



EOSC Steering Board

Main achievements and plans for 2023

**#EOSC #EOSCTripartite
#OpenScience #EUResearchArea**

*Research and
Innovation*



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

EOSC Steering Board



- Successor of the EOSC Governance Board
- First meeting 03/2021
- Representatives of 27 Member States and 12 Associated Countries of Horizon Europe
- co-chaired between EC and countries' representatives since 02/2022



EOSC-SB meeting June 2022 in Paris; photo: Thomas Neidenmark



Steering Board: what we do



- 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
 - Exchange best practices to advance EOSC on national and EU level
 - Interconnect with other relevant initiatives/programmes on EU level
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- Meet ~6 times per year
 - Advance work in subgroups (Monitoring, Policies, ...)

Steering Board: what we do



1. Policies



2. Practices



3. Impact



European
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Policy-oriented achievements



EOSC Steering Board monitors the EOSC landscape

- Which areas need most urgently our attention?
- Where can policies help to advance?

In 2022, three policy issues were identified:

- EOSC and data literacy
- EOSC and the commercial partners
- EOSC sovereignty on FAIR data

EOSC and Data Literacy



Background:

- ★ Skills & Competences need for digital transition and EOSC. Holistic, coherent and visible education and training paradigm.

Objectives (subset):

- ★ Open data skills for researchers at all career stages, sustainable support researchers, mutual learning, awareness for FAIR data and data literacy

Opinion Paper 1

Recommendations at EU, national and institutional level (some key words):

- ★ European framework for FAIR data skills, European network of Data Competence Centres
- ★ Coordination, mutual learning, recognition of data skills, learning programmes

EOSC and Commercial Partners



Background:

★ Participation by commercial partners (as users/providers) provides opportunities and risks.

Objectives (subset):

★ concept for effective collaboration between all sources of competence that share the vision of an open science and innovation system

Opinion Paper 2

Recommendations at EU and national (some key words):

★ Analyse risks/benefits, review RoP, explore synergies (e.g. with GAIA-X, data spaces)

★ Coordinate investment at national level, discuss in national tripartite events

FAIR data sovereignty in EOSC



Background:

- ★ FAIR data are common goods; responsibilities to protect FAIR data value of use and reuse

Objectives (subset):

- ★ Sovereignty on research FAIR data (SFD) as common practice (EOSC tripartite, research communities, developers and operators of the EOSC)

Recommendations at EU and national (some key words):

- ★ RoP evolve with quality standards, EOSC Interoperability Framework development, guidelines
- ★ Contributors clearly identified, national EOSC-ready nodes and policies, quality assurance

Opinion Paper 3

Monitoring Open Science



Background:

- ★ Deploy Open Science principles, share best practices and monitor evolution

Objectives (subset):

- ★ one-stop-shop for Open Science monitoring, identify gaps, make information as open as possible to all

Recommendations at national and institutional level (some key words):

- ★ Aim at large participation in Open Science at national and institutional level
- ★ Reach a number of ambitious targets by 2024
- ★ EOSC SB to discuss, communicate, validate, develop and refine policies

Opinion Paper 4



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EOSC Steering Board Statement



We, the EOSC Steering Board collectively:

- **Recognise** EOSC as the overarching transverse European Data Space for research. EOSC shall be implemented as orthogonal and supplementary to the thematic European Data Spaces, which in turn should capitalise on expertise and solutions developed in the context of EOSC.
- **Recognise** EOSC to be an accelerator of the digital transition, comprising FAIR digital objects as well as people with data science and management competences.
- **Reaffirm** the importance of the sovereignty of the research sector as FAIR data provider in EOSC.
- **Invite** to open EOSC to the public sector at large and to partners from the commercial sector that are dedicated to Open Science, considering them as providers and users of the EOSC ecosystem, which is developed to be a public good.
- **Call** all research and innovation stakeholders to commit to making Open Science the new normal, and to achieve this goal develop and deploy the necessary science policies and supplementary financial investments.
- **Commit** to support the progress towards Open Science and the advancement of EOSC implementation by facilitating monitoring, exchanging practices, and promoting mutual learning across countries and communities.



Practice oriented achievement: Monitoring Open Science



- Member states / associated countries (MS/AC) : support the EOSC through policy development, financing of EOSC-relevant infrastructures and organisations, help with the coordination of activities at European level
- in short: policies & financing

Motivation for monitoring :

- sharing of best practices : what works ? Can it be applied in other countries ?
- overview of actual investment
- demonstrate the commitment of MS/AC to EOSC providers
- monitor evolution in the ERA context
- motivate MS/AC to do better & more for the EOSC

EOSC-SB Survey in Context

"Open Science as the new normal" monitoring (with additional partners)

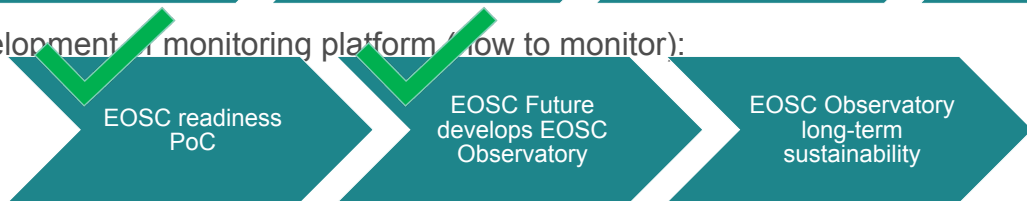
ERA ➤ High-level EOSC readiness KPIs	NPR ➤ Policy development to advance Open Science	EOSC SB ➤ National investments into EOSC ➤ Policy development to advance EOSC	EOSC Association ➤ In-kind contributions to the EOSC ➤ Members of EOSC A
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EOSC Observatory as collection, analysis, and presentation point of EOSC readiness

Development of KPIs (what to monitor):



Development of monitoring platform (how to monitor):



EOSC-SB Survey 2021: results

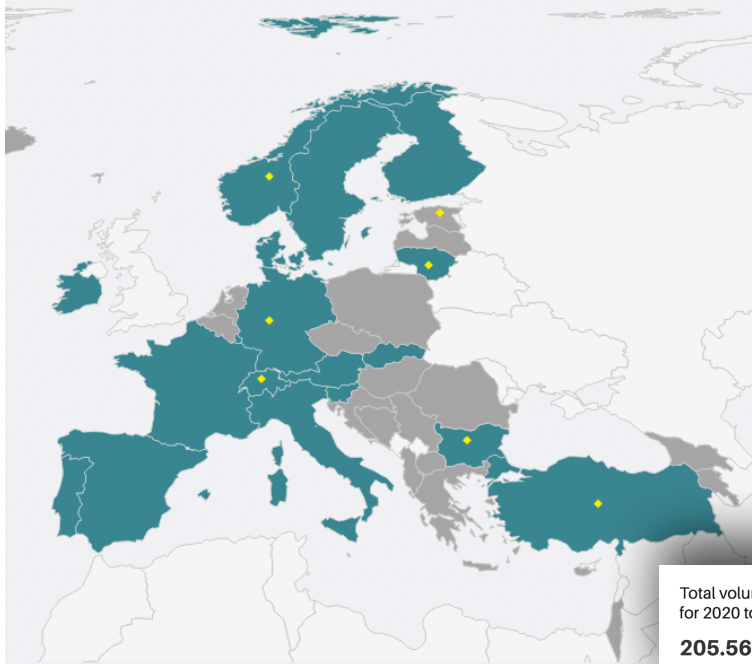


EUROPEAN OPEN
SCIENCE CLOUD

| EOSC Observatory

EOSC-relevant Policies in Place at national or regional level

There are one or more policies relevant for the EOSC in place



♦ Countries with financial strategies linked to the policy

Total volume of financial contributions
for 2020 to the EOSC

205.56 M

Stay tuned for the opening of
the EOSC Observatory and
results in the next session and
for the launch of the EOSC
Observatory tomorrow morning
at 11 am !



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Policy-oriented plans



- Engaging in implementing the recommendations of the 4 Opinion Papers
- Push for rapid development of Open Science policies in our countries
- Tackle additional policy issues (as discussed yesterday)
- Work closely with EOSC-Association, EC and other partners (e.g. ESFRI, e-IRG, EuroHPC)

Practice-oriented Plans: EOSC Steering Board Survey

- Extend to all aspects of Open Science (e.g. Open Access to publications, Citizen Science, ...)
- Clarify methodology for determining national financial contributions to EOSC
- Continue to coordinate with other monitoring exercises to avoid overlaps (e.g. with respect to EOSC-Association survey)
- Favour pulling information over survey questions to be answered by EOSC-SB members
- Accompanied by EOSC-SB Opinion Paper 4 and EOSC-SB Statement to achieve Open Science goals

Indicators and implementation target by 2024	Implementation target on national or sub-national level	Institutional level		Share of countries having best practice use cases on Open Science
		<i>Share of the country's RFOs</i>	<i>Share of the country's RPOs</i>	
Policy on Open Access to publications - on mandatory OA to publications - on immediate OA to publications	100% of MS/AC >75% of MS/AC >50% of MS/AC	100% 75% 50%	100% 75% 50%	100% 75% >30%
Policy on open data	100% of MS/AC	100%	50%	>30%
Policy on data management	100% of MS/AC	100%	50%	100%
Policy on FAIR data	100% of MS/AC	100%	100%	>30%
Policy on open source software	100% of MS/AC	50%	75%	100%

Practice-oriented Plans: Making EOSC happen

- Catalogue of use cases (national and institutional level)
- Include impact indicators in Open Science monitoring
- National tripartite events
- Push for rapid development of Open Science practices in our countries
- Support the evolution of EOSC
- see Session on “[National Commitments to EOSC](#)”, tomorrow 16h30

EOSC Steering Board: the future



- Increased reproducibility of scientific results
- Increased trust in science
- Increased effectiveness in policy making and in research processes
- R&I results are taken up by society
- Investment into the web of FAIR research data and services is vital and going to continue inside and outside the EOSC
- Enabling EOSC at EU level needs development of EOSC structures at national level
- Main investment into EOSC will always come from national level and from the RPOs / RFOs engaged in EOSC — with the help of the EC for EOSC-relevant development
- MS/AC are highly committed to Open Science and to the EOSC
- **EOSC is here to stay — there's no turning back!**

Achievements and plans of the EOSC Steering Board

- EOSC Steering Board represents the interests and commitment of MS/AC
- Strong push to improve EOSC development through establishing necessary policies: providing the frame to build EOSC
- Commitment: EOSC is here to stay and the MS/AC are standing firmly behind it
- Main investment into EOSC will always come from national level and from the RPOs / RFOs engaged in EOSC — with the help of the EC for EOSC-relevant development



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Thank you!



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