Changing gears to accelerate EOSC

eosc | Steering Board

#EOSC #EOSCTripartite
#OpenScience #EUResearchArea

21 October 2024

Research and Innovation

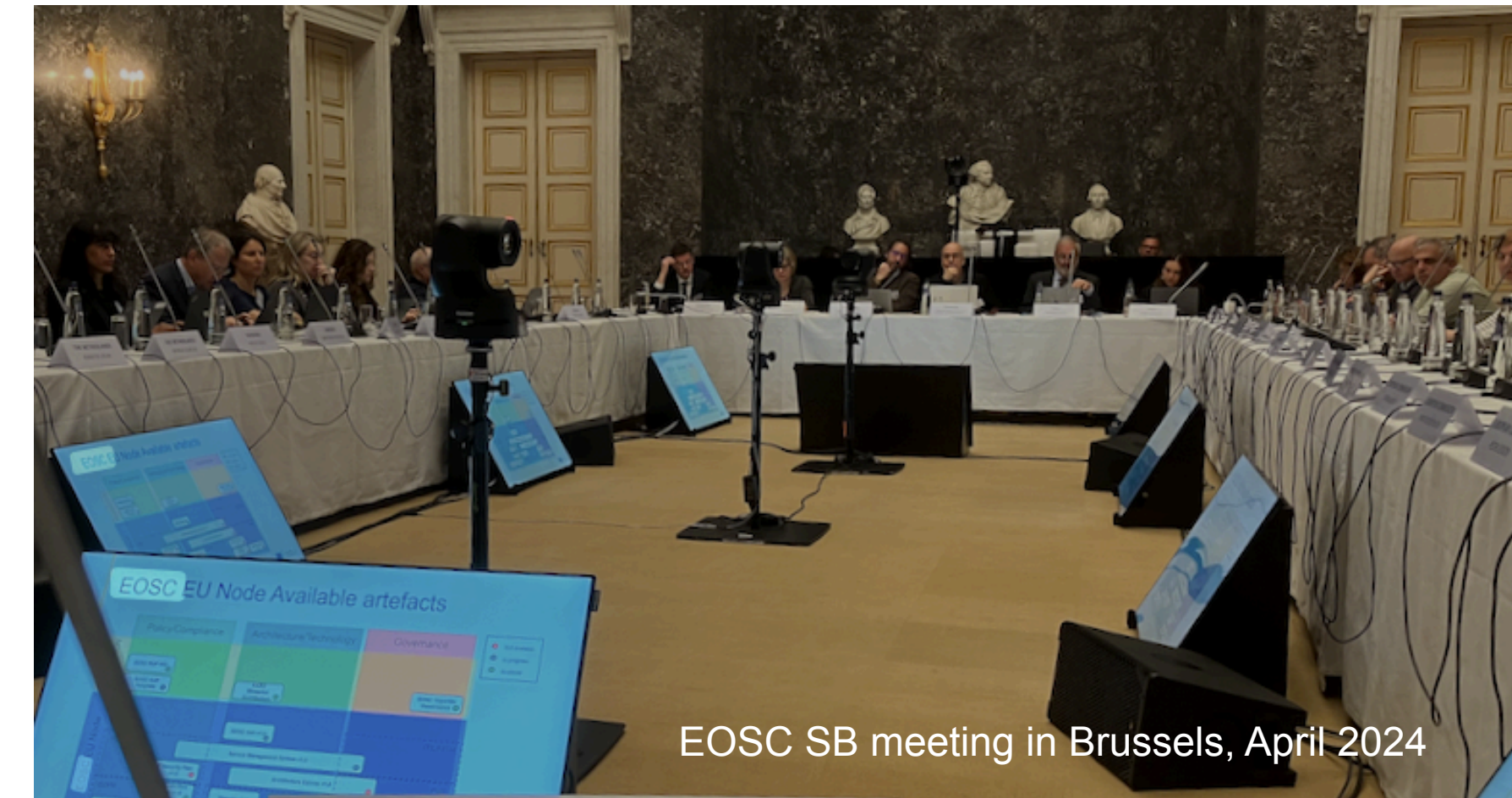Volker Beckmann
EOSC-SB co-chair
French Ministry for
Higher Education and Research

MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE
Liberté
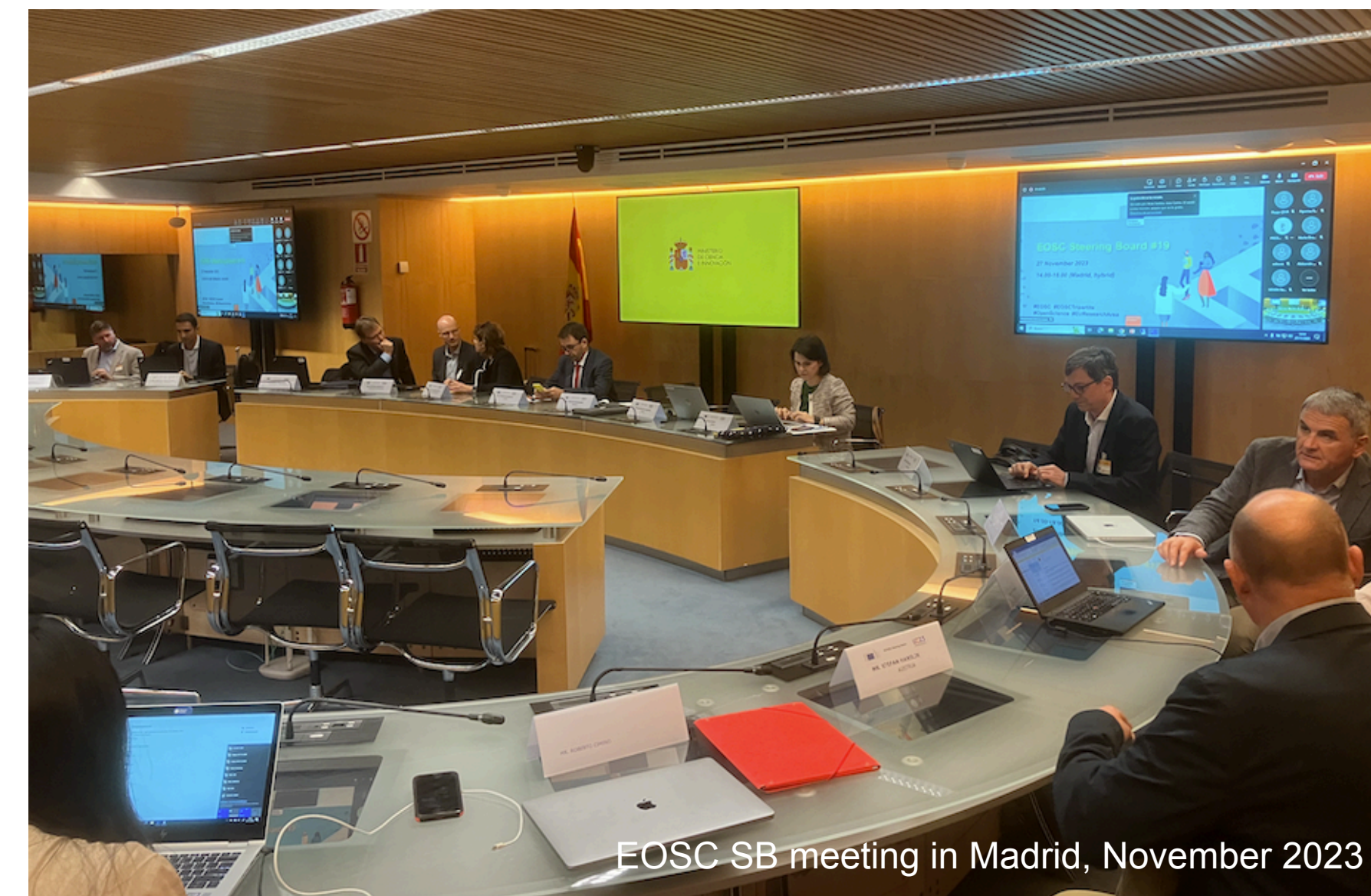*Égalité*
Fraternité

European Commission

Who we are and what we do

The [EOSC Steering Board](#) (since 03/2021):

- Commission Expert Group
- Representatives of 27 Member States and 13 Associated Countries of Horizon Europe
- co-chaired between EC and countries' representatives since 02/2022
- Represent the interests of the MS/AC in the EOSC governance
- Address policy issues relevant for the development of EOSC
- Ensure information flow between EOSC governance and ministries
- Interconnect with other relevant initiatives/programmes on EU level
- Meet ~6 times per year
- Advance work in subgroups (Monitoring, Policies, …)
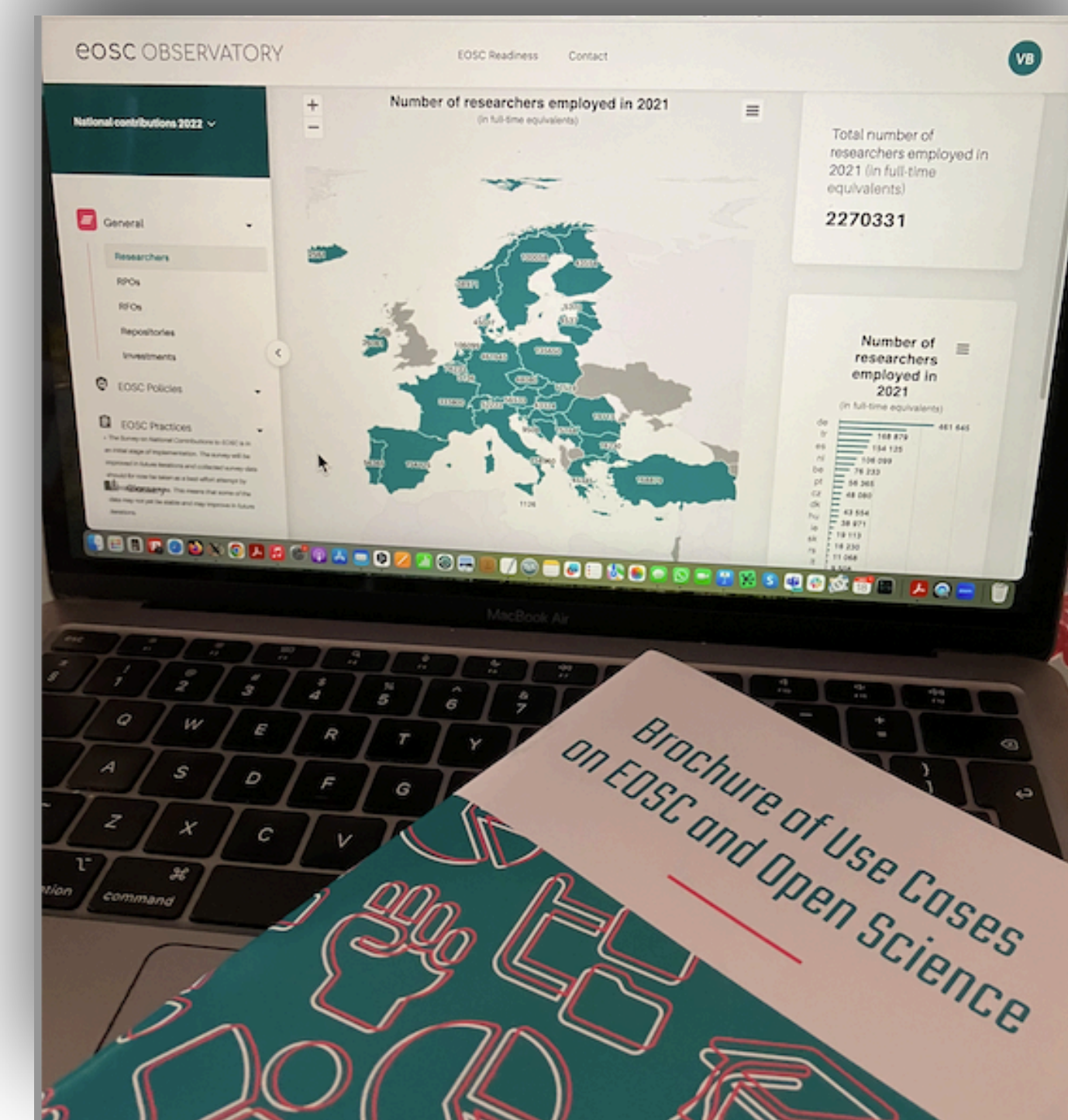

EOSC SB meeting in Brussels, April 2024

EOSC SB meeting in Madrid, November 2023

Monitoring EOSC and Open Science

EOSC Steering Board Survey 2023:

⭐ Focus on Policies and Practices (e.g. investment, monitoring) and Use cases

⭐ Survey launched 01/2024, analysis about to be finalised

⭐ 32 countries replied and validated

⭐ 2659 data points, 83/96 questions answered on average

⭐ 63% of the countries have a national policy on Open Science

⭐ 479 M€ total investment into EOSC and Open Science in 2022

⭐ Brochure of Use Cases on EOSC and Open Science :
   https://zenodo.org/records/10822698

⭐ 2023 survey data available and soon visible in the
   EOSC and Open Science Observatory (2021, 2022, and 2023 survey data)

⭐ New look of the Observatory coming soon

Data of Survey on National Contributions to EOSC and Open Science 2023: https://zenodo.org/records/13950727

EOSC-SB opinion paper on monitoring Open Science: https://op.europa.eu/s/yPih

EOSC and Open Science Observatory publications in Zenodo: https://zenodo.org/communities/eoscobservatory

Monitoring EOSC and Open Science

Monitoring the European Open Science Cloud (EOSC)

The EOSC Open Science Observatory offers a all-inclusive platform where you can access, explore, visualize and download comprehensive data on the advancement of Open Science (OS) across Europe.

Explore

Open Science by Area
Search data on Open Access publications, Open software, infrastructure, training, and more.

Open Science by Country
Compare OS initiatives across Europe, country by country.

Open Science Trends
Track the latest patterns and shifts in OS across Europe.

Investments in EOSC
With lots of unique blocks, you can easily build a page without coding. Build your next landing page.

Open Science Monitoring
Access data on national monitoring initiatives of EOSC and OS.

Open Science Use Cases
Discover practical OS use cases from various disciplines.
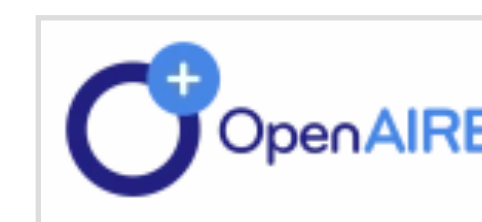
Open Science Policies
Examine OS policies at national, financial, RPO, and RFO levels.

Open Science Resource Registry
Explore full texts of strategies, policies, and other OS documents. from countries
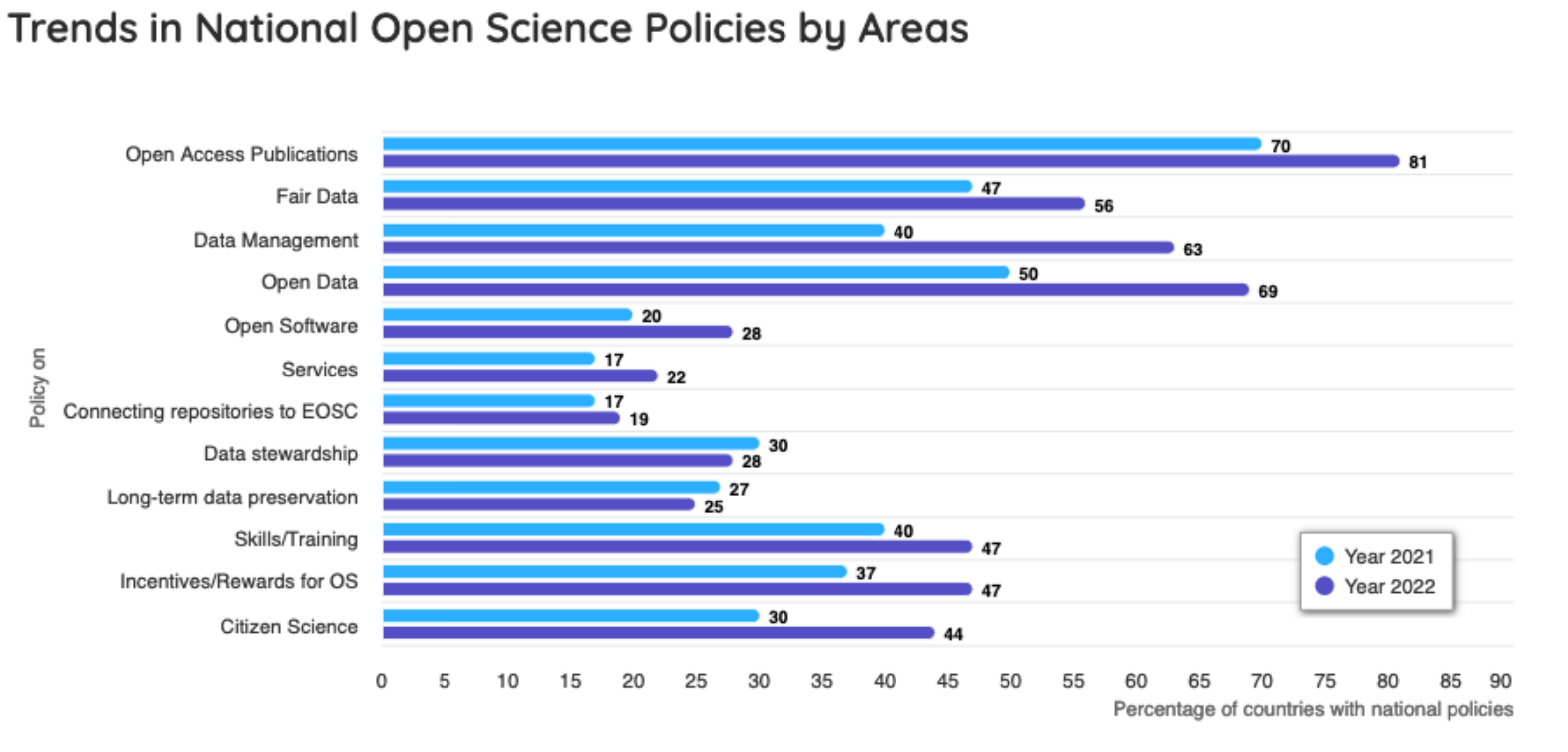
Open Science Impact
Assess the impact of OS initiatives —detailed insights coming soon.

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Trends in National Open Science Policies by Areas

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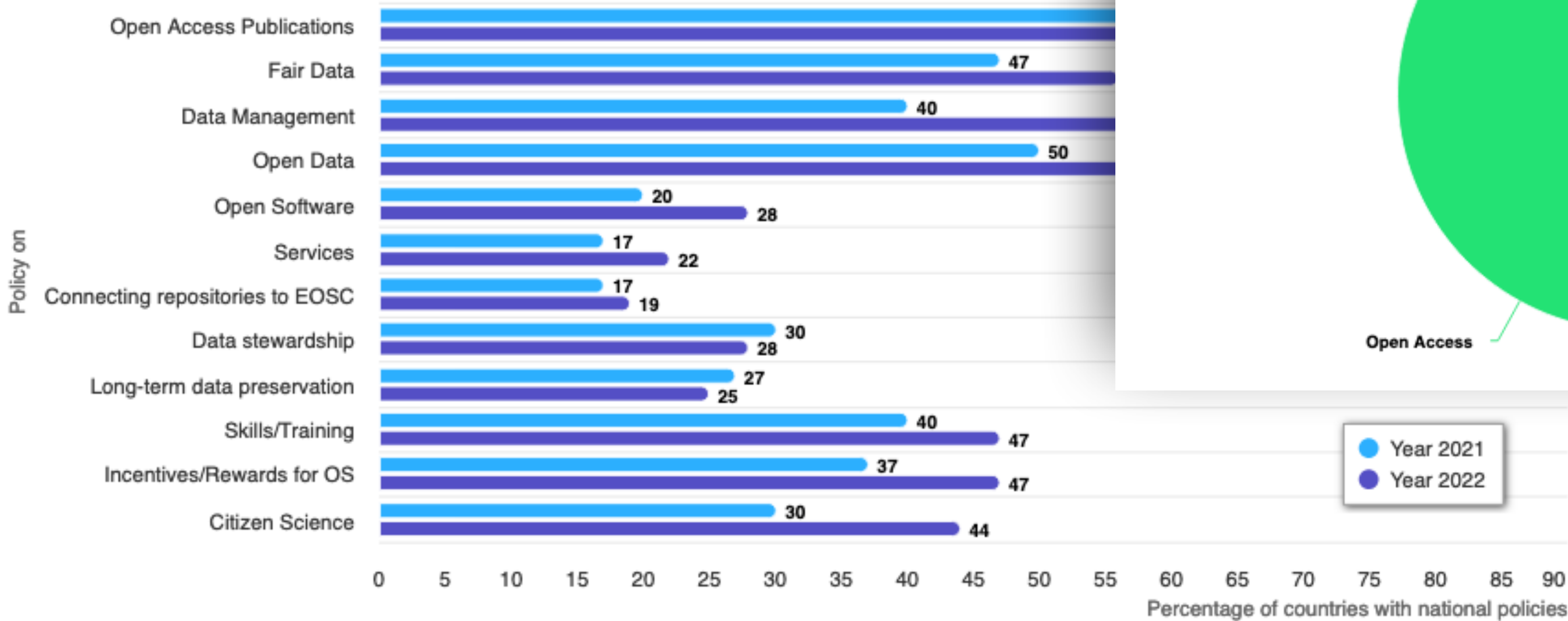
Trends in National Open Science Policies by Areas

Overview of investments in EOSC and Open Science
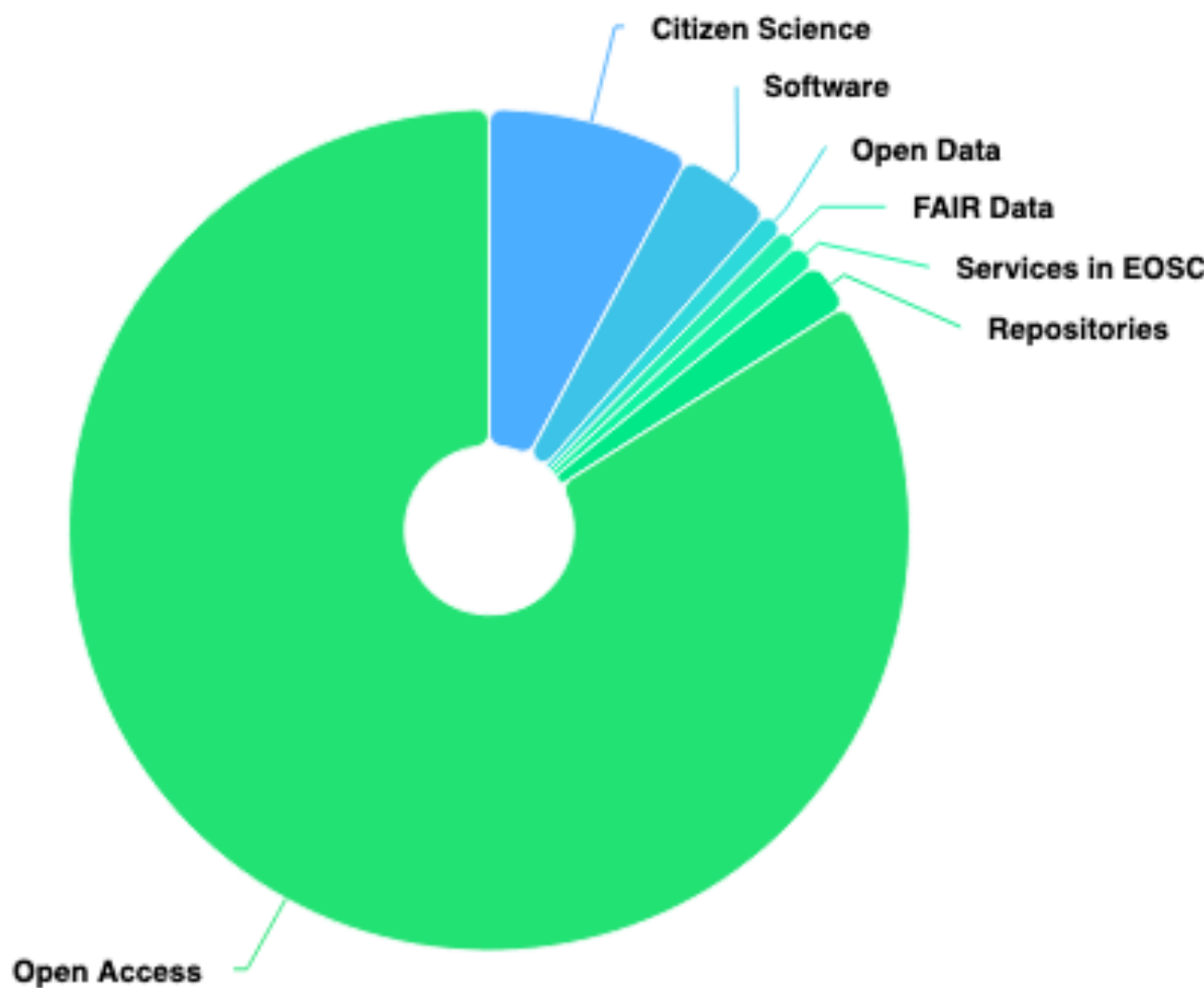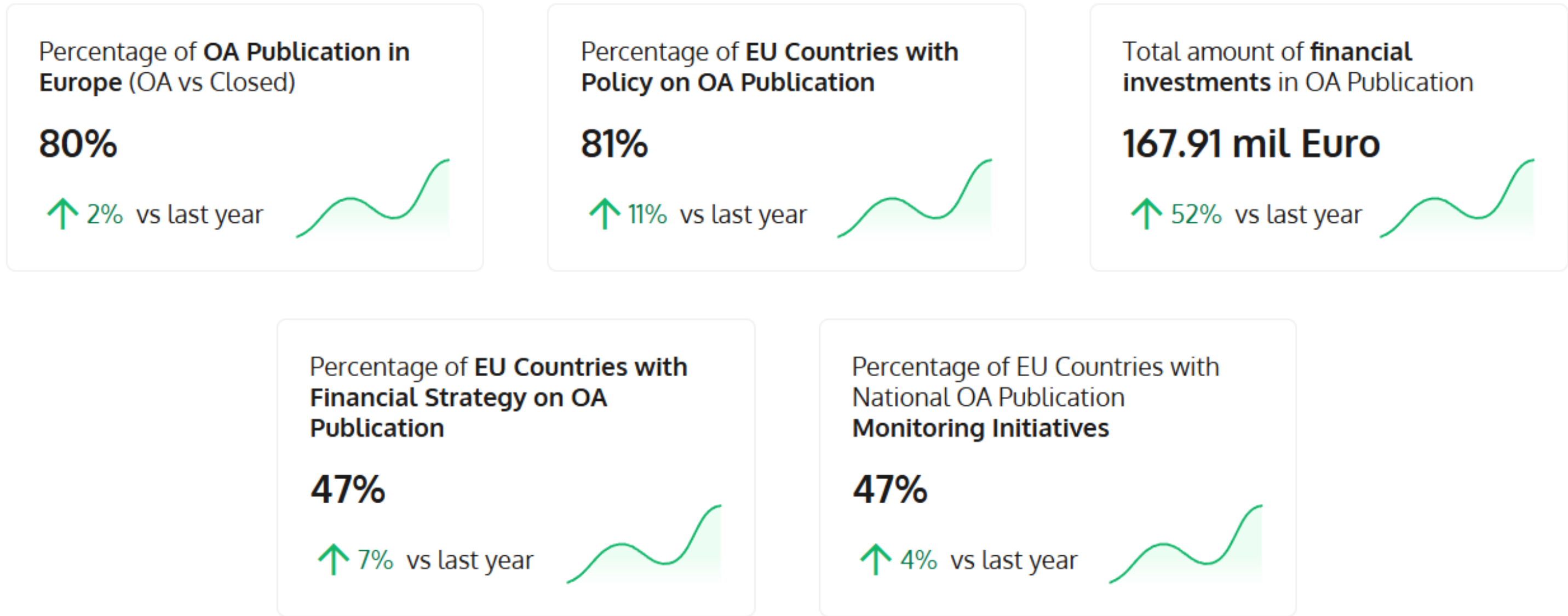
Monitoring EOSC and Open Science

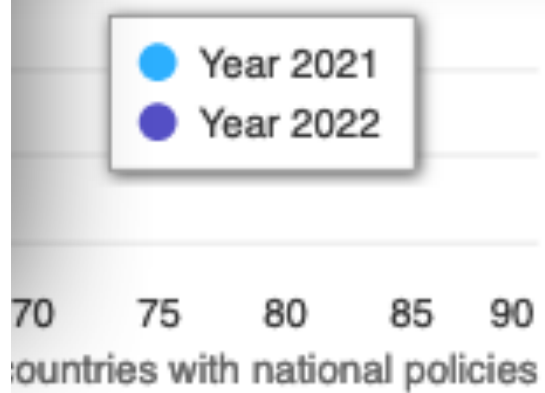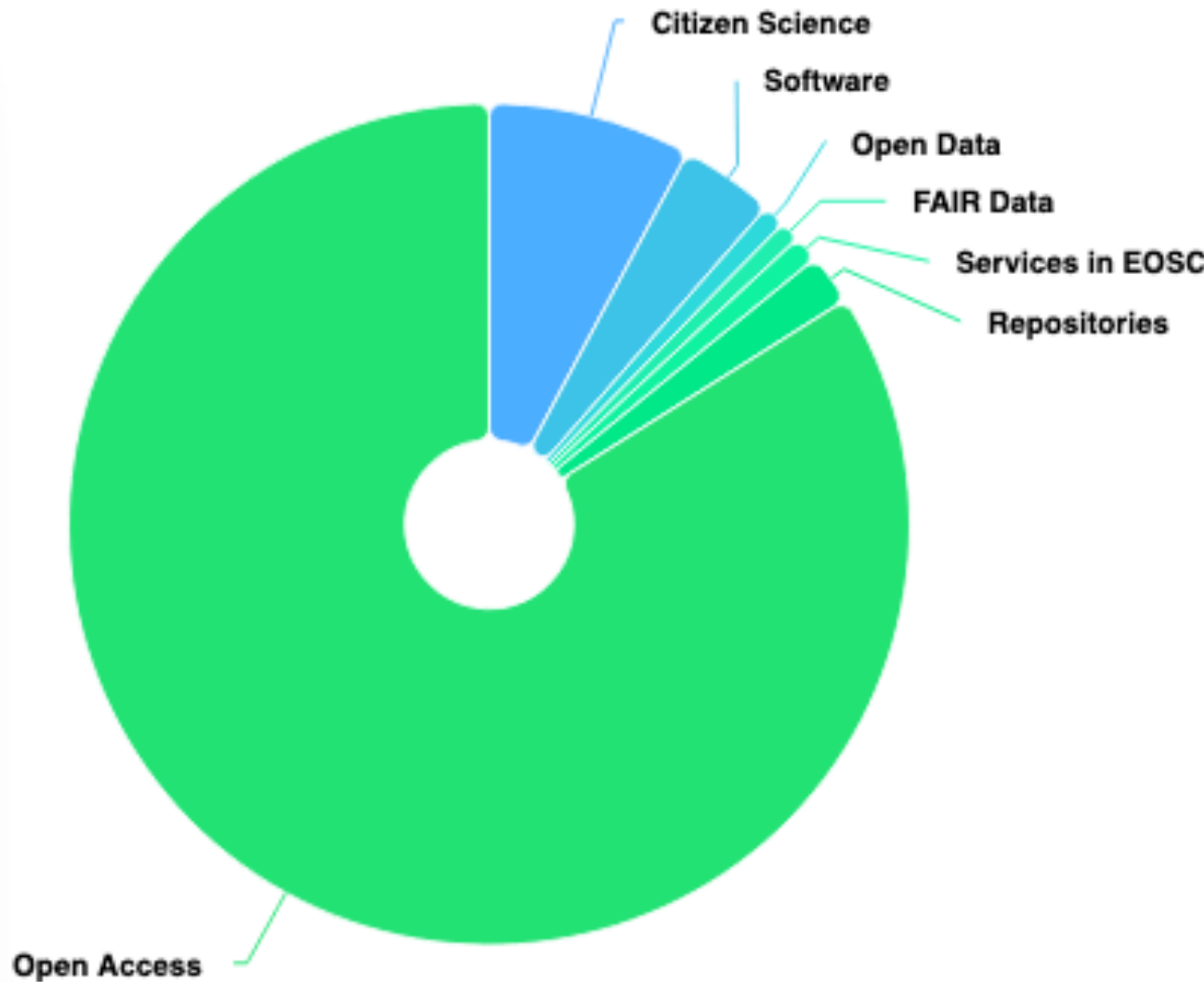## Monitoring the European Open Science Cloud (EOSC)

The EOSC Open Science Observatory offers a all-inclusive platform where you can access, explore, visualize and download comprehensive data on the advancement of Open Science (OS) across Europe.

General Overview of Open Access Publishing in Europe for 2022

Percentage of **OA Publication in Europe** (OA vs Closed)

80%

↑ 2% vs last year

Percentage of **EU Countries with Policy on OA Publication**

81%

↑ 11% vs last year

Total amount of **financial investments** in OA Publication

167.91 mil Euro

↑ 52% vs last year

Percentage of **EU Countries with Financial Strategy on OA Publication**

47%

↑ 7% vs last year

Percentage of **EU Countries with National OA Publication Monitoring Initiatives**

47%

↑ 4% vs last year

Data source: Survey on National Contributions to EOSC and Open Science.

Overview of investments in EOSC and Open Science

Citizen Science
Software
Open Data
FAIR Data
Services in EOSC
Repositories

Open Access

Year 2021
Year 2022

70   75   80   85   90

countries with national policies

Accelerating EOSC with and for RIs

- Largest research data providers: research infrastructures

- ESFRI-EOSC Task Force to reduce fragmentation of the research data landscape and increase FAIR research data productivity in Europe

- January workshop by the ESFRI-EOSC Task Force

- Opinion paper (TF + SB) : FAIR Data productivity and advanced digitalization of research

- Next workshop in November on "Prototyping the EOSC Federation Nodes and Linkages"

Fair Data productivity
and advanced
digitalization of research
An opinion paper
by the ESFRI-EOSC Task Force
and Steering Board
expert group (E03756)
March 2024¹

Prepared by:
ESFRI-EOSC Task Force¹
¹ Full list of contributing members on page 8

EOSC Federation

- Next step towards a more tangible EOSC

- EOSC EU Node + a large number of thematic and infrastructure nodes at national, regional and international level

- Make EOSC project results available to all researchers — beyond the projects' duration

- Providers in the EOSC Federation benefit from the increased visibility, collaboration, support, sustainability and influence

- New users, new research opportunities

- Fully in line with countries' perspective: maximise return on investment into research, share and pool resources (FAIR data, services, e-infrastructures)

EOSC beyond Horizon Europe

- post-2027

- What structure, governance, financial model shall be in place for EOSC ?

- Tripartite, more permanent solution for the core of EOSC (e.g. legal entity to ensure continued service), stronger engagement of member states / associated countries

- Discussion in the context of the 10th framework program negotiations — and in view of the overall landscape (e.g. Letta report, Draghi report)

- Intensify exchange on these points at EOSC-SB to deliver recommendations in ~spring 2025

EOSC Steering Board

- Monitoring: all dimensions of Open Science — providing a complete picture through the EOSC and Open Science Observatory

- Policies: FAIR Data productivity and advanced digitalization of research

- ESFRI - EOSC task force: strong link to research infrastructures >>> recommendations and actions

- EOSC Federation: tangible web of FAIR research data and services with strong support from the countries

- EOSC after Horizon Europe: governance and financial structure, key discussion and recommendation by mid-2025

- EOSC Steering Board changes gears to accelerate EOSC at EU and at national level

Merci !