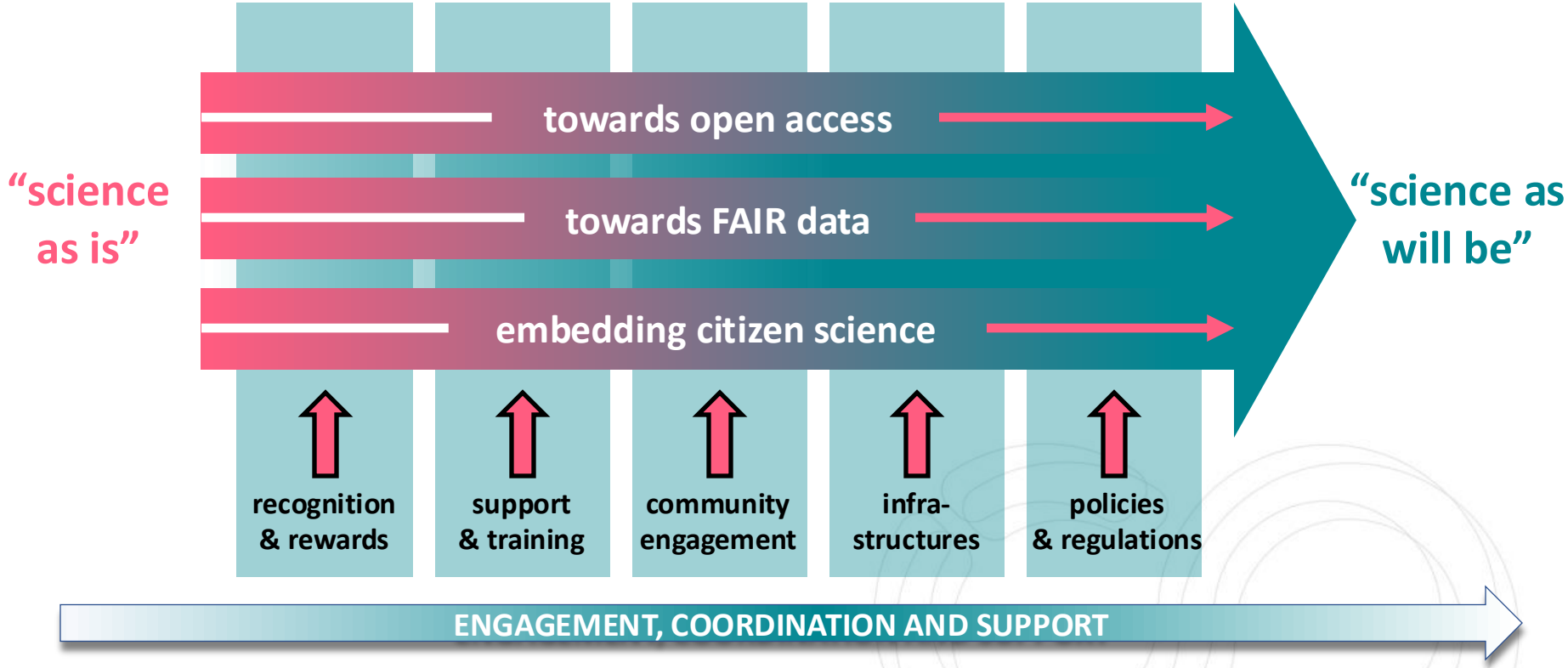
EOSC and the role of the EOSC-A

Karel Luyben
EOSC-A President

National Tripartite Event
Spain, 24 September 2024

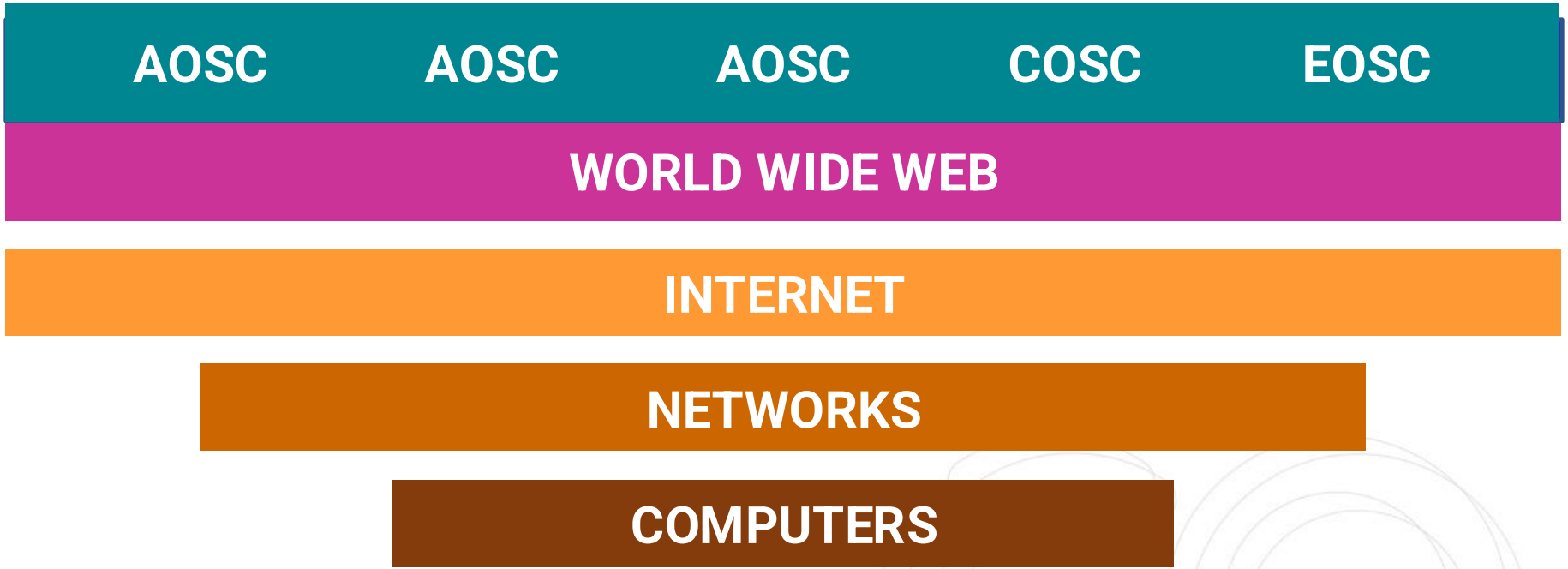
Open Science



Defining EOSC

EOSC is the extra support we can offer for research in Europe based on a federated structure (EOSC Federation) of contributions (EOSC Nodes) that are part of the Web of FAIR Data and Services.

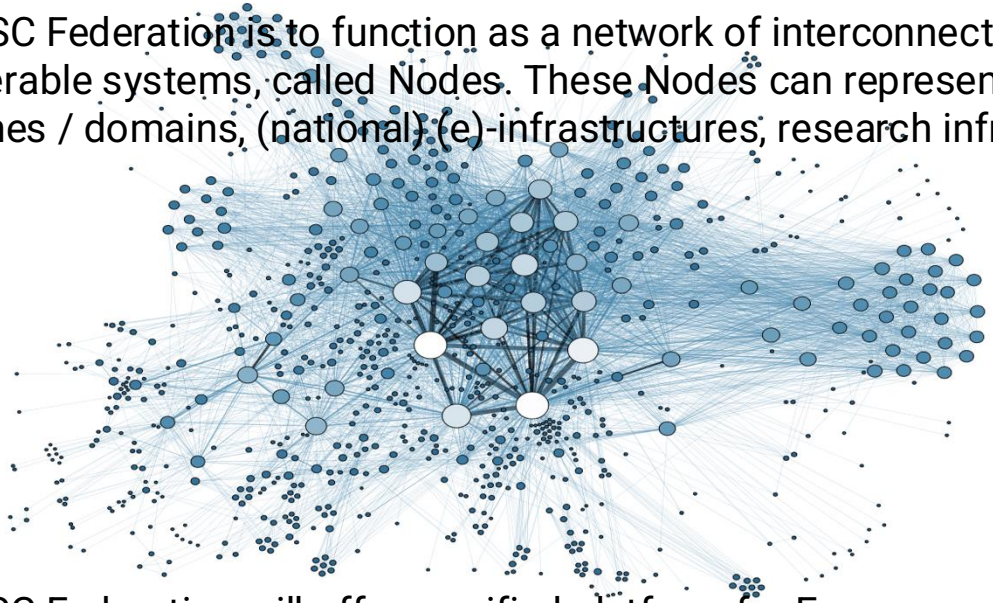
EOSC – additionality on the web of FAIR data



Modelled after: World Wide Web - Wikipedia

Defining the EOSC Federation

The EOSC Federation is to function as a network of interconnected and interoperable systems, called Nodes. These Nodes can represent scientific disciplines / domains, (national) (e)-infrastructures, research infrastructures, etc.



The EOSC Federation will offer a unified platform for European researchers to discover, access, and reuse FAIR (Findable, Accessible, Interoperable, and Reusable) scientific data (digital research outputs). This fosters collaboration, increases productivity, and ultimately drives scientific excellence.

European Open Science Cloud Partnership

EOSC STEERING BOARD

European Commission

DG-RTD
DG-CNECT

Anna Panagopoulou

Member States and Associated Countries

Volker Beckmann

MoU

Partnership Board

MS/AC collective representation

Exchange of information

EOSC ASSOCIATION

President
Karel Luyben

Secretary General
Ute Gunsenheimer

BOARD

General Assembly

(including organisations performing research, funding research, providing services, organisations mandated by MS/AC and other organisations)

Strategic Research and Innovation Agenda (SRIA) and Multiannual Roadmap (MAR)

eosc.eu/sria-mar

Multi-annual roadmap sets priority activities and outcomes grouped by 3 implementation levels – European, National, Institutional

Three phases of MAR

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

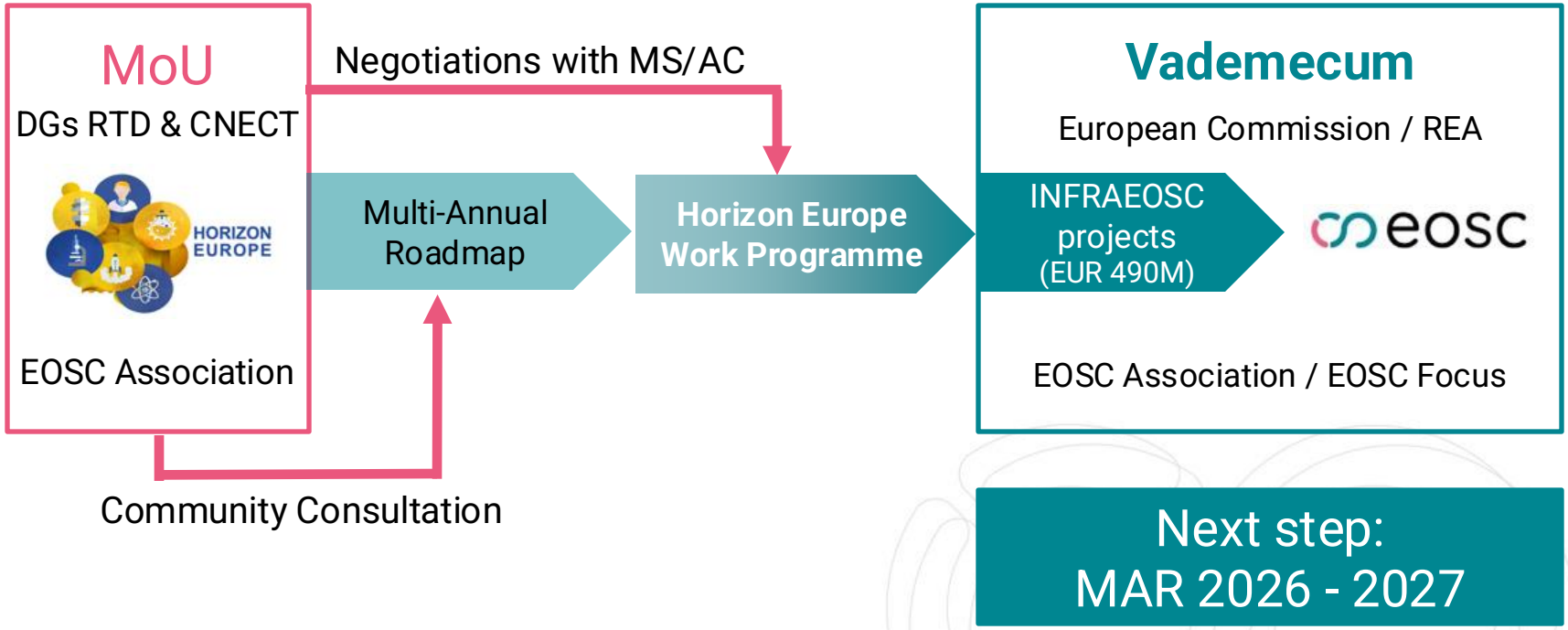
SRIA 2.0 in the making

- Chapter 1: Introduction
- Chapter 2: EOSC Description
- Chapter 3: Interoperability
- Chapter 4: FAIR Data and Metadata
- Chapter 5: AI for FAIR and FAIR for AI
- Chapter 6: Services
- Chapter 7: Governance

https://eosc.eu/sria-2-0-community-consultation/#SurveyInsights

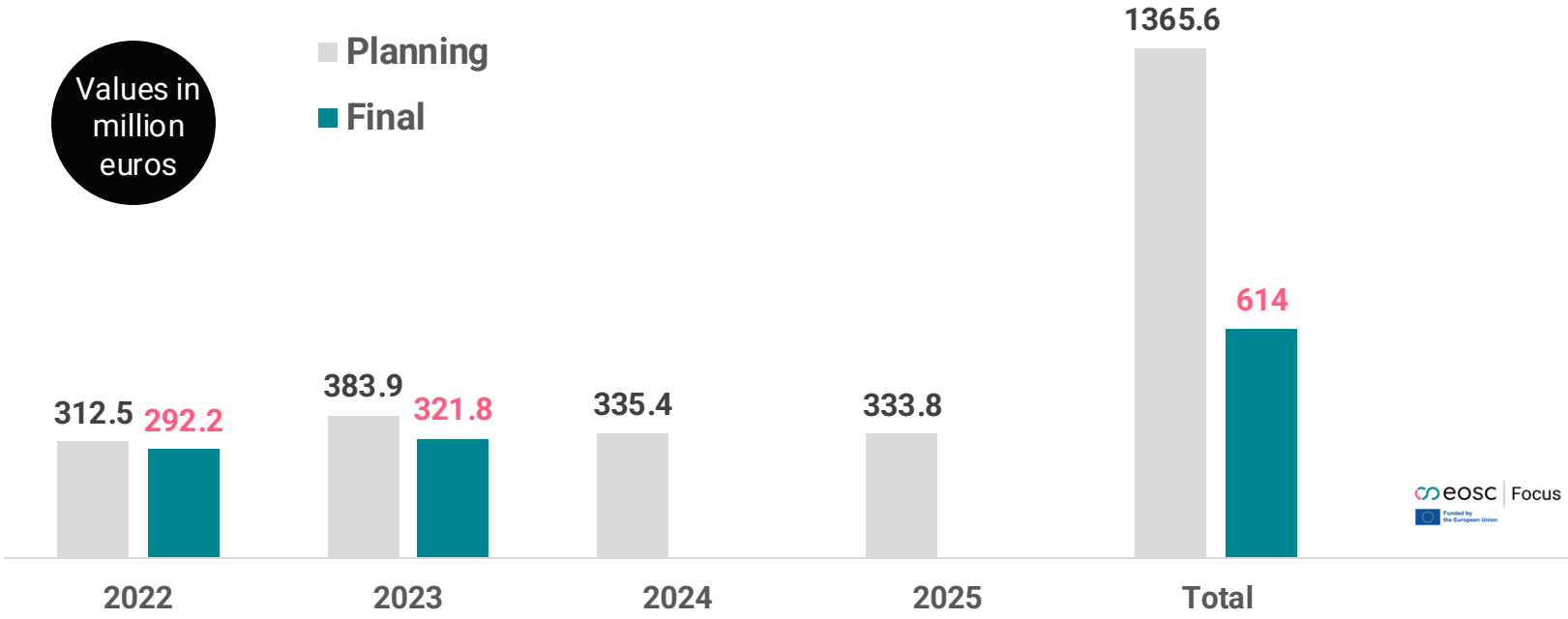
Delivering EOSC – the Process

The critical role of the INFRAEOSC Projects



In-Kind Additional Activities

AAP/AAR 2022-2025

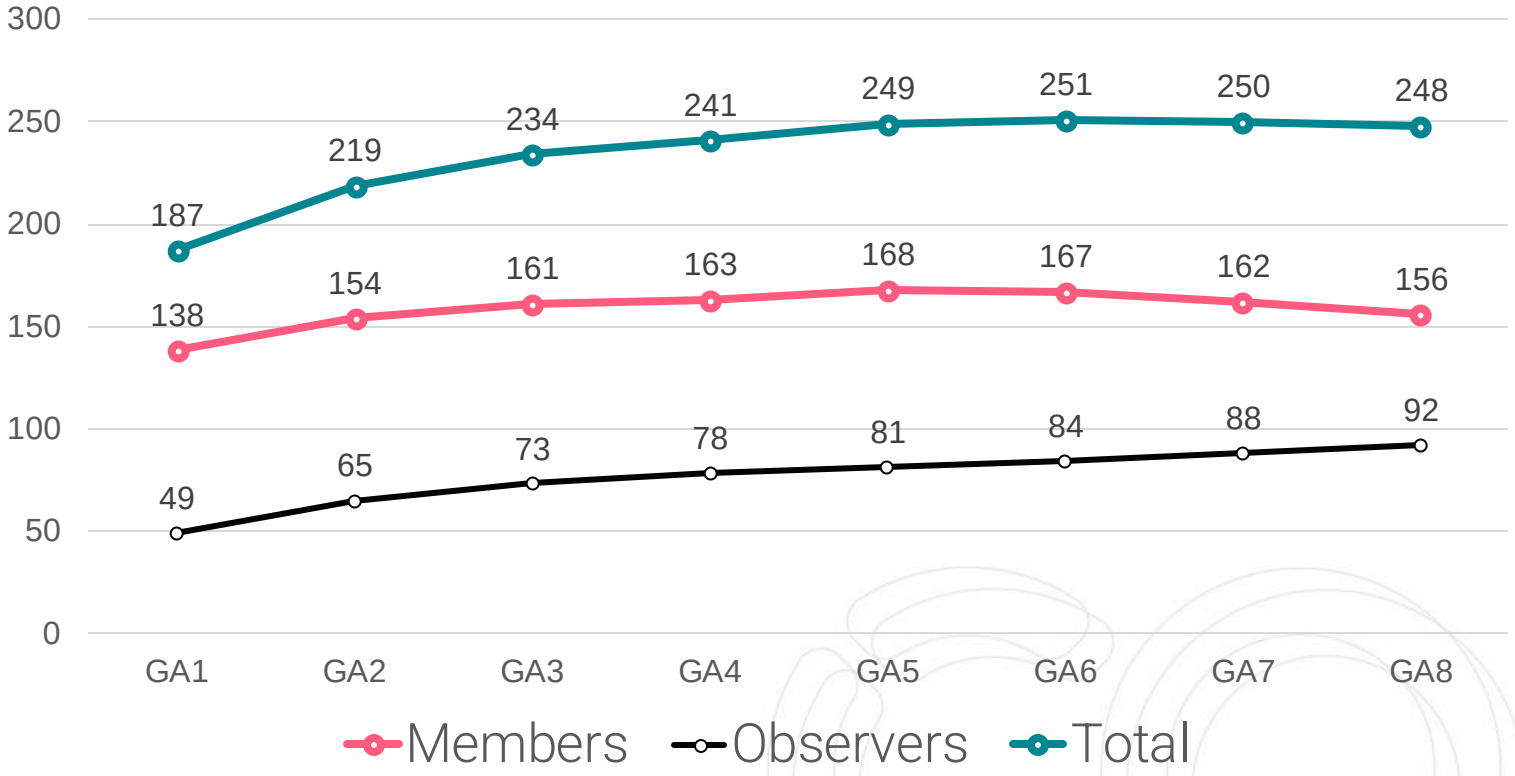


The EOSC-A

- Composition
- Task forces
- INFRAEOSC EU Projects
- Relevant Events coming next

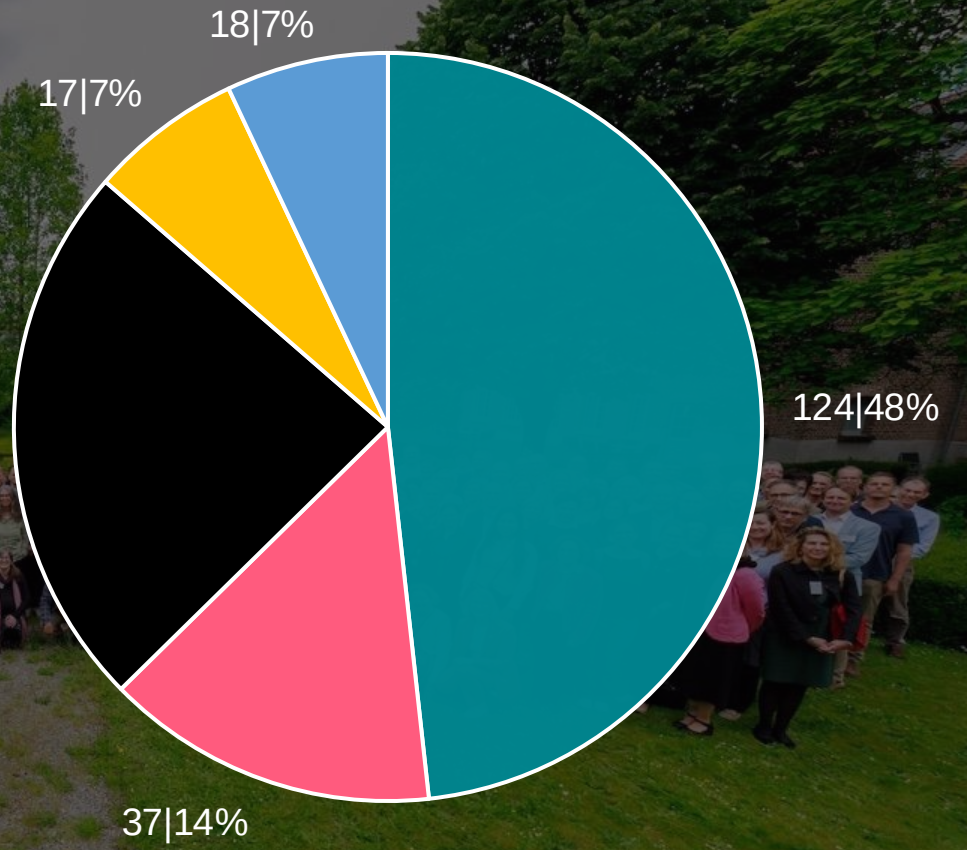
EOSC-A: the representative Voice of the stakeholders

Evolution of the EOSC-A member base



257

EOSC Association
Members & Observers



29 Spanish institutions

(*) Until December 2024

Dedicated Fora in EOSC-A

Mandated Organisations

Bi-directional role: MOs are evolving into community hubs in their countries, bringing the European-level EOSC developments to their national contexts

ESFRI RI Working Group

Established at GA#5, November 2022. Re-launched with intense Node discussion

e-infrastructures Forum

Bi-monthly meetings initiated by e-infras

RPO Umbrella Organisation

Outreach via our Members who represent intermediaries in the ecosystem, such as university alliances, networks of RPO's.

Funders Forum

Brings together national and European funders to coordinate and align investments and policies related to Open Science and the EOSC ecosystem

Task Forces
and
Opportunity Area Expert Groups

EOSC Association Task Forces

	FAIR Metrics and Digital Objects	Health Data	EOSC Technical and Semantic Interoperability	Long-Term Data Retention
Co-chairs	Elli Papadopoulou, Athena RC; and Mark Wilkinson, UPM	Lene Krøl Andersen, Computerome, DTU; and Petr Holub, BBMRI-ERIC & Masaryk University	Diego Scardaci, EGI Foundation; Jiří Marek, Masaryk University; Christos Kanellopoulos, GÉANT	Jenny O'Neill, HEAnet
Members	51	44	60	37
Board liason	Klaus Tochtermann	Ignacio Blanquer	Bob Jones	Sara Garavelli

Driving Collaboration among EOSC Projects

eosc

Winter School 2025

The week of 20 - 24 January 2025 / Spain

Save the date!

eosc.eu | #eoscwinterschool2025

eosc | Focus

Funded by the European Union

EOSC Related projects

EOSC | cancer AI4 | EOSC EOSC | SIESTA EOSC | TITAN

Coordinated by Spanish Institutions

EOSC | Focus Skills 4 EOSC EOSC | Blue-Cloud2026 (A federated European FAIR and Open Research Ecosystem for oceans, seas, coastal and inland waters) EOSC | RAISE EOSC | FAIR-IMPACT

EOSC | EuroScienceGateway EOSC | EVERSE EOSC | BEYOND EOSC | ENTRUST (European Network of Trusted Research Environments)

ostrails BY-COVID EOSC | OSCARS (Open Science Clusters' Action for Research & Society) EOSC | AquaINFRA Scilake

Participated by Spanish Institutions

EOSC | FAIRCORE4EOSC

EOSC | FAIR-EASE

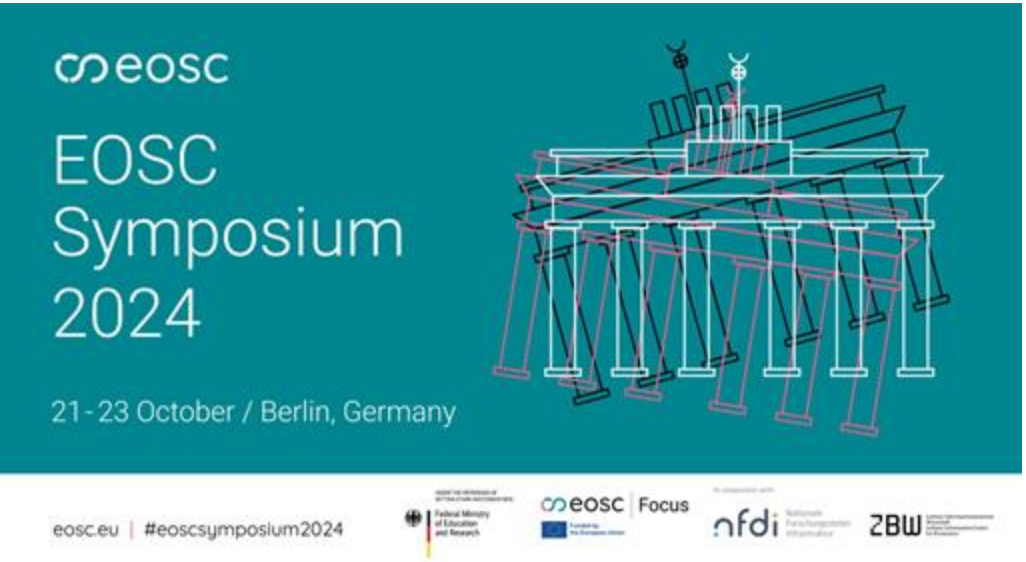
CRAFT-OA | EOSC

RDA TIGER | EOSC

graspos (open research metrics dataspace)

+ 9 new projects (INFRA-2024-EOSC-01-01): RI-SCALE, FAIRtoAdapt, FIDELIS, **EOSC-Gravity**, EOSC-DataCommons, etc.

Next events



Four Board of Director positions open

THANK YOU for YOUR ATTENTION