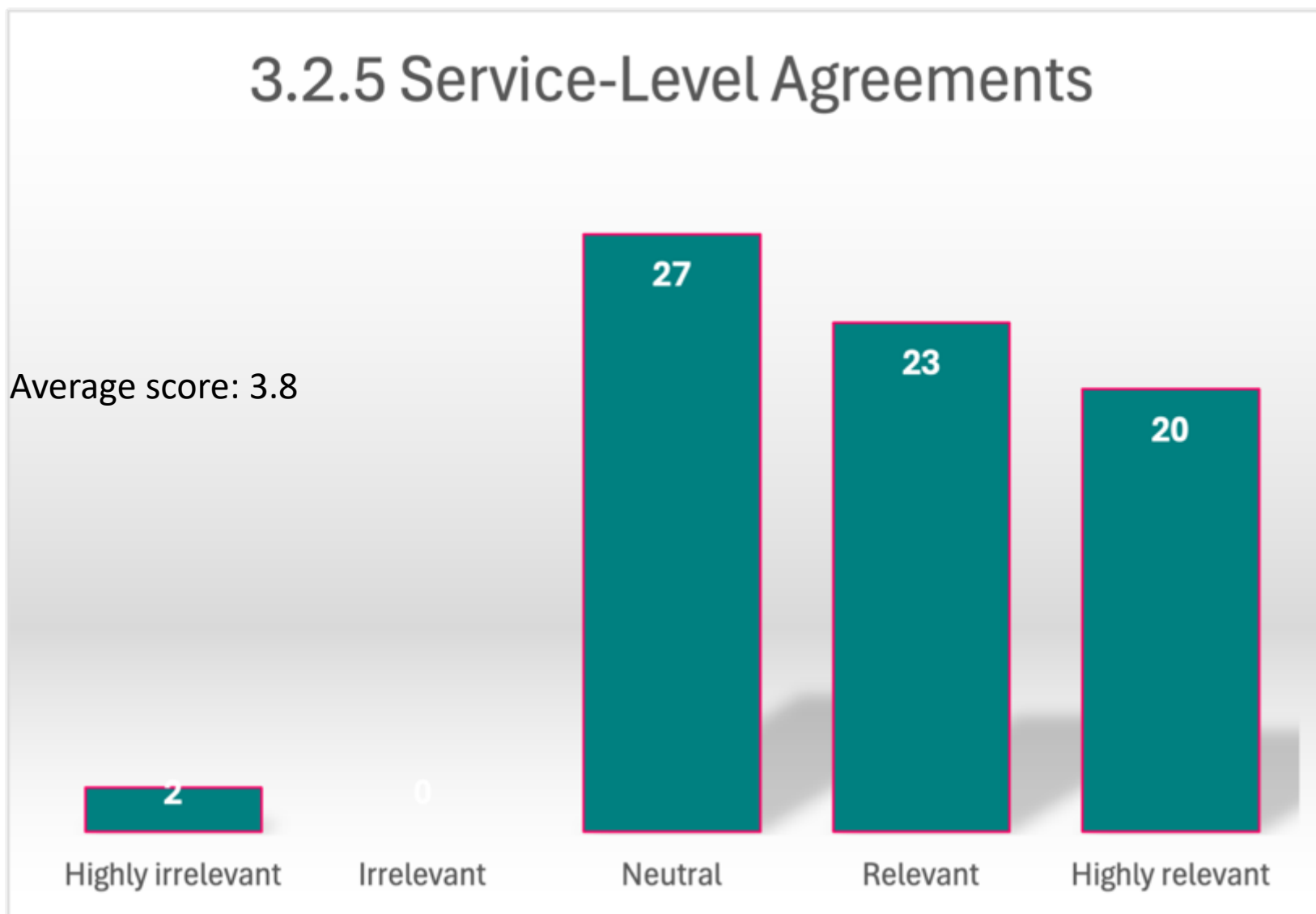
- 1 Introduction
- 2 EOSC description
- 3 Interoperability
- 4 FAIR data and metadata
- 5 AI for FAIR and FAIR for AI
- 6 Services
- 7 Governance
- 8 Roadmap





Some numerical on items (II)





Chapter 1 – Introduction

Key suggestions for consideration noted by respondents include:

- Paint the larger picture; not too many details
- Give a precise description of future of EOSC
- Give the outlook of EOSC for the larger community (public, private, etc.)
- Report on how the current projects address the elements of SRIA v1.
- Keep it short!

Chapter 2 – EOSC description

Key suggestions for consideration noted by respondents include:

- Should be more on the strategy and goals of EOSC than on technical/operational aspects.
- The nodes concept, including the interaction with (e-)infrastructures and EDICs... needs clarification.
- Emphasize that EOSC is more than pure data, also the supporting services are important.
- Elaborate sufficiently how EOSC fits in the ecosystem of Data Spaces.

Chapter 3 – Interoperability

Key suggestions for consideration noted by respondents include:

- Many respondents stressed the need to focus on requirements rather than on implementations and technology for this.
- Several comments addressed the potential ambiguity of some wordings, e.g. the "fair use of data".
- Related to the chapter on governance, a common observation was the need for clear definitions of nodes and a clear description of the relation of pre-existing infrastructures towards the EOSC federation.

Chapter 4 – FAIR data and metadata

Key suggestions for consideration noted by respondents include:

- No neutral FAIR assessment tools/body or specifically developed AI tools for EOSC.
- Existing communities defining FAIR best practices in their domains should be leveraged to establish such governance.
- It would be helpful to define the “EOSC community” explicitly (e.g. how it relates to the nodes).
- SIMPL might already be gone in 2027
- Focus on national level should be given to making the costs of existing data research infrastructures sustainable in order to retain experienced highly skilled data stewards.
- Thoughts on the process or criteria to be adopted for generic and community (metadata) standards should be described.
- Reusing ROs requires an appropriate infrastructure for collecting contextual info through the scientific workflow. This part is missing.

Chapter 5 – AI for FAIR and FAIR for AI

The main decisions required for the AI chapter are:

- Whether to continue it as a chapter in its own right, or whether to incorporate it within the other chapters
- At what level of detail to address AI: should comments remain relatively general so as to “future-proof” them against the rapid evolution of AI?

Chapter 6 – Services

Key suggestions for consideration noted by respondents include:

- Add a mention of Service Catalogues and how these can facilitate the classification of services and the identification of their commonalities and interoperability;
- Draw attention to sustainability challenges of services developed by RIs in projects but lacking post-project development support
- Clarify better what is meant by EOSC horizontal services, their definition and scope
- Distinguish better between thematic and regional services, clarify potential overlaps
- Stick with the term “Research Outputs” as is used in the MAR rather than “Digital Objects”
- Add a mention of innovation services stemming from pan-RI “economic activities”
- Cite measures to help strengthen value and impact of EOSC services - SLAs, cost books, quality assurance, pan-EU collaboration services, in-kind coordination; etc.

Chapter 7 – Governance

Key suggestions for consideration noted by respondents include:

- Explain how research communities/RIs/ERICs will be involved in the governance, and also the value EOSC brings to communities.
- Describe the dynamic between communities, the EC, the EOSC Association and the Member States.
- Explain how national strategies will be coordinated to contribute to EOSC.
- Address how EOSC and Data Spaces, and their funding, will interact and co-exist.
- Include description of EOSC in the global context.
- Describe the EOSC Nodes “system” and its relationship to the EOSC governance.

eosc SRIA 2.0 – Next steps

Item 7: SRIA 2.0
Paper E

- 1) Consensus between EOSC-A and the European Commission
- 2) Targeted consultations on draft texts with relevant groups:
 - EOSC-Steering Board expert group,
 - Research Infrastructures
 - EOSC-A membership
 - Horizon Europe INFRAEOSC projects
 - Others
- 3) Submission for approval to the Partnership Board
- 4) Mature draft delivered by end of 2024



neosc

Q&A

Item 08: The EOSC Brain Pool – Task Forces, Expert Groups, Opportunity Areas Groups

Ignacio Blanquer, Director, EOSC-A



Paper F: Process and result of rescoping
the EOSC-A Task Forces



EOSC-A Task Forces (2021-2023)



Metadata and data quality

- FAIR Metrics and Data Quality Task Force
- Semantic Interoperability Task Force
- PID Policy and Implementation Task Force (PID TF)



Research careers and curricula

- Data Stewardship, Curricula and Career Paths Task Force
- Research Careers, Recognition and Credit Task Force
- Upskilling Countries to Engage in EOSC Task Force
- Researcher Engagement & Adoption Task Force (REA TF)



Sustaining EOSC

- Financial Sustainability Task Force
- Rule of Participation Compliance Monitoring Task Force (RoP TF)



Technical challenges

- Authentication and Authorization Infrastructure Architecture Task Force
- Infrastructures for Quality Research Software Task Force
- Technical Interoperability of Data and Services Task Force
- Long-Term Data Preservation Task Force



394 experts
28 Chairs



26 deliverables
published and 3
more under review



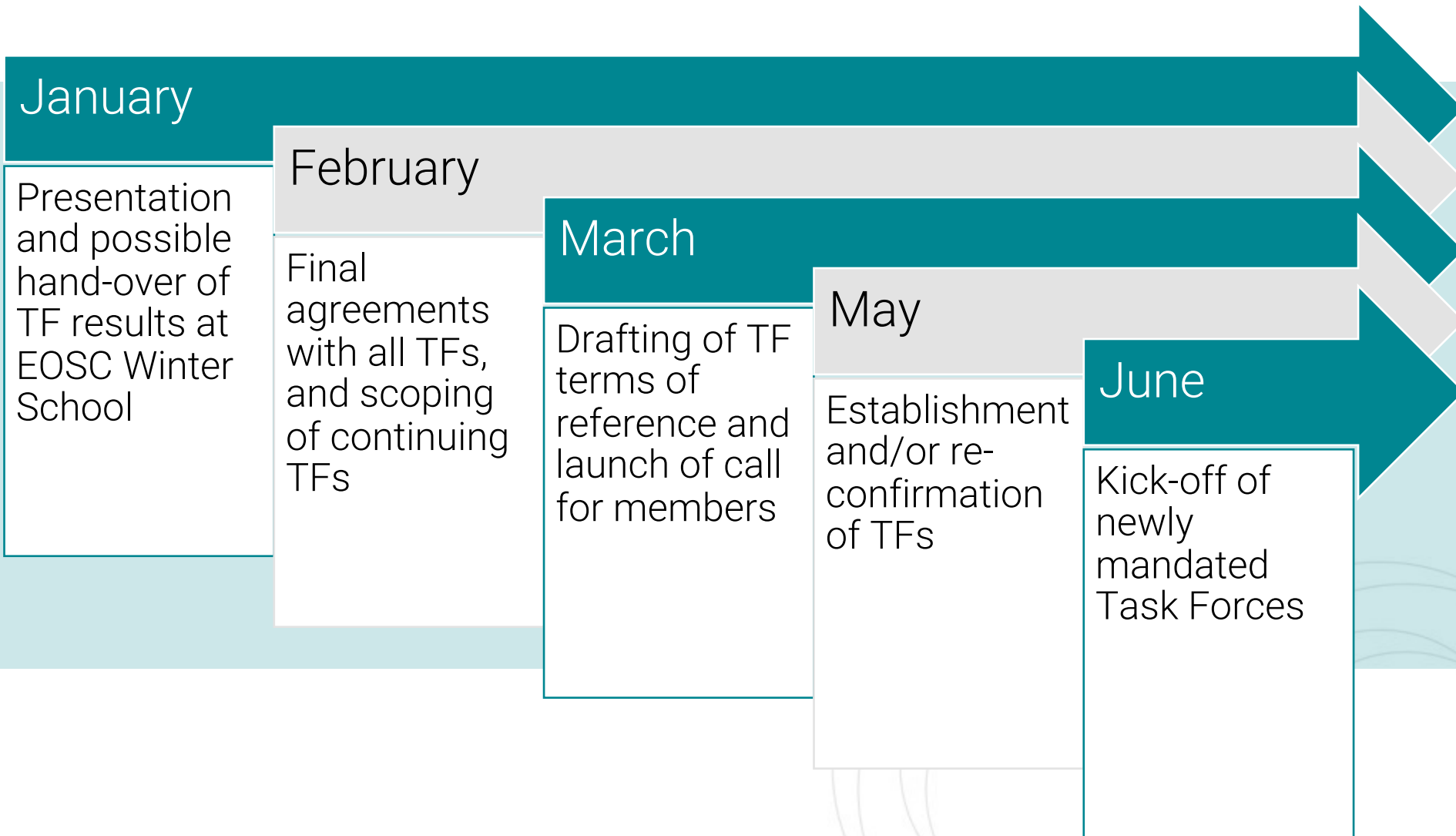
Wide
dissemination
of results

Thank you!



Plan presented in November 2023

Reconfiguration of Task Forces



Task Forces vs Opportunity Area Groups



EOSC-A Task Forces

Chaired by EOSC-A members

2-year duration

Well-defined workplan

Advises the EOSC-A Board of Directors



Opportunity Area Working Groups

Chaired by INFRAEOSC Project

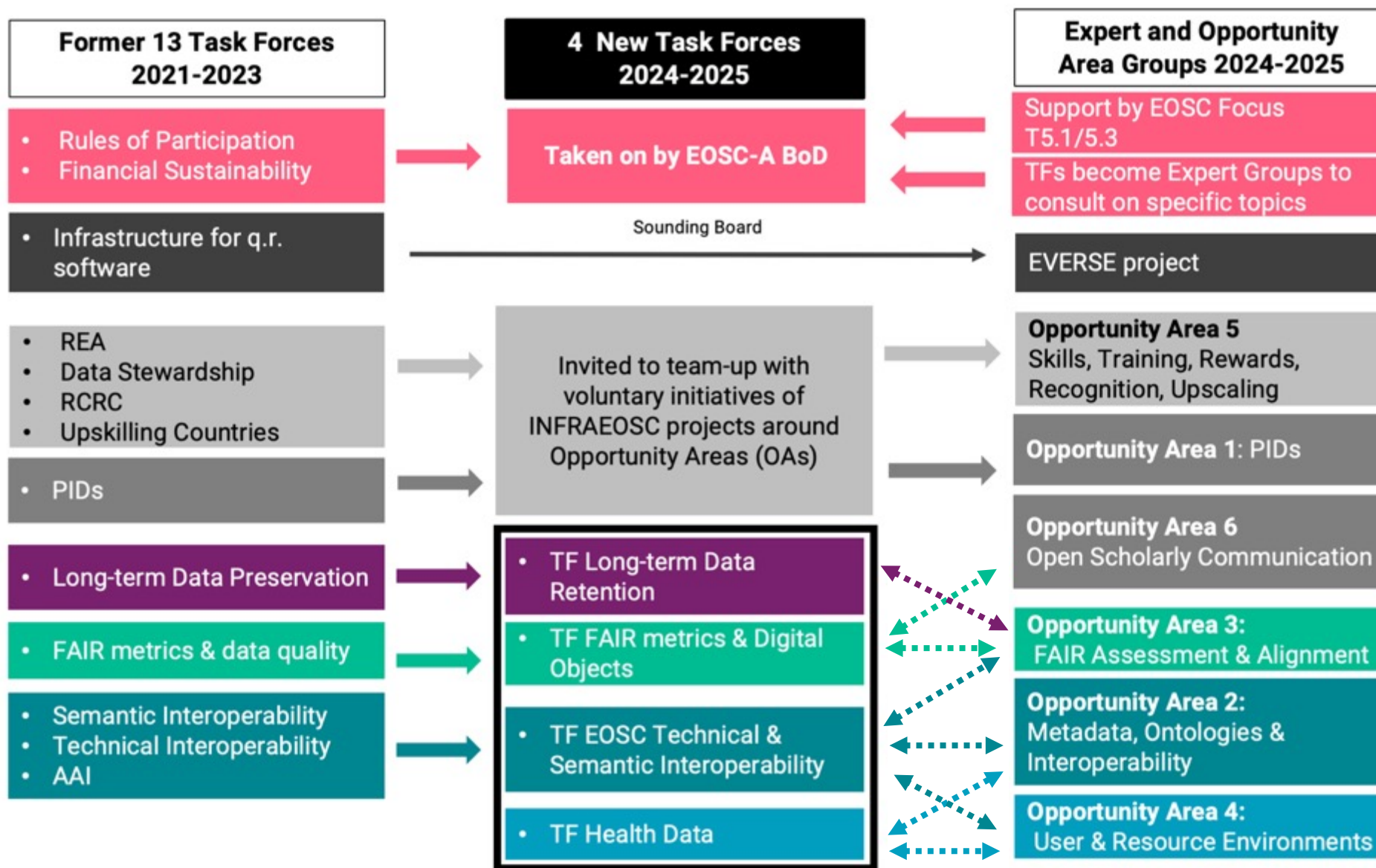
Longer duration

Agreed common actions

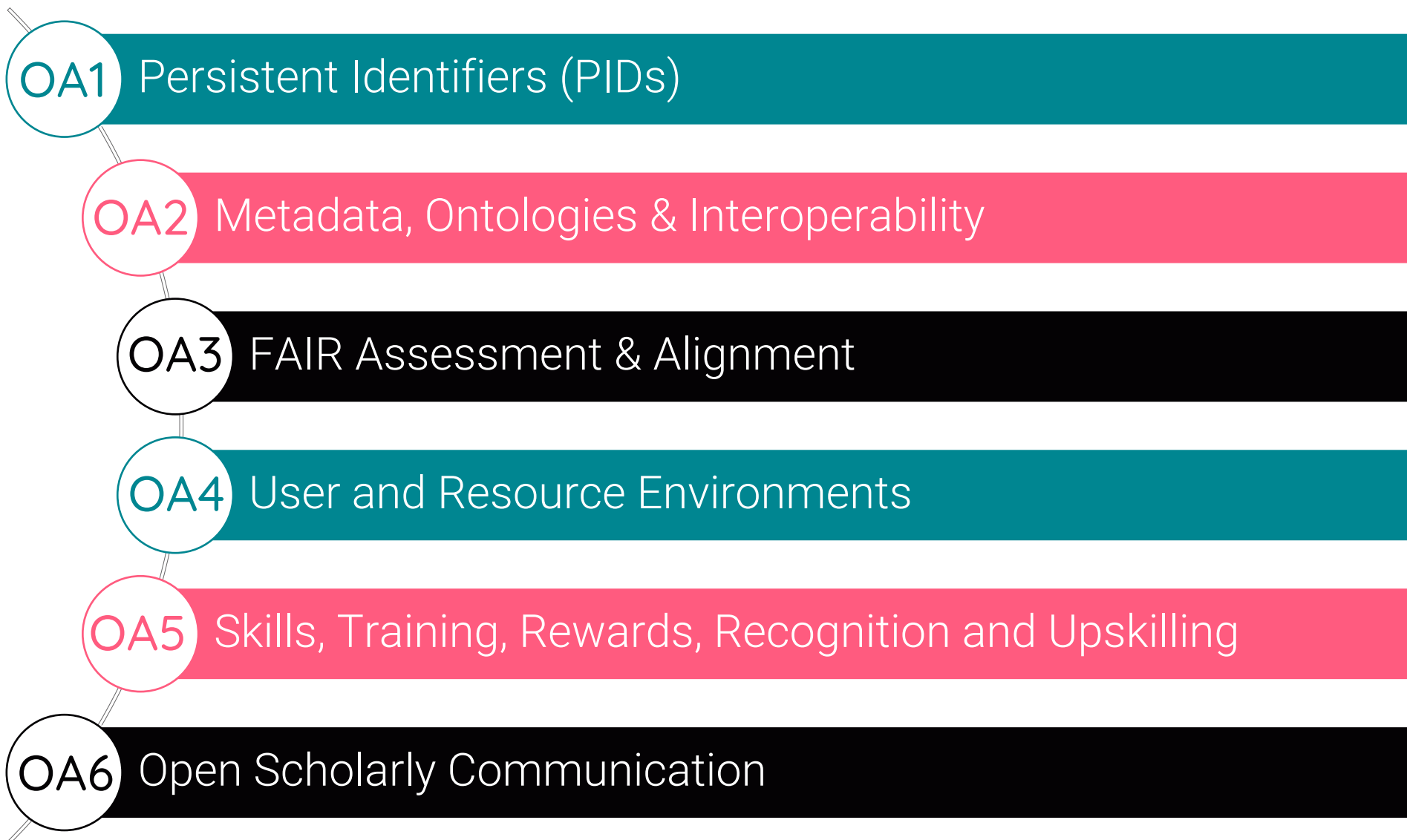
Advises projects on common strategic calls

Strategic reconfiguration of EOSC-A Task Forces

EOSC-A Task Forces and Opportunity Areas 2024-2025



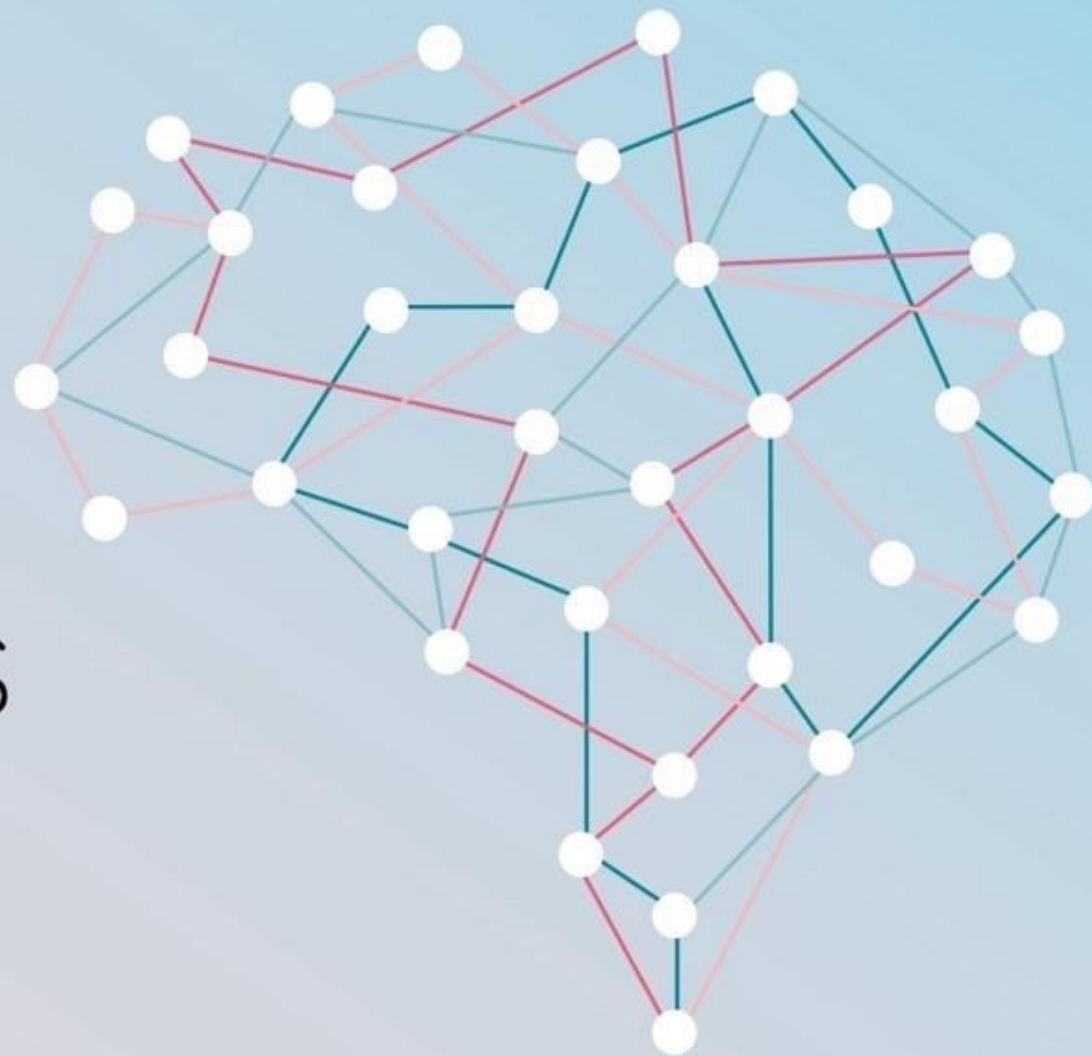
Opportunity Area (OA) Groups



Open call for EOSC-A Task Force members

- FAIR Metrics and Digital Objects
- EOSC Technical and Semantic Interoperability
- Long-term Data Retention
- Health Data

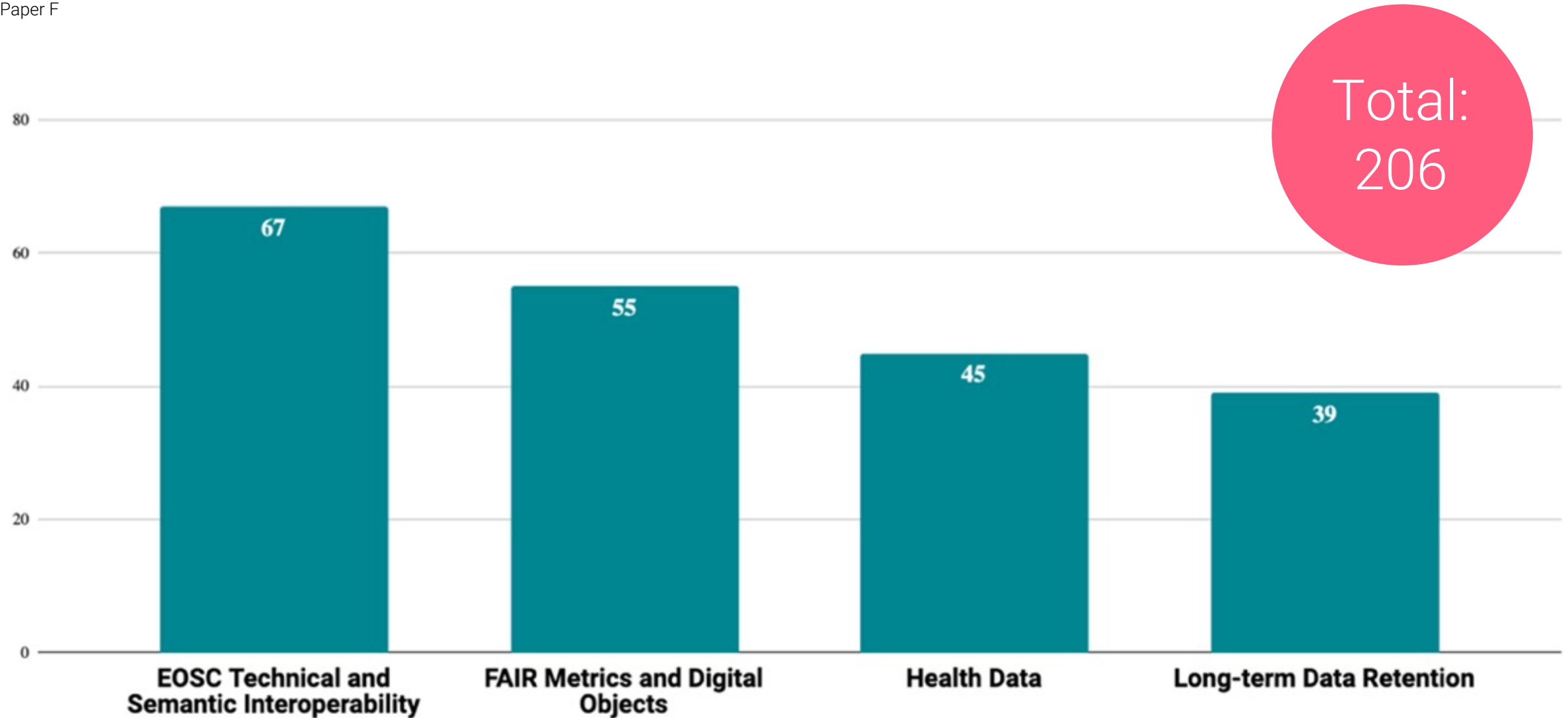
eosc.eu



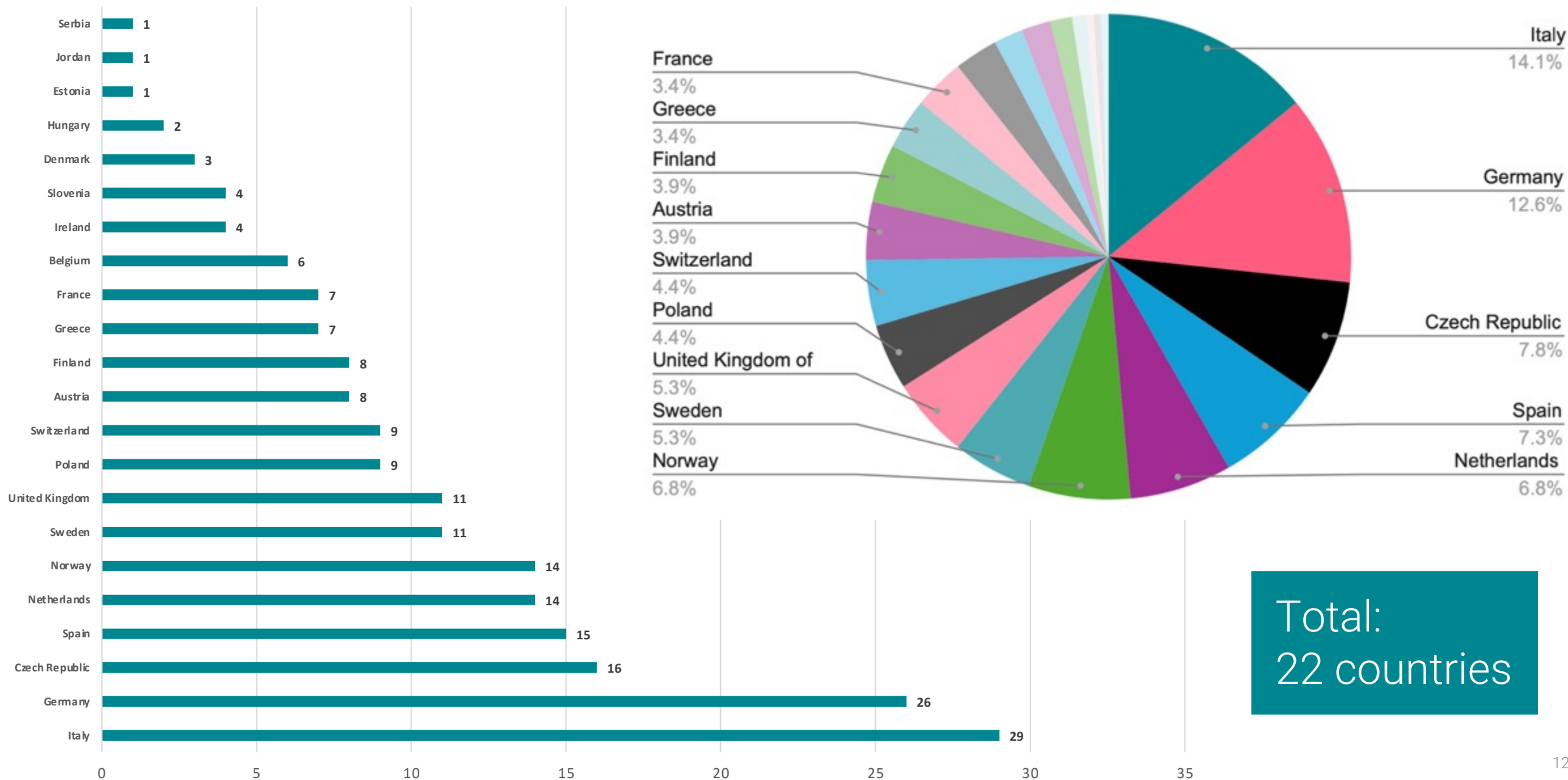
Apply by 21 April!

Number of applications submitted per Task Force

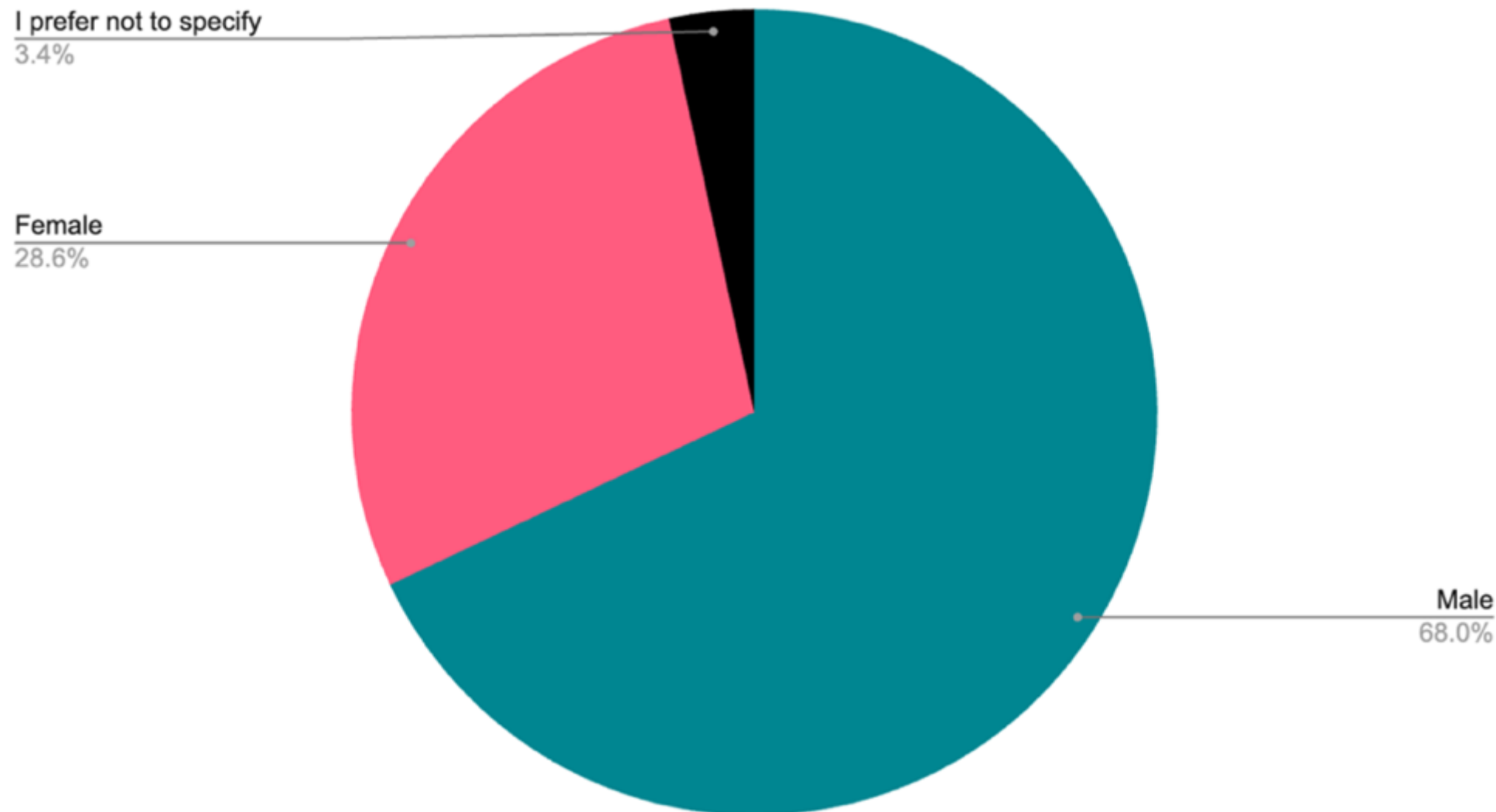
Item 8: EOSC Brain Pool
Paper F



eosc Applications per country



Gender representation of applicants



- **Evaluation of applications done by Board**
 - Only a few applications were **not eligible** or had profiles not aligned with the TF Terms of Reference.
 - Notifications to all applicants on the way,
- **Kick-off meetings in June**
- **Election of Co-Chairs and agreement on working plan** before the summer break.
 - Co-chairs are elected by the TF members (preferably keeping gender balance) and ratified by the EOSC-A BoD.

Interim Board Liaisons



Klaus Tochtermann
FAIR Metrics and
Digital Objects



Bob Jones
EOSC Technical and
Semantic Interoperability



Sara Garavelli
Long-term Data Retention



Ignacio Blanquer
Health Data

neosc

Q&A



Item 09: Status: EOSC Federation & EOSC Nodes / Briefing for Day 2

Bob Jones, Director, EOSC-A



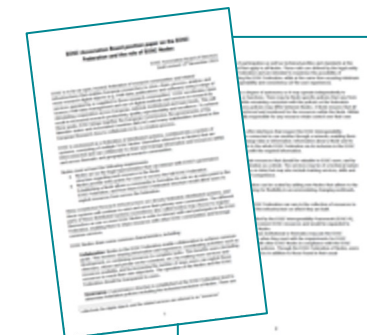
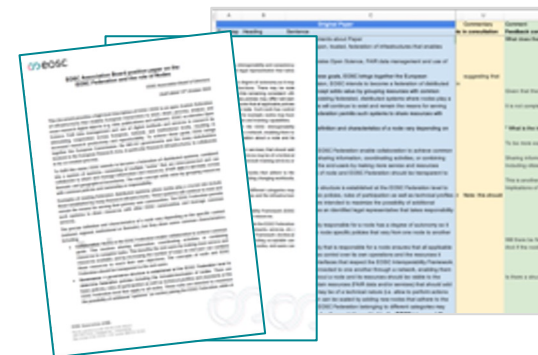
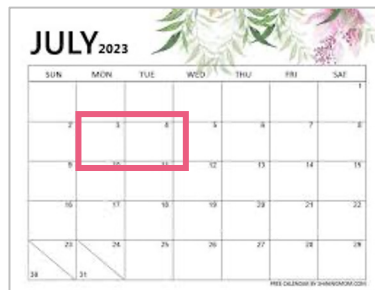
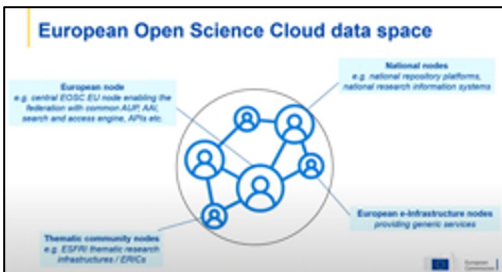
Paper G: The EOSC Federation and
the role of Nodes



Task 2 - EOSC Federation and Nodes [Paper G]

- Evolution of Node concept
- Tripartite Group Process
- Minimum requirements for EOSC nodes
- Federation Handbook
- Next steps
- Breakout session on day 2

Evolution of Node Concept in 2023



Spring

July

September

October

November

Introduction
EOSC EU Node
and concept of
nodes by EC

Meetings with
Mandated
Organisations
and ESFRI RI
Working Group
to prepare
September
workshops

Community
Workshops
MOs & ESFRI RI
WG,
Unconference
@ EOSC
Symposium

Publication of
Draft Position
Paper on the
EOSC
Federation and
the role of
Nodes &
Consultation

Publication of
revised version
of Draft
Position Paper
& Consultation

Evolution of Node Concept in 2024



January

February

March

April

May

2 Community webinars giving updates on federation & nodes

Integration of community feedback & drafting of table of contents for EOSC Federation Handbook

Discussion of EOSC Federation Handbook concept with EC and EOSC-SB Policy Group

Presentation of “Minimum requirements of Nodes” draft at European Tripartite Event

Tripartite group discussed co-creation of Federation Handbook and candidate nodes

Ongoing activities

- Definition of the **“node” concept**:
minimum requirements for being a node;
benefits of becoming a node;
duties of a node, etc.
- Definition of the **“rules of participation”**
(*enrolment of nodes*) in the EOSC Federation
- Definition of the **process to enrol new nodes**
(multiple waves of enrolment foreseen)
- **Financial and governance implications**
of the EOSC Federation

The process

- **EOSC-A Handbook**
The EOSC Association is collecting contributors to draft the Handbook of the EOSC Federation
- **New EOSC tripartite group**
Representatives of the Tripartite Governance (EC DG RTD and DG CNECT; EOSC Steering Board members; EOSC-A Board of Directors) and experts appointed by the 3 parties are meeting every 2/3 weeks to discuss

development of the Handbook
governance and financial implications of the EOSC Federation
- **EOSC Tripartite Governance**
The EOSC tripartite group will inform the current EOSC Tripartite Governance that will take the final decisions concerning the EOSC Federation

Process carried out by EOSC-A under governance of Tripartite Group

- 28.05.** Discussion at EOSC-A GA#8
- 31.05.** Next Tripartite Group Meeting / Presentation of an Integrated Work Plan
Prioritisation of Handbook chapters (in the sense of what comes first not importance)
- 03.06.** Kick-off meeting with Handbook drafters (weekly meetings)
- June** Tripartite Group Meeting with external experts from
Potential Candidate Nodes
- 05.07.** Partnership Board Meeting #6
Continuous work over the summer
- Sep** Community consultation phases
- Oct** EOSC Symposium
- 07.11.** Tripartite Event Budapest



EOSC federation and nodes at EOSC-A GA#8 event

Agenda for tomorrow morning

09:30 Start of Day 2

09:30 The EOSC EU Node – remote presentation by Spiros Athanasiou (Athena Research Centre, Greece)

09:50 Q&A

10:00 Breakout Session 1 (3 rooms, same subject)

11:00 Coffee break

11:30 Breakout Session 2 (3 rooms, same subject)

12:30 Reporting

Wrap-up / Session for Open Discussion / Closing

13:00 Lunch / end of GA #8

Interactive sessions exploring the contents of the paper G - *Building the EOSC Federation: requirements for EOSC Nodes*

Driven by session lead using a presentation and gathering feedback via slido tool

Preparation: read the document (handout or [online](#))

Additional slides providing more details on requirements for nodes etc.



Requirements for EOSC Nodes (I)

- **Legal status** – an EOSC Node must be represented by a legal entity which can engage in legal agreements, including the agreement with the EOSC Federation legal entity, as well as with any other partners participating in the activities of the EOSC Node itself (e.g. providers making their data or services available to EOSC).
- **Governance** - nodes must agree to comply with the governance rules of the EOSC Federation and compliance with technical interoperability standards as defined by the EOSC interoperability specifications.
- **Rules of participation** - an EOSC Node must comply with the EOSC Federation Rules of Participation in terms of access for authorized communities and users. Some services e.g. FAIR data may be openly accessible to all (anonymous) users while others may need specific authorization and could be subject to charges.
- **Multi-sites** - an EOSC Node can regroup multiple sites, data sources and services from multiple providers under a single legal representation. The legal representative will be responsible for the compliance of all the sites/providers which they represent.

Requirements for EOSC Nodes (II)

- **Monitoring** - all EOSC Nodes must support monitoring of data, services, usage and other relevant activities to ensure the quality of service, compliance with access and use restrictions (if any), as well as compliance with applicable legal and regulatory requirements, as defined by EOSC Federation Handbook, are respected.
- **Cataloguing**: recognise the need for a catalogue of nodes with the possibility in the future that nodes be collectively capable to hold the combined catalogues of data and services of all nodes in the EOSC Federation, including its own catalogue and link to the other catalogues.
- **Connectivity** – EOSC Nodes should be connected to other EOSC Nodes and/or the EOSC EU Node through common protocols that enable seamless access through the EOSC common AAI, to harvesting of FAIR metadata to enable global searching, monitoring of usage statistics, and other functions that enable interoperability.
- **Sustainability** - nodes must have a foreseen lifetime of at least 5 years and ideally longer to ensure that they are viable members of the EOSC Federation, and they should be transparent about their guaranteed lifetime.

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.

Requirements for 'Candidate EOSC Nodes'

It is foreseen to start with an initial group of approximately 10 candidate nodes (like National nodes (nodes in a certain country / nation), Thematic nodes, RI nodes, E-Infra nodes, etc) and then progressively expand the federation and evolve the requirements based on the experience gathered.

Capacity, financial and other means:

- The legal entity representing the candidate EOSC Node should have the **authority to sign** an agreement with the EOSC Association.
- The candidate EOSC Node should have **sufficient financial means** to ensure its operation through to the end of 2027 and ideally 5 years or more.
- The candidate EOSC Node should have **sufficient capacity and expertise** to be able to ensure the data and services it includes can be operated to a production level.
- The candidate EOSC Node should **abide by the operating procedures of the federation** including those concerning cybersecurity.
- **Data and Services** should be at least Findable and Accessible (FAIR) for registered EOSC users while rivalrous services (such as compute and storage) should be available to multiple users in non-trivial volumes.

EOSC Federation Handbook - core team

Core writing team started in March 2024

- Andy Götz – EOSC Focus (EOSC-A & ESRF)
- Bob Jones – EOSC-A board of directors (CERN)
- Mark Dietrich – EOSC Focus (EGI.eu)
- Miguel Rey Mazon – EOSC Focus (TU Graz)

Open to contributors with additional relevant expertise



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Q&A

Item 10: EOSC post-2027 – Considerations for an Institutionalised Partnership based on Art. 185 TFEU

Karel Luyben, President, EOSC-A;

Octavi Quintana Trias, Director of PRIMA Partnership Secretariat



Paper H: EOSC post-2027 – Status
and Way Forward



eosc Developments from GA#7 to GA#8

21 November 2023 – 27 May 2024



November

February

March

April

May

28.11.2023
Presentation of
"Option f" at
European
Tripartite Event
in Madrid

Regular
meetings with
EC and EOSC-
SB Policy Sub-
group to review
5 Tasks and
selected
funding
instruments

EOSC-A
meetings with
Art. 185
Partnerships
PRIMA and
EURAMET

16.04.2024
European
Tripartite Event
in Brussels /
Prioritisation of
Federation
discussion over
Governance

27.05.2024
GA#8
Presentation of
Art. 185
Institutionalised
Partnership

Tripartite Governance / Re-scoping of 5 Tasks

Paper H – EOSC post-2027: Status and Way Forward

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

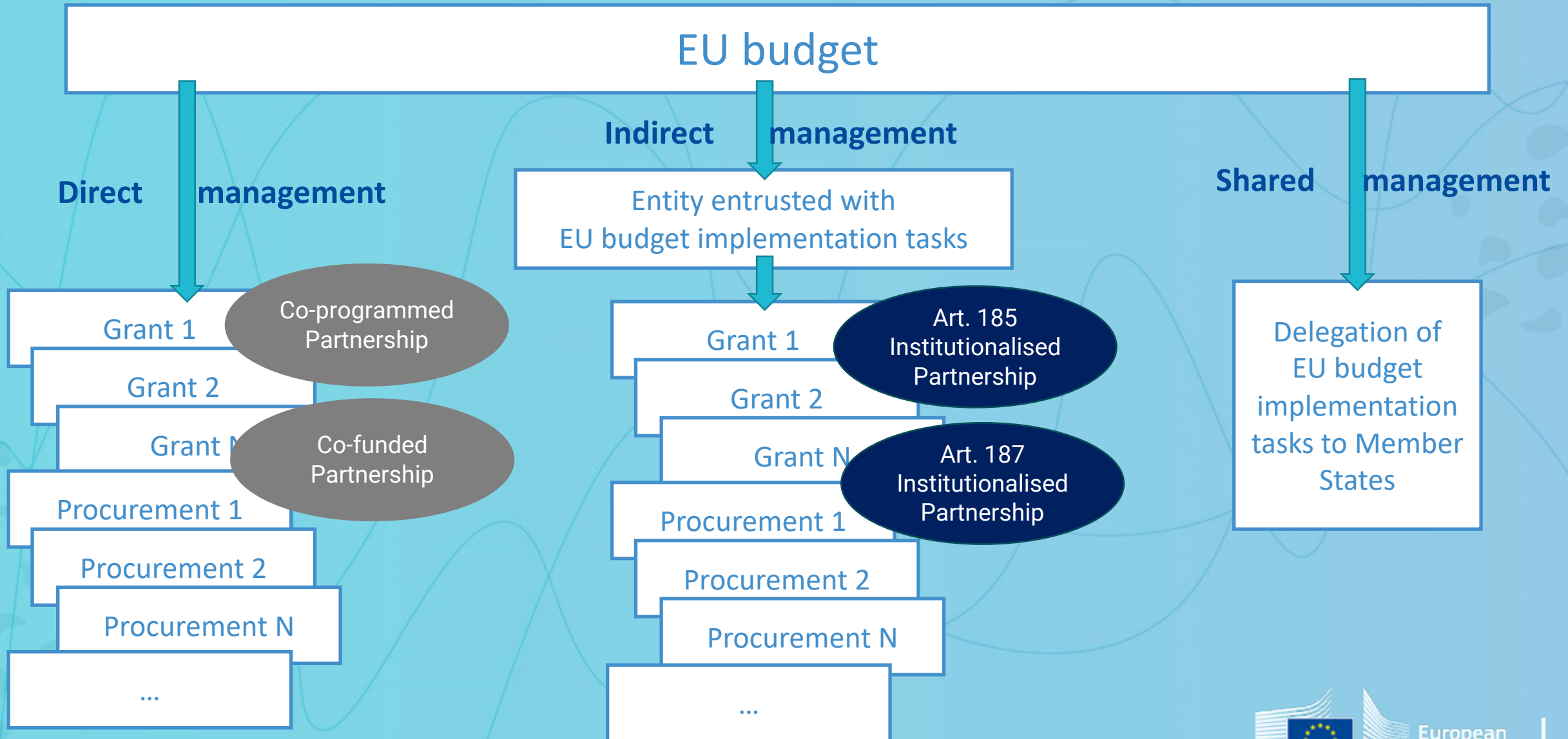
Task

5

Enable OS policies
and uptake
of OS practices
through EOSC



Methods of EU budget implementation



eosc Introducing the PRIMA Partnership


Based on Art. 185 TFEU



Octavi Quintana Trias

Director of the PRIMA Secretariat





PRIMA:
Legal and administrative
characteristics of the
partnership as an Article 185
TFEU initiative.



PRIMA
PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



PRIMA is supported under
Horizon 2020, the European Union's
Framework Programme
for Research and Innovation.

OVERVIEW OF PRIMA - PARTNERSHIP FOR RESEARCH AND INNOVATION IN THE MEDITERRANEAN AREA

- PRIMA is an EU institutionalised partnership based on the Art. 185 TFEU, supported by H2020 and Horizon Europe EU frameworks for Research and Innovation.
 - The Partnership for Research and Innovation in the Mediterranean Area (PRIMA) was established in 2017 by nineteen Participating States (PS) and the European Union (EU) through the Decision of the European Parliament and of the Council of 4 July 2017 Decision/(EU) 2017/1324.
 - The European Commission, on 28 June 2023, adopted a proposal for a minimum amendment of the PRIMA basic act (Decision (EU) 2017/1324), to reflect the continuation of the Union's participation in PRIMA under Horizon Europe.
 - PRIMA, undertaken in the frame of Euro-Mediterranean cooperation, aligned with the principles and objectives defined in the Barcelona Declaration (1995).
 - PRIMA is characterised by a robust strategic dimension based on the principles of co-decision and co-financing and a distinctive geographical focus on the Mediterranean Region.
 - PRIMA launches yearly calls for proposals to mobilise the Euro-Med scientific communities, stakeholders and public and private entities to identify R&I solutions for more sustainable water and agri-food systems management
- 



PRIMA PARTICIPANT STATES



Third Countries became Participating States upon entry into force of their respective international agreements for scientific and technological cooperation with the Union setting out the terms and conditions of their participation in PRIMA enabling them to receive EU funds through PRIMA calls.

PRIMA:

The Partnership for Research and Innovation in the Mediterranean Area



PRIMA is an initiative launched by 19 Euro-Mediterranean countries, with the active participation of the European Union.



PRIMA is a ten-year Public-Public Partnership (2018-2028), set under Horizon 2020.




PRIMA offers a unique platform for strengthening cooperation between EU Member States and third countries, fostering joint projects to address common challenges in the region and beyond.



PRIMA_EU INSTITUTIONALISED PARTNERSHIP (EX. ART 185 TFEU)

Article 185 of the Treaty on the Functioning of the European Union (TFEU)

- 
- **Implementation structure (DIS):** PRIMA Dedicated Implementation Structure is a private body under Spanish law set up in Barcelona on 19 June 2017 charged by the PRIMA Governing Body to undertake all managerial, administrative, supporting and, monitoring activities necessary to the implementation of the PRIMA
 - An ex-ante assessment was conducted from September to November 2017 to assess whether PRIMA Foundation has set up and ensured the functioning of an effective and efficient internal control system. After the positive outcome of the ex-ante assessment PRIMA Foundation was able to enter into a formal delegation agreement with the Commission signed on 12 February 2018. Annual calls from 2018 to 2024 were launched under this scheme.
 - After a positive interim evaluation, the European Commission, on 28 June 2023, adopted a proposal for a minimum amendment of the PRIMA basic act (Decision (EU) 2017/1324), to reflect the continuation of the Union's participation in PRIMA under Horizon Europe. Annual calls from 2025 to 2027 will be launched under this scheme.
 - **Commitments of Participating States to integration**
 - Scientific
 - Management
 - Financial levels

SCIENTIFIC INTEGRATION

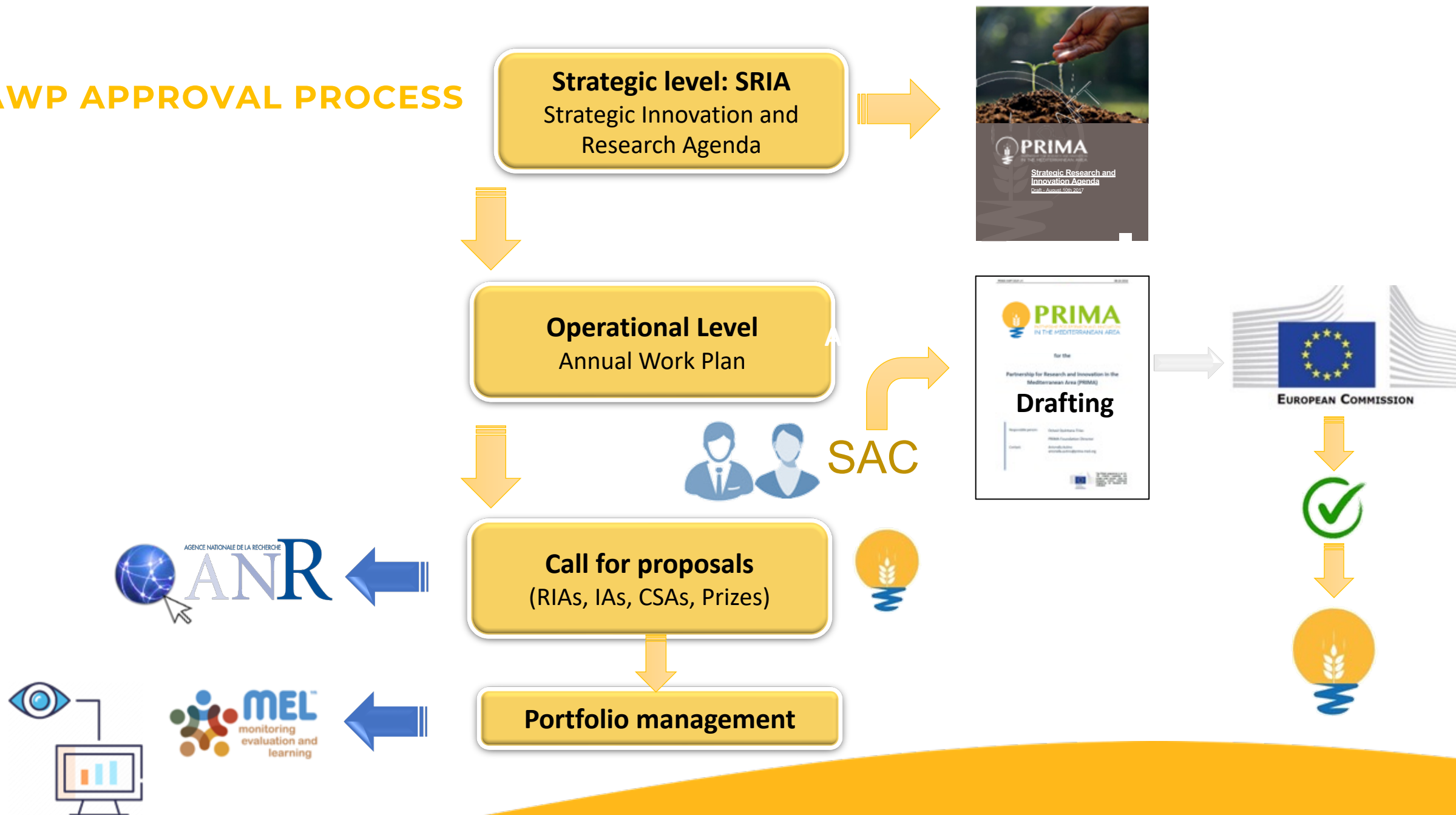
Long-term Strategic Research and Innovation Agenda (SRIA) defined by PS through a participatory approach

- [\(SRIA\)](#), provides the vision and strategic direction for the Implementation of the Programme
- SRIA is the basis for setting out the PRIMA Annual Work Plans (AWPs).
- SRIA endorsed by the Ministers of Research and Innovation during the [Ministerial Conference on Strengthening Euro-Mediterranean Cooperation through Research and Innovation](#) in Malta on 4 of May 2017



PRIMA is a unique R&I instrument in the Mediterranean to break conventional silos and address the Water-Energy-Food-Ecosystems nexus

AWP APPROVAL PROCESS

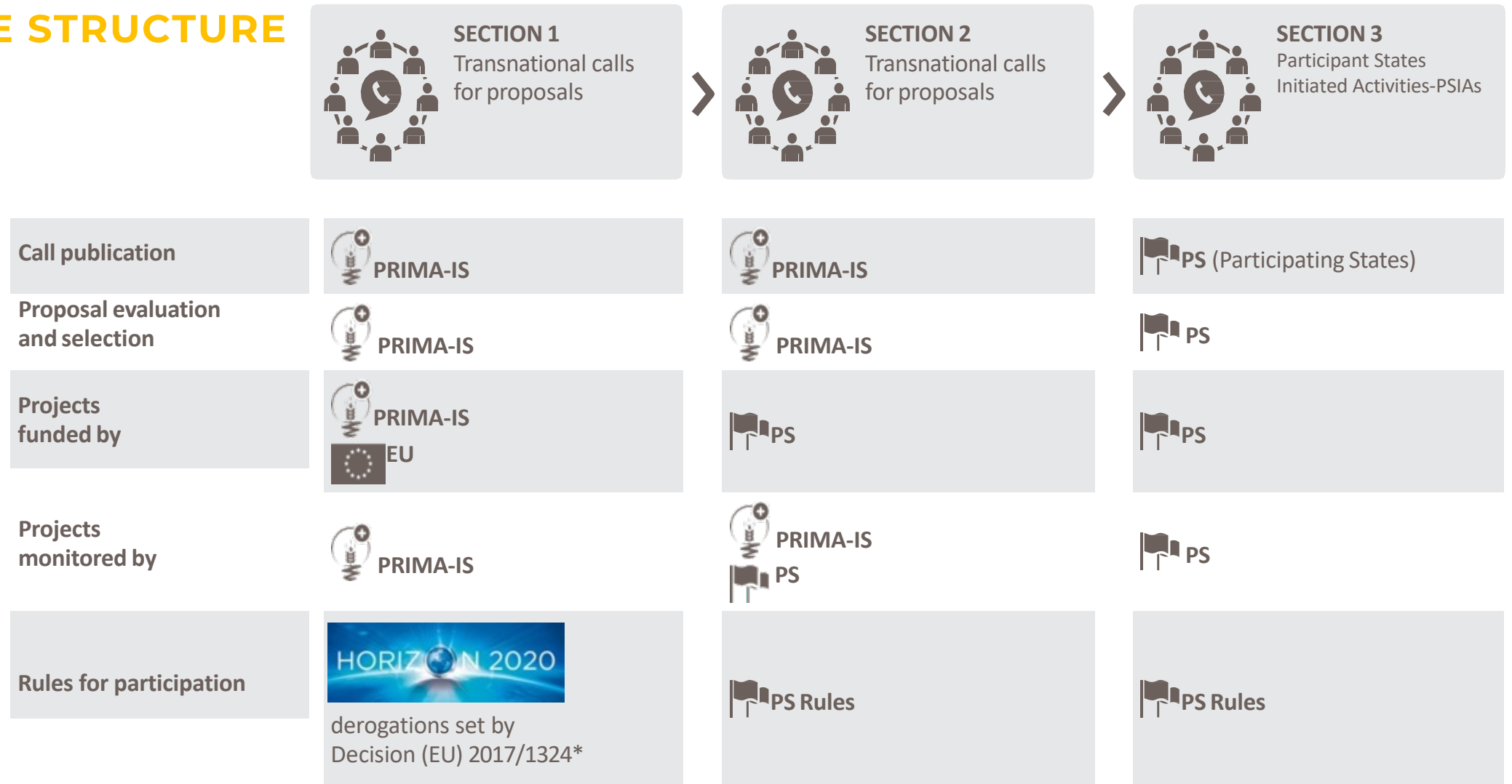


FINANCIAL INTEGRATION

- ❑ € 274 M€ PSs: in-cash and in-kind contributions from national funding agencies (Ministries)
- ❑ € 220 M€ EU through Horizon 2020 funds
- Addressing three different programming levels (3 Sections) with funding from either H2020 or national sources, PRIMA, effectively targets key R&I issues in the Region, influences R&I strategies among its members and streamlines national processes and procedures.



PROGRAMME STRUCTURE



The PRIMA Programme is structured along three [sections](#) according to the funding source, management and rules. In principle, PRIMA actions and activities are implemented following [Horizon 2020 RfP](#). Specific rules concerning participation and funding rates apply for the activities implemented with national funds.

MANAGERIAL INTEGRATION

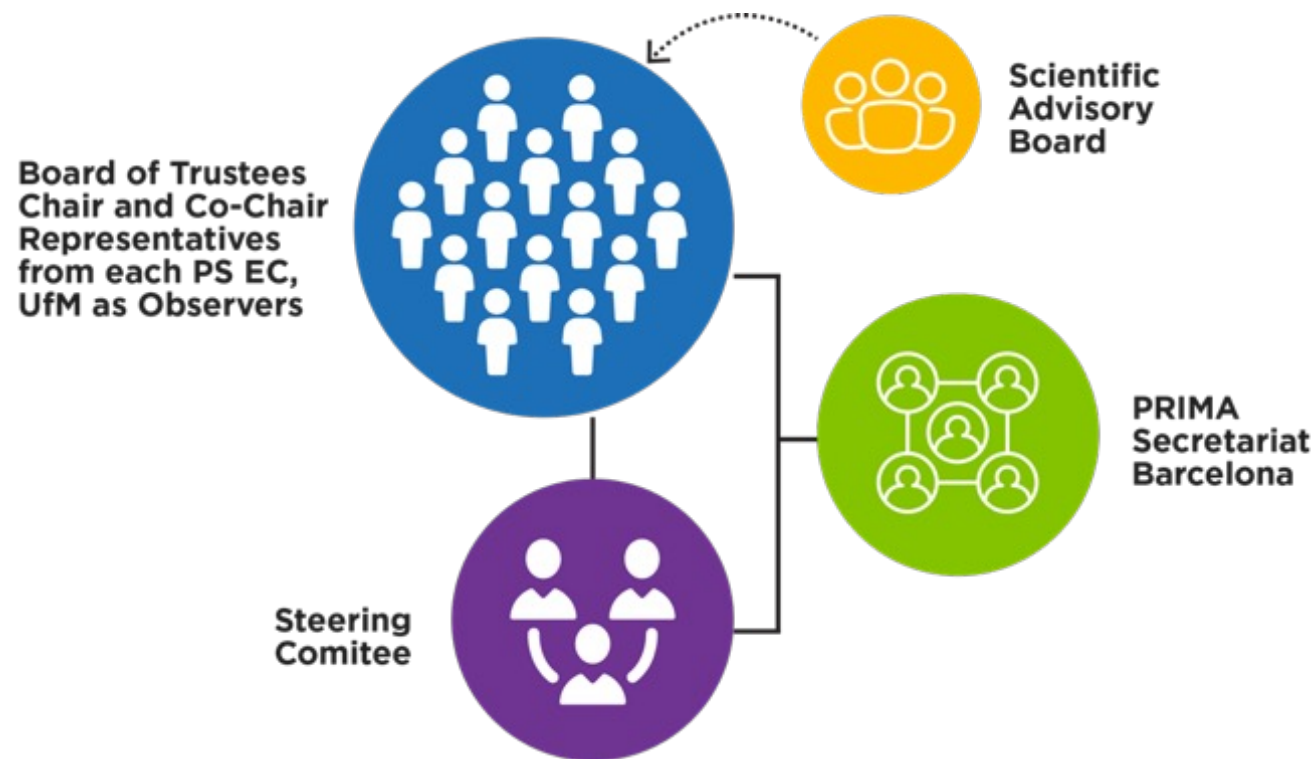
- PRIMA governance has encouraged unprecedented cooperation:
- Based on an equal footing between its Participating States;

✓ **18 Board of Trustees Members:** Board of Trustees is the highest representative and governing body of the PRIMA Foundation according to PRIMA Statutes.

✓ **6 members of the Steering Committee**

✓ **7 Members of the Scientific Advisory Committee**

✓ **16 Staff members: PRIMA Foundation Secretariat** responsible for elaboration of the Annual Work Plans, management of the calls, monitoring of projects and reporting to EC



PRIMA GOVERNANCE MODEL

Spreading waves of innovation: PRIMA's achievements across the Mediterranean (2018 - 2023):



239
funded projects



53
WATER
PROJECTS



96
FARMING
PROJECTS



77
AGRO-
FOOD
PROJECTS



13
WEFE NEXUS
PROJECTS



21.000
participating entities



2310+
total Beneficiaries



352M€
Total Budget allocated



30%
MPC Total Budget share



20%
Budget share of
private sector



Thank you

Discussion with Octavi Quintana Trias

Questions

- What would be the differences between having EOSC run by an Art. 185 or an Art. 187 institutionalised Partnership?
 - Especially what would it mean for the input/influence from the countries?
 - What would be the role of the European Commission in an Art. 185 Partnership?
- How could the EOSC Association transform into a “Dedicated Implementation Structure” to run an Art. 185 Partnership?
 - What would be needed for that?
 - Did you build the PRIMA Secretariat from scratch before doing the Pillar Assessment or did you build on an existing organisation?
- Does he see better alternatives than Art. 185 or Art.187?

meosc



Q&A

eosc Social programme and networking



Photo by [Kaizen Nguyễn](#) on [Unsplash](#)

17:45

Drinks reception

Reception offered by
KU Leuven, KU Leuven
Libraries and LIBIs

Irish College Leuven



Photo by [Frank Barning](#) on [Pexels](#)

18:30

Guided walking tour

Tour from the Irish College
to the dinner venue,
including highlights of
Leuven's historical city
centre.

Meeting point: Lobby of
Irish College Leuven



Photo by [Madie Hamilton](#) on [Unsplash](#)

19:30

Dinner at De Hoorn

Sluisstraat 79, 3000 Leuven

If you choose not to join the
walking tour, please meet us
at De Hoorn at 19:30. The
venue is a 20-minute walk
from the Irish College Leuven.

Group photos



Item 11: The EOSC EU Node

Spiros Athanasiou, "Athena" Research and Innovation Center





EOSC EU Node

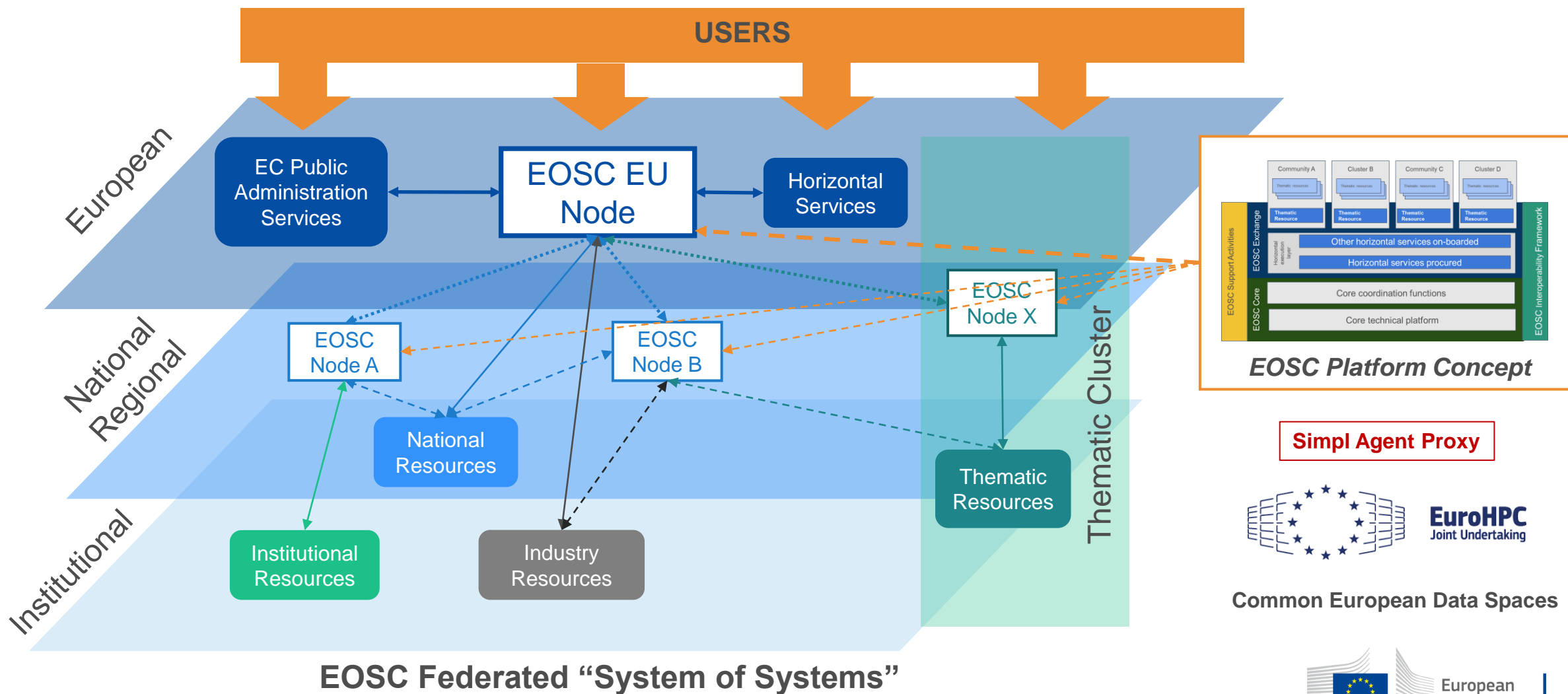
EOSC-A General Assembly #8

Open Science Agora Consortium (EOSC EU Node Lot 1)

28 May 2024

Spiros Athanasiou

EOSC EU Node – Federation Approach



EOSC EU Node Characteristics

- **The first node of the EOSC Federation** provisioned from the EC (Lots 1/2/3) as the Service Business owner (DG CONNECT)
 - **European level multi-disciplinary and multi-national** scientific data/service portfolio for all research users and citizen scientists
 - **Serves as a blueprint for other EOSC Nodes**; architecture and open-source software
 - **Provides federating** capabilities (e.g. AAI via GEANT) and **SaaS** (e.g., Helpdesk) offerings to other Nodes (optional; lower the entry barrier/costs)
- **Discovery and sharing** of European **Research Output** (pubs, data, software, services) and **Tools** (recipes/templates) via the EOSC EU Node Metadata **Knowledge Graph** (MKG; OpenAIRE, EC data sources, EOSC Federation, Service Providers)
- **Provision of guaranteed and high-quality integrated compute and storage** services (Exchange) to support researchers (Notebooks, VMs, Kubernetes, Cloud storage, data/file transfer) via quota/time-based access (per service/credits)

Onboarding (enrolment) Functions

- **National, regional and/or thematic service providers** as well as autonomous **EOSC Nodes** can connect to the federation (established interoperability frameworks and policies)
- **Onboarding of EOSC Nodes and Service Providers** (Contributors) to be supported by the EOSC EU Node (technical, policy, operational requirements)
 - Contractors handle technical integration, operational harmonization, assessment of established criteria (baseline contractual services); Policies established by the EC/Governance
- **EOSC Nodes enrolled** to the EOSC Federation
- Options for **Service Providers**: join the **EOSC EU Node** (discoverable, orderable), another **EOSC Node** (onboarding), or become **EU Nodes** (enrolment)
 - **Discoverable** services (low entry barrier; link to service) and **Orderable** services (progressively higher entry barrier; monitoring/accounting/helpdesk, etc.)
- EOSC EU Node is an **EC service** and hence must abide to EC operational policies (quality, security, content)

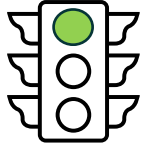
EOSC EU Node Governance

- **EOSC EU Node owned by the EC** and **governed by the EOSC Tripartite** (EC, EOSC-A, MS/AC); Future ownership is under discussion
- EOSC EU Node **provisioned and maintained** by the EC via **contracted 3rd parties** (EOSC Procurement Action; Lots 1/2/3)
 - **Contractual** managed service acceptance and delivery by the **EC** (internal IT documentation/reporting; formal process)
 - EC reporting to and consulting Tripartite regarding **operations** of the EOSC EU Node (utilization/adoption, AUP/AP)
 - Tripartite engaged in the **evolution** of the EOSC EU Node (improvements & new features) via the **User and Technology Forums** (nominated experts/users are welcomed)
- **EOSC Federation-level** policies shaped and defined by the Tripartite

EOSC EU Node Lot 2/3 Services

- AP and AUP following a **demand-based** and **fair access** model operating within the **contractual** fiscal space (open access for all, avoid exhaustion and over-allocation); service-specific for the initial phase, uniform credits to follow
 - All users can claim access to free quota per service (also time-limited) by the EOSC EU Node (base tier; possibly additional if available/needed on a per case basis)
 - Specific user groups/organizations/communities may request additional compute and storage resources (e.g., an RI for deploying a specific service)
 - Utilization is monitored and assessed by the EC; effectively manage demand, reposition services/quota and ensure user satisfaction (e.g., from service to service, within a service)
- Service-specific: Virtual Machines (t-shirt sizes/time), Container Orchestration (resources/time), Notebooks (types/time), EFSS (same for all), Data/File transfer (FCFS)

EOSC EU Node Planned Timeline and Milestones



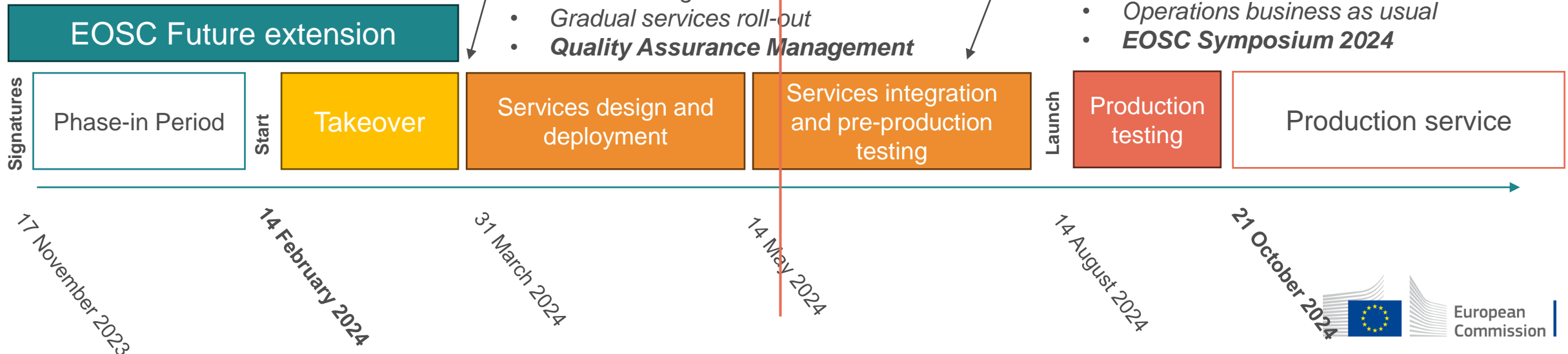
- Planning and architecting of service components
- Compliances and approvals (EC IT Governance)
- Definition of policies (RoP, AUP, AP)
- Production launch of the EOSC EU Node web front-office

- Handover of relevant EOSC Portal functionalities (specs, software, IPO, etc.)
- Managing expectations of all stakeholders (providers, users, etc.)

- Full integration testing of core and exchange services
- Integration of EC services (ORE, ODP, CORDIS/Cellar)
- **Onboarding of flagships to EOSC EU Node**

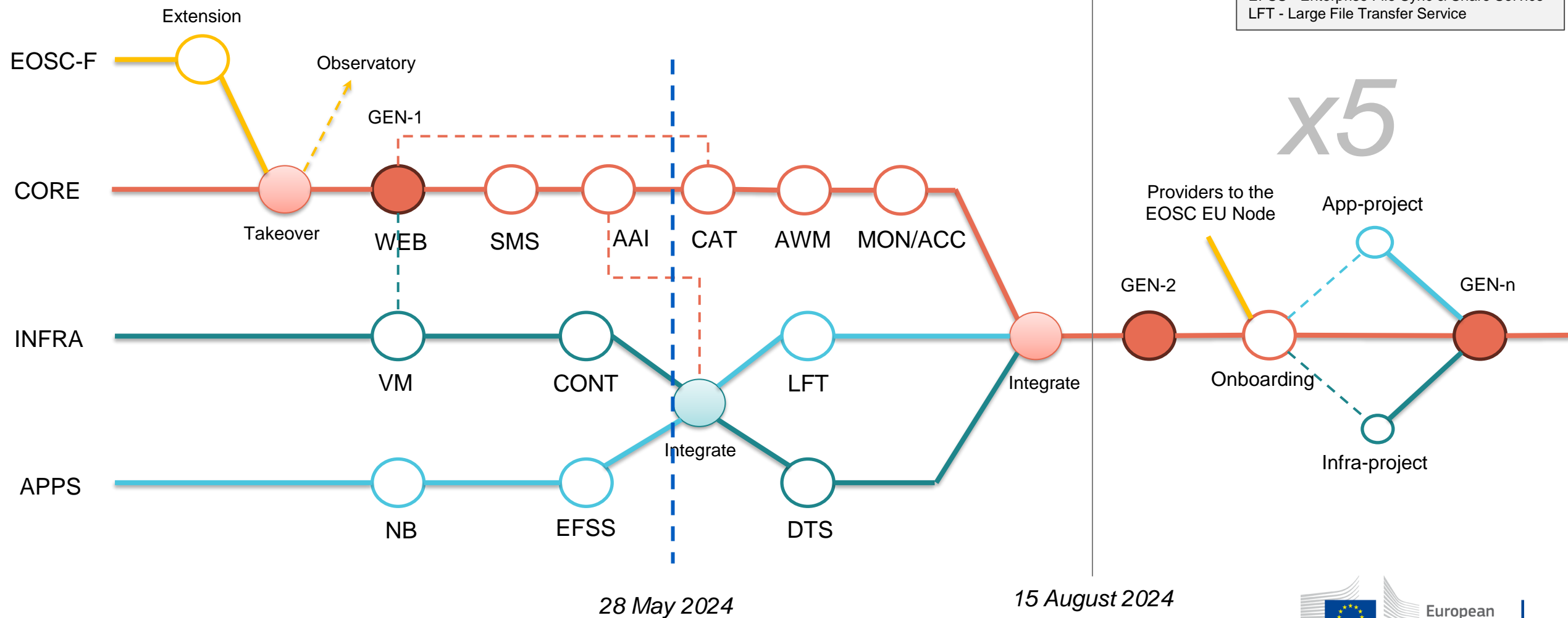
- Deployments and staging of core/exchange functionalities
- Gradual services roll-out
- **Quality Assurance Management**

- Pre-production and production testing
- First user experiences
- Operations business as usual
- **EOSC Symposium 2024**

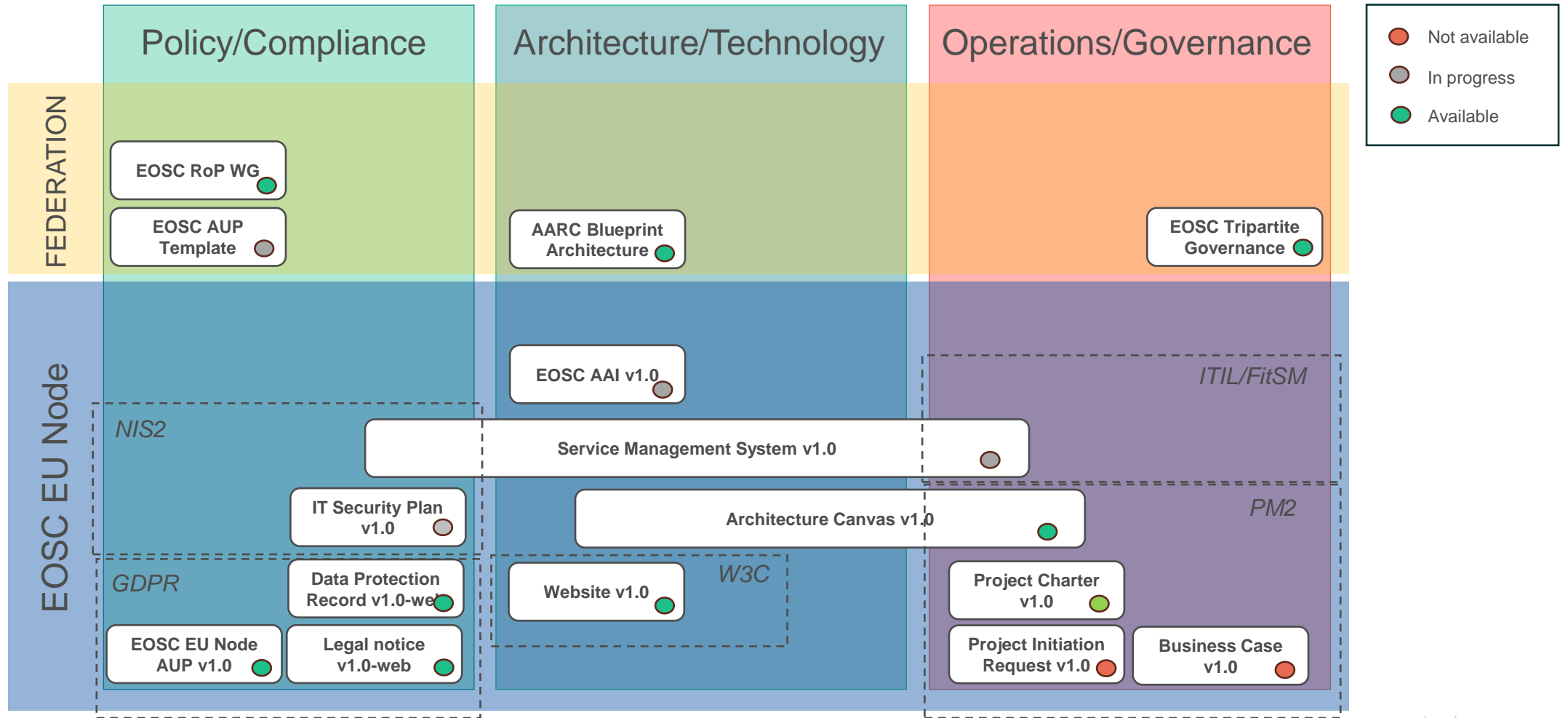


EOSC EU Node – Roadmap

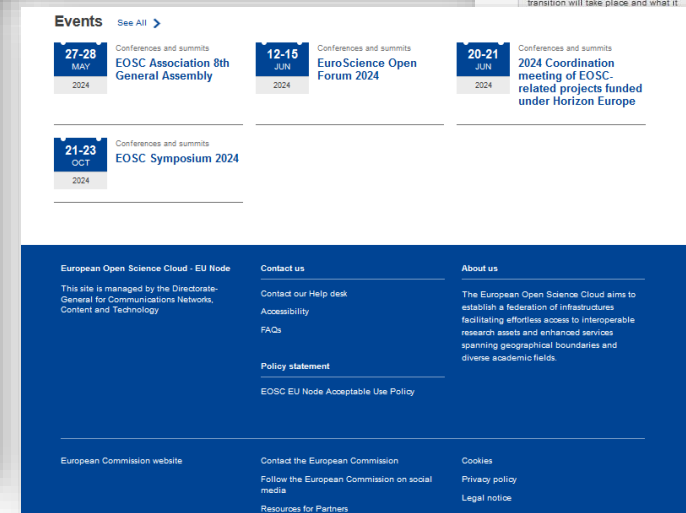
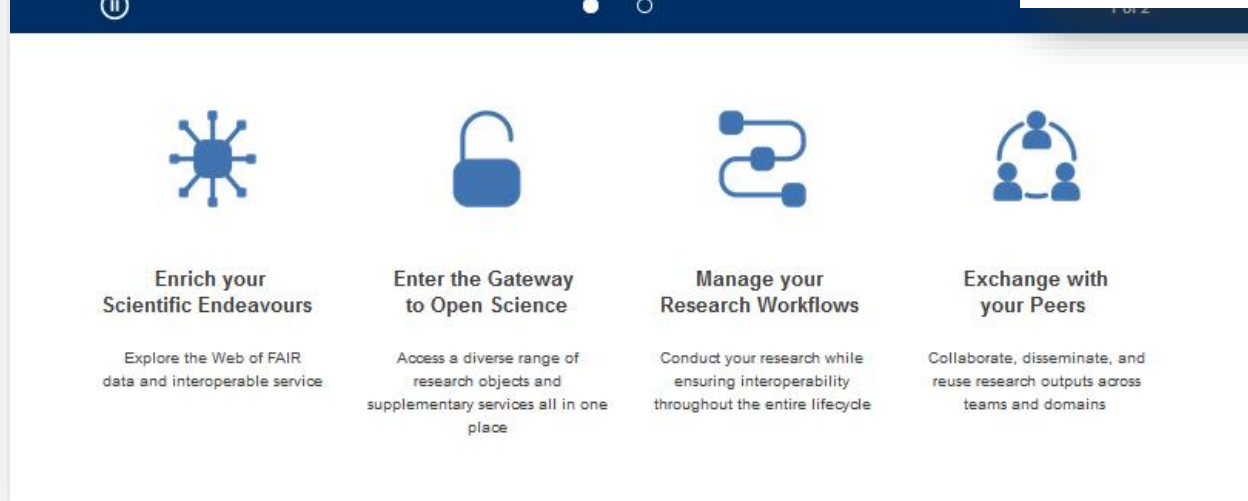
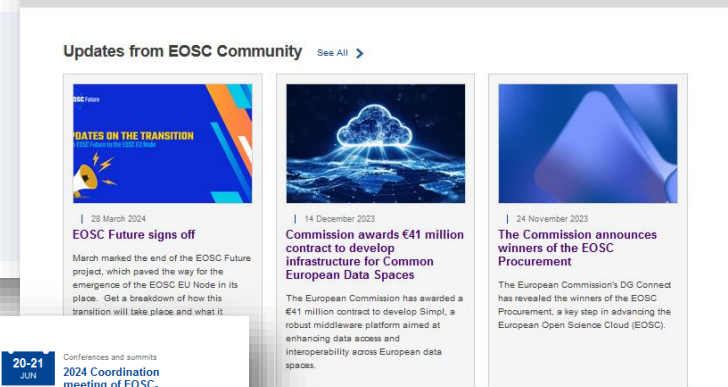
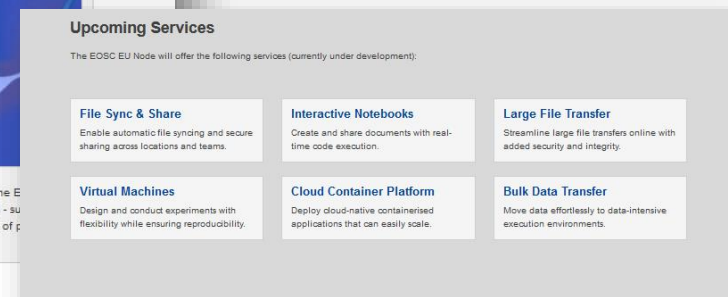
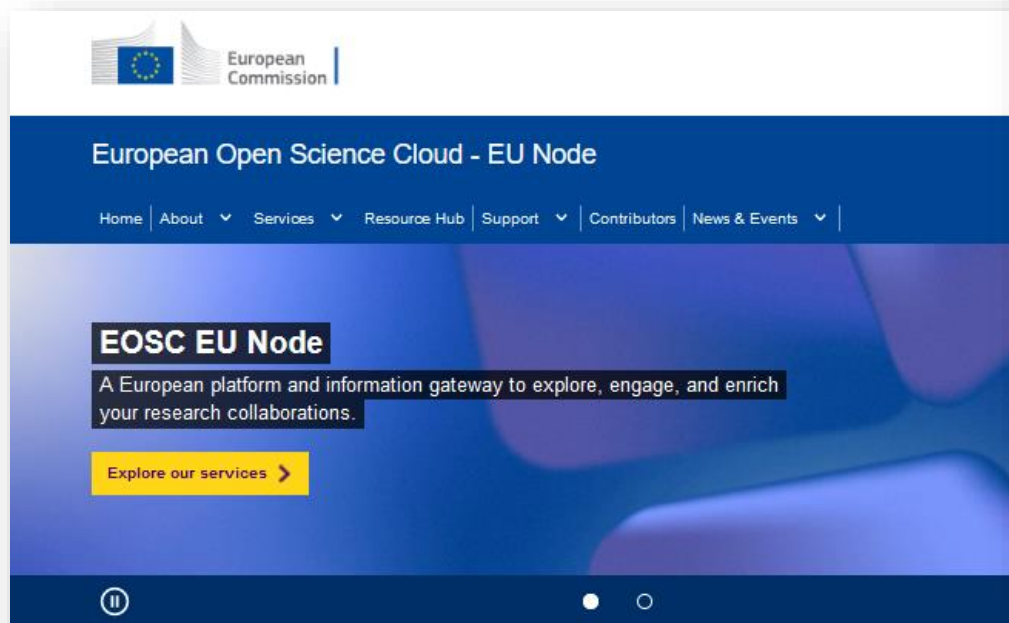
WEB - Web Portal Front Office
 SMS - Service Management System
 AAI – Federated Identity Management
 CAT - Catalogues & Registry Services
 AWM - Application Workflow Management
 MON/ACC - Monitoring & Accounting
 VM – Compute/Storage Service
 CONT - Container Platform Service
 DTS - Bulk Data Transfer Service
 NB - Interactive Notebooks
 EFSS - Enterprise File Sync & Share Service
 LFT - Large File Transfer Service



EOSC EU Node Available artefacts



EOSC EU Node initial web presence



EOSC EU Node AUP v1.0



EUROPEAN COMMISSION
DG COMMUNICATIONS NETWORKS, CONTENT AND TECHNOLOGY
Directorate Digital Excellence and Science Infrastructure
Unit C.1 Open Science and Digital Modelling

EOSC EU Node Acceptable Use Policy

Version 1.0

ACCEPTABLE USE POLICY

This Acceptable Use Policy ("AUP") defines the rules and conditions that govern your access to and use (including transmission, processing, and storage of data) of the Resources ("Resources") and Services ("Services") as granted by the European Commission, Directorate-General for Communications Networks, Content and Technology, Unit C.1 Open Science and Digital Modelling and its third-party contractors (hereinafter referred to as "Operating Unit") for the purpose of the EOSC EU Node web front office (hereinafter referred to as "Websites") where user can search through and utilize a variety of resources, including: publications, data, software, services, and trainings.

The Operating Unit maintains the Websites to enhance public access to information about research data, tools and services promoting the European Union's Policy on Open Science. Our goal is to keep this information timely and accurate. If errors are brought to our attention, we will try to correct them. However, the Operating Unit accepts no responsibility or liability whatsoever with regard to the information, including user-created information, on the Websites.

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https://commission.europa.eu/legal-notice_en

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1. You shall only use the Services in a manner consistent with the purposes and limitations described above; you shall show consideration towards other users including by not causing harm to the Services; you have an obligation to collaborate in the resolution of issues arising from your use of the Services.
2. You shall only use the Services for lawful purposes and not breach, attempt to breach, nor circumvent legal, administrative or security controls. Services shall not be used:
 - a. to threaten, incite, promote, or actively encourage violence, terrorism, or other serious harm;
 - b. for any content or activity that promotes child sexual exploitation or abuse;
 - c. to violate the security, integrity, or availability of any user, network, computer or communications system, software application, or network or computing device;

1/2

- d. to distribute, publish, send, or facilitate the sending of unsolicited mass email or other messages, promotions, advertising, or solicitations (or "spam").
3. You shall respect intellectual property, licenses, and confidentiality agreements.
 4. You shall protect your access credentials (e.g., passwords, private keys or multi-factor tokens), no intentional sharing is permitted. You shall not attempt:
 - a. gaining unauthorized access to Services, acting to deny others access to Services, or authorizing any third party to access or use the Services on your behalf;
 - b. using the Services to try to gain unauthorized access to any other service, data, account or network by any means.
 5. You shall keep your registered information correct and up to date.
 6. You shall promptly report known or suspected security breaches, credential compromise, or misuse to the Security Contact stated below; and report any compromised credentials to the relevant issuing authorities.
 7. Reliance on the Services shall only be to the extent specified by any applicable Service Level Agreements listed below. Use without such agreements is at your own risk.
 8. Your personal data will be processed in accordance with the Privacy Statements referenced below.
 9. Your use of the Services may be restricted or suspended, for administrative, operational, or security reasons, without prior notice and without compensation.
 10. If you violate these rules, you may be liable for the consequences, which may include your account being suspended and a report being made to your home organisation or to law enforcement.
 11. You shall comply with restrictive measures and export control measures in place pursuant to Article 215 of the Treaty on the Functioning of the European Union when accessing or authorising the access to the Services.
 12. You shall acknowledge that information you provide or upload to the Services may be stored outside of the country in which you reside but stays in EU/EEA jurisdiction.

POLICY STATEMENTS

- Privacy Policy for websites managed by the European Commission: https://commission.europa.eu/privacy-policy-websites-managed-european-commission_en
- Copyright Notice: https://commission.europa.eu/legal-notice_en#copyright-notice
- Cookies Policy: https://commission.europa.eu/cookies-policy_en
- Services accessible via the Websites may have additional Privacy Statements published in their domains.

The acceptable Service Level Agreements are published on the Websites of the Services.

The Data Protection Officer of the Commission is: data-protection-officer@ec.europa.eu

The Security Contact for this AUP is: CNECT-LISO@ec.europa.eu

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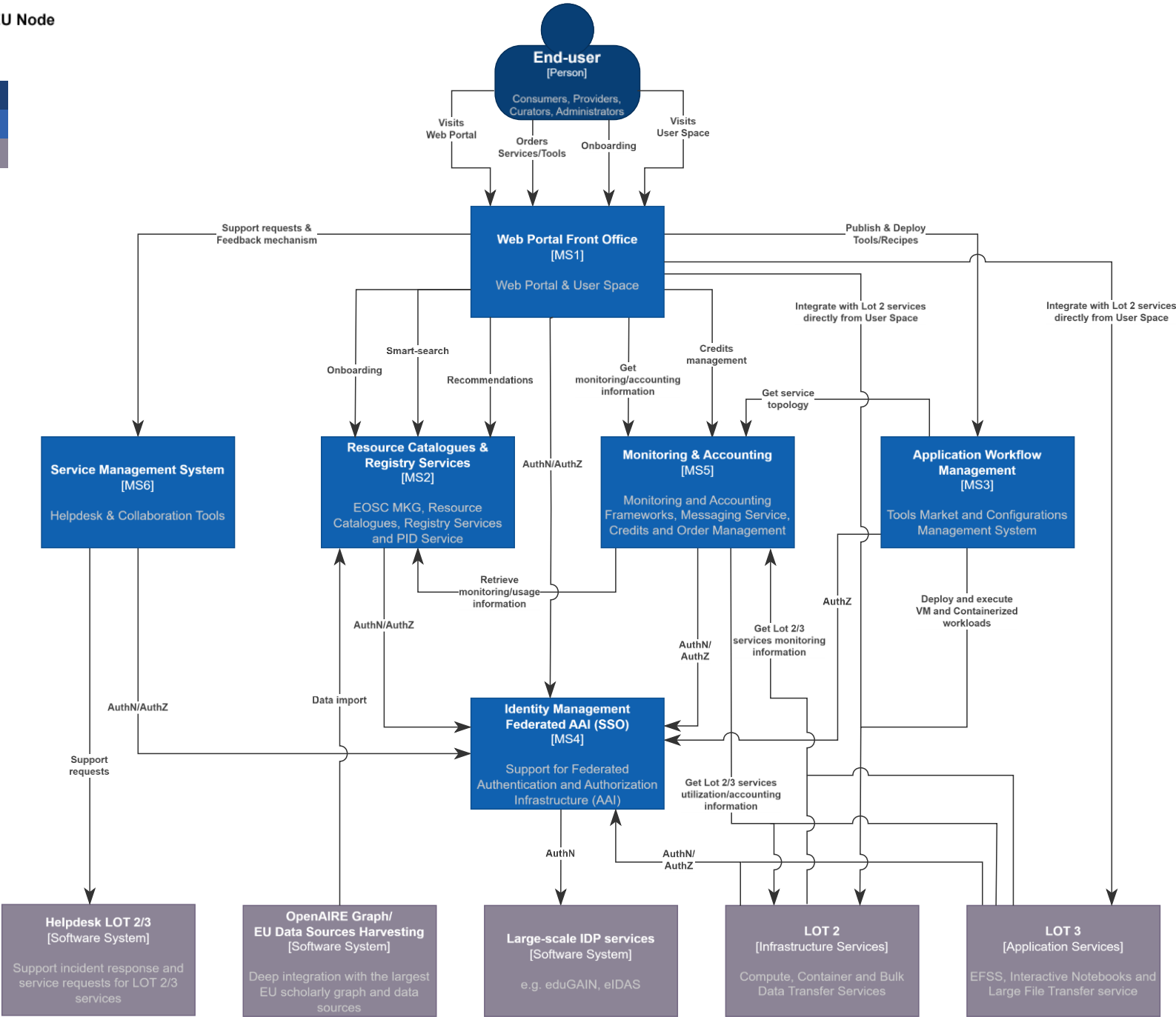
European
Commission

EOSC EU Node Architecture Overview

[System Landscape] EU Node
Conceptual view

Legend

Person
Lot-1 Managed Service
External Software System



Thank you

neosc

Q&A



Item 12:

The EOSC Federation / EOSC Nodes /
Introduction of Breakouts



A-F

Conference room 1

Bob & Miguel

G-P

Auditorium

Karel & Mark

Q-Z

Green room

Andy & Sara

eosc Breakout Sessions on Federation and Nodes

Sessions Goals

1. Explain where we are today
2. Answer your questions on the Federation and Nodes
3. Get your input on the issues to be addressed
4. Two Sessions in 3 rooms - **Auditorium, Green, Conference** room
5. **All rooms: 1st Session** on Nodes and **2nd Session** on Federation & Handbook
6. How the sessions will work:
 1. GO TO **slido.com** + enter **2669559**
 2. SELECT **Auditorium | Green | Conference** room
 3. VOTE on questions
 4. ADD new questions
 5. ANSWER polls (select **Auditorium**)
 6. INTERACT with speakers
7. Answers will be provided in writing after the GA to EOSC-A members



Joining as a participant?

2669559



Select room

☒ Auditorium

☐ Green Room

☐ Conference Room

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eosC Guiding principles for the EOSC Federation

The vision for EOSC is to put in place a system for researchers in Europe to store, share, process, analyse and reuse, within and across disciplines and borders, FAIR research outputs, such as research data, publications and software

- **System of systems** approach, building on existing (and planned) infrastructures
- **Inclusive**, with low barriers to entry and ease of use
- Participation on a **voluntary** basis in full respect of institutional autonomy and with data/service owners keeping full control on the shared resources and degree of openness (through appropriate registration)
- **Safe and trusted**, with clear rules and monitoring and enforcement mechanism
- **Consensus-based and community-driven** process, for and by the research community





What we are building

- Build a **web of FAIR data** and **services** to boost **Open Science** practices amongst researchers and provide new opportunities for **cross-domain science**
- Concept of **Federation of Nodes** will facilitate providing **services** in a **coherent manner** which **implement common rules** and **regulations** while keeping their **sovereignty**
- EOSC is composed of:
 1. Researchers as domain experts producing data and as data consumers, providing expertise in their own domain and to users of FAIR data, and
 2. FAIR data repositories curated by the research infrastructures and other scientific service providers and
 3. Associated **services** such as those required for moving, processing and hosting data.
- The number of Nodes and size of each Node will depend on what the requirements on Nodes are and the cost of running a Node
- Initial proposal is to start with **~10 Nodes** and grow to **~100 in the longer term**

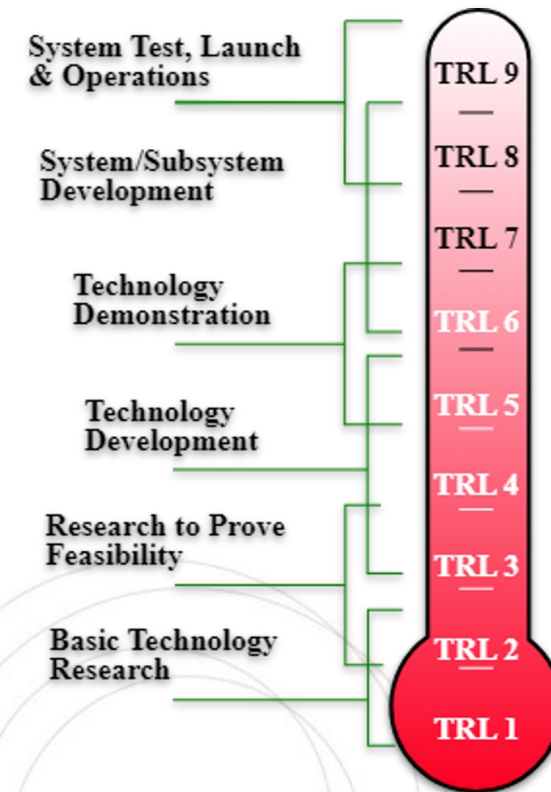
What we know today

- The EOSC Nodes will be the entry points for end users to the entire EOSC Federation.
- An organisation may therefore enrol its activities as an EOSC Node in the EOSC Federation or onboard its services on an existing EOSC Node as a provider.
- A **Node** is composed of FAIR datasets and/or services.
A legal entity (organisation / institute) responsible for the Node commits to comply with a set of common rules and regulations defined by the Federation
- The input provided and experience gained from a **first wave** of EOSC Nodes will be used to define the first version of the rules and regulations Nodes must comply with as members of the Federation
- A set of **minimum requirements** has been proposed by the Tripartite group ([printout provided at registration](#) and online at <https://eosc.eu/building-the-eosc-federation/> via the Nodes tab.

Minimum requirements

The following **minimum requirements** have been proposed and discussed by the Tripartite group

1. The **legal entity** representing the candidate EOSC node must have the authority to establish agreements
2. The candidate EOSC node should have **sufficient resources** to ensure its operation through to the end of 2027 and **ideally for 5 years** or more
3. The candidate EOSC node must have **sufficient capacity and expertise** to be able to ensure that the data and services it includes can be **operated at a high Technology Readiness Level (TRL)**
4. **Data and Services** should be at least **findable** and **accessible** to **registered EOSC users**, while services such as **compute** and **storage capacity** should be available in sufficient quantities to multiple user groups.



- PLEASE ASK YOUR QUESTIONs on SLIDO.COM #2669559

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EOSC Nodes - Minimum requirements #1

The legal entity representing candidate EOSC nodes must have the authority to establish agreements

- A public-benefit legal entity established in MS/AC or International Organisations of European Interest
- The type and text of the legal document to be signed are not yet defined
- Each EOSC Node can represent many data and service providers
- The EOSC Node legal entity is responsible for the providers making their data or services available to EOSC through the node - e.g. to comply with the requirements and regulations of the Federation
- The size or number of providers hosted by an EOSC Node is not limited nor how they are organized amongst themselves e.g. a national/thematic Node could represent many providers
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EOSC Nodes - Minimum requirements #2

The legal entity representing the candidate EOSC Node should commit to providing sufficient resources to ensure its operation for at least 24 months, ideally for 5 years or more.

- The initial EOSC Nodes will be part of the initial Federation and will demonstrate the added value of EOSC
- Those organisations which do not have a sustainability plan for 5 years can still apply to be a Node
- Multi-sites: an EOSC Node can regroup multiple sites, data sources and services from multiple providers under a single legal representation. The legal representative will be responsible for the compliance of all the sites/providers which they represent
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EOSC Nodes - Minimum requirements #3

The candidate EOSC Node must have sufficient capacity and expertise to be able to ensure that the data and services it includes can be operated at a sufficiently high Technology Readiness Level, ensuring robust, reliable and secure performance

- The initial EOSC Nodes will demonstrate the added value of EOSC and should therefore be able to showcase the Federation
- For this reason, they should be good examples of their research community
- Robust and reliable means running a service which is monitored and has high availability e.g. > 90%
- For data this means it must be at least findable and accessible to registered EOSC users, and fulfil the FAIR principles. Eventually, EOSC Nodes should provide support on how FAIR principles are to be interpreted, via e.g. Competence Centres
- For services this means providing a means to broaden their access to more users
- **PLEASE ASK YOUR QUESTIONS on SLIDO.COM #2669559**

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EOSC Nodes - Minimum requirements #4

Data and Services must be at least findable and accessible to registered EOSC users and fulfil the FAIR principles in general, while services such as compute and storage capacity should be available in sufficient quantities to be able to support multiple users groups

- EOSC AAI allows services to be accessible to new users in a controlled manner
- EOSC will provide AAI through the EOSC EU Node so that services which require users to be authenticated can be supported
- Some services may be openly accessible to all (anonymous) users, while others may need specific authorization and could be subject to charges.
- Registered EOSC users are therefore users who registers using their eduGAIN identity
- *Sufficient* means they can support their current community plus additional users
- **PLEASE ASK YOUR QUESTIONS on SLIDO.COM #2669559**

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What we know today

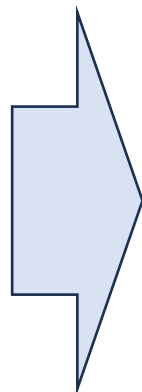
- A **Federation** is an organization made up of members who maintain their own identity and sovereignty but agree to comply with a set of common rules and regulations
- The EOSC Federation will be created by the Tripartite group made up of the first wave of EOSC Nodes who will help define the rules and regulations of the Federation
- The EOSC-A could assume the role of Federation entity in the period 2024-2027, post-2027 still needs to be defined

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Status of the EOSC Federation development

Ongoing activities:

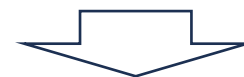
- Definition of the **“node” concept**: minimum requirements for being a node; benefits of becoming a node; duties of a node, etc.
- Definition of the **“rules of participation”** (***enrolment of nodes***) in the EOSC Federation
- Definition of the **process to enrol new nodes** in the EOSC Federation (multiple waves of enrolment of nodes)
- **Financial and governance implications** of the EOSC Federation



The process:

- **EOSC-A Handbook**

EOSC-A is collecting contributors to draft the Handbook of the EOSC Federation (focus on technical operation of the federation) eosc.eu/eosc-federation-handbook/ (deadline 23 May 2024)



- **New EOSC tripartite group**

Representatives of the Tripartite Governance (EC DG RTD and DG CNECT; EOSC Steering Board members; EOSC-A Board of Directors and ad hoc experts appointed by the 3 parties) will meet every 2/3 weeks to discuss

- i) **development of the Handbook** (provide feedback and validate concepts)
- ii) **governance and financial implications** of the EOSC Federation



- **EOSC Tripartite Governance**

The EOSC tripartite group will inform the current EOSC Tripartite Governance (EC DG RTD and DG CNECT; EOSC Steering Board members; EOSC-A Board of Directors) that will take the final decisions concerning the EOSC Federation

The EOSC Federation Handbook will define how the EOSC Federation and Nodes will operate. It is a collective effort written by a core team + experts, reviewed by the Tripartite Group

Timeline for 2024

23 May – deadline for Handbook editors to register

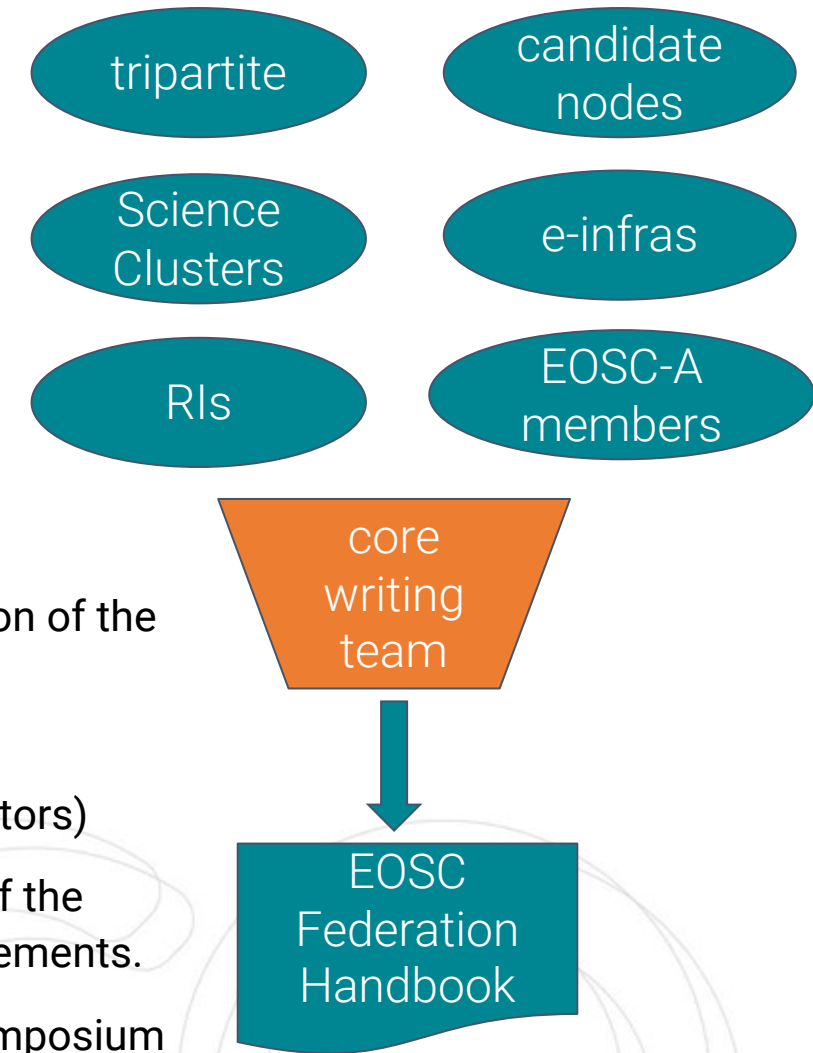
29 May – Feedback + discussion at GA#8

31 May - Next meeting of the Tripartite group, EOSC-A to present the latest version of the timeline and work plan integrating feedback received at GA#8; selection of contributors (**~10 out of 32**)

3 June: Kick-off meeting for the Handbook writing team (core + selected contributors)

19/25 June: Workshop with potential candidate nodes to do a paper-based test of the minimum requirements. The output will be used to refine the minimum requirements.

October – November: Consultation on draft Handbook presented at the EOSC Symposium



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Proposed chapters and order of priority for writing them

- **Purpose [June]**
 - Goals & purpose of EOSC Federation
 - Success criteria for the Federation
- **Operational structure and responsibilities [July]**
 - Federating Entity
 - Nodes
 - Node Use Cases
- **Governance and legal framework [September]**
 - Governance structure
 - Legal framework
 - Policies (Rules of Participation, Access Policy, Acceptable Usage Policy, ELSI, IP, etc.)
 - Communication and External Relations
 - Risk management
- **EOSC platform [October]**
 - FAIR Data & Services (Core, Exchange)
 - Interoperability (EOSC Interoperability Framework)
 - Provisions for cybersecurity coordination
 - Links to external entities (e.g. other data spaces, EuroHPC, etc.)
 - Scientific services (discovery)
 - Training
- **Technical Operations [November]**
 - Linking to EU Node services

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eosc Potential Candidate Nodes Workshop, June 2024

EOSC-A Proposal (to be discussed by the Tripartite group)

Invitation Process for Potential Candidate Nodes :

Invitation material: latest version of the “Minimum requirements” document plus a cover letter from the Tripartite

Applications: *Expression of Interest* by deadline (TBD) + questionnaire on eosc.eu website

Country-level

- Through the EOSC-SB Delegates
- Via the Mandated Organisations in EOSC-A

Research Infrastructures

- ESFRI RI Working Group of EOSC-A
- ESFRI Landmark RIs (via EC and / or ESFRI Chair)

e-Infrastructures

- e-Infrastructure Forum in EOSC-A

INFRAEOSC projects - by the EC



Reporting



meosc

Q&A