EOSC Steering Board

National Tripartite Event

Sofia, 28 March 2023

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EOSC is transitioning

EOSC is transitioning to a more stakeholder-driven approach with a shared vision, common objectives and complementary contributions at European, national and institutional levels.

A co-investment (with in kind and financial contributions) by the EU and non-EU partners of at least €1 billion is foreseen for the next 7 years.

Overall progress is steered by a new EOSC tripartite governance involving the EU represented by the European Commission, the participating countries represented in the EOSC Steering Board and the research community represented by the EOSC Association.

EOSC-SB overview

Representatives of MS/AC – usually from relevant Ministries

- To create a common understanding between the Commission, the Member States and the countries associated to the Research and Innovation Framework Programme on the direction of policy developments required for achieving the strategic, political and implementation objectives of the EOSC
- To pursue synergies and alignment of national policies and investments relevant to the European Open Science Cloud

93 representatives from Members and Observers
- 27 Member States
- 16 Associated countries
- 2 Observers (incl. EOSC Association)

16 countries associated to the Horizon Europe Framework Programme (September 2022) invited:

Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Kosovo, Moldova, Montenegro, Norway, North Macedonia, Serbia, Tunisia, Turkey, and Ukraine

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EOSC-SB Monitoring survey 2021

National EOSC-supporting policies and investments

Objectives

A.) Benchmarking of activities on international, national, regional, and institutional level

1. developing and implementing policies and supporting EOSC-ready infrastructures and initiatives; and

2. providing contributions/investments and financing of EOSC relevant policies, infrastructures, and initiatives.

B.) Monitor the benefits of MS/AC policies to the whole EOSC and the benefits of EOSC to the national research communities

Goals

□ Understand what contributions will be made by MS/AC to further develop EOSC, in synergy with the implementation of the SRIA on a European level, and reach a collective understanding on how to assess these contributions, building on the experience acquired by the Member States when communicating ex-ante commitments in response to Commissioner Gabriel's invitation in July 2020;

□ Evaluate how MS/AC support their organisations nationally, what are their data-related policies and financing mechanisms? What do MS/AC do on country level to advance FAIR and EOSC?

□ Evaluate how national funding (other than from members of the EOSC Association) complements the contributions provided by the Association members; and

□ Work together with the EOSC Association, and liaise with the EC, so that the benchmarking and monitoring is strategic, fit for its purpose of an overall coordination of the implementation and operationalisation of the EOSC ecosystem in line with the SRIA priorities, and without duplication

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Steering Board Policy Issues

The SB has identified three Policy Issues to be addressed as building blocks of the Tripartite strategy for 2022:

a) Data literacy including definitions and the potential of education and teaching

b) EOSC and the private sector

c) EOSC sovereignty on FAIR data

Three discussion papers prepared by the SB-policy-subgroup - now adopted and published as position papers.

Work is to start in 2023 on the following Policy Issues:

- EOSC configuration for post 2027

- EOSC data productivity

- Digitalization of research

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Skills & Competences are needed for digital transition and EOSC. Holistic, coherent and visible education and training paradigm must be implemented. Feedback from monitoring is important.

Objective 1 – Ensure that Open Science practices and skills are described, rewarded and taught, becoming the 'new normal'

Objective 2 – Enable the definition of standards, and the development of tools and services, to allow researchers to find, access, reuse and combine results

Objective 3 – Establish a sustainable and federated infrastructure enabling opensharing of scientific results

Objectives (subset):

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

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

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Opinion Paper 1

★ 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

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

★ FOLLOW-UP: Procurement

Opinion Paper 2

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★ 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

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Opinion Paper 3

Monitoring Open Science

⭐ Deploy Open Science principles, share best practices and monitor evolution; MS/AC support the EOSC through financing/making available EOSC-needed e-infrastructures and research organisations, and through contributions to European policy developments. Motivation helps to recognize/share good practices (What that works can be adopted by other partner countries, status of actual investments, evolution in the ERA context and beyond

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

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Opinion Paper 4

The 2023-planned Policy Papers are:

- Data productivity – Volume of FAIR-Data ans Services, quantitative understanding

- Digitalization of research links with the Digital Agenda of the EU and MS/ACs

The 2022 and 2023-planned Policy Papers cover important issues for the EOSC post 2027 setup

INTERFACES:

- **EOSC** and **ESFRI** will collaborate in a **joint task force** to address the key contributions that directly concern the RIs and that can be implemented by the RIs

- Further activity with the **e-IRG** to give full evidence of the e-infrastructure needs of EOSC and their structuring effects

- Further work in conjunction with the EOSC-A should be done on e.g. Rules of Participation and FAIR Data Quality

- Commercial sector, GAIA-X, companies adopting FAIR for their own data managemet (not, or not fully, open)

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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.

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