



EOSC: the Transverse European Data Space for Science, Research and Innovation

STATEMENT

Independent
Expert
Report



*Research and
Innovation*

EOSC: the Transverse European Data Space for Science, Research and Innovation

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EOSC: THE TRANSVERSE EUROPEAN DATA SPACE FOR SCIENCE, RESEARCH AND INNOVATION - STATEMENT

Prepared for the EOSC Tripartite Governance¹ Event 2022 in Prague, Czechia, on 15 November 2022.

The EOSC Steering Board expert group² (EOSC-SB) has initiated in 2022 a reflection on the main disruptive concepts and practices connected to the construction and future operation of the European Open Science Cloud (EOSC). The EOSC ambition is to provide European researchers, innovators, companies, and citizens with **a federated and open, cross-border and multi-disciplinary data space** (or data commons) where they can publish, find, and reuse data, tools and services for research, innovation, and educational purposes. EOSC is not a single monolithic organisation or resource provider. Instead, it is developed as a federation (system of systems) with involvement of many independent organisations and resource providers implementing the FAIR principles and adopting clear rules and quality standards. As such, **EOSC shall ensure independence and autonomy** of the participating resource providers.³ The uptake of EOSC by European scientists, researchers, innovators, and companies requires transformative practices in several domains: from FAIR-by-design data collection technologies to FAIR data and service exploitation skills. Such transformative practices in EOSC also represent strong cross-cutting assets for the nine new, emerging sectoral data spaces of the European strategy for data. They contribute to the articulation of EOSC with these data spaces. Specific issues were chosen and elaborated in 2022 by the Steering Board based on the perceived urgency/priority in the EOSC context. These issues are addressed individually in “Opinion Papers” elaborated by the EOSC Steering Board and communicated to the EOSC Tripartite Governance to become a living reference for the definition of EOSC policies at European, national, and institutional levels.

1. 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.

¹ https://research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science/european-open-science-cloud-eosc_en#eosc-tripartite-governance

² <https://ec.europa.eu/transparency/expert-groups-register/screen/expert-groups/consult?lang=en&do=groupDetail.groupDetail&groupID=3756&NewSearch=1&NewSearch=1>

³ Strategic Research and Innovation Agenda Version 1.0, June 2021, Chapter 6.

- **Reaffirm** the importance of the sovereignty of the research sector as FAIR data provider in EOSC.
- **Invite** to opening 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.

2. References

Opinion paper by the EOSC Steering Board expert group (E03756) on EOSC FAIR data literacy, <https://doi.org/10.2777/716842>

Opinion paper by the EOSC Steering Board expert group (E03756) on EOSC and commercial partners, <https://doi.org/10.2777/04436>

Opinion paper by the EOSC Steering Board expert group (E03756) on FAIR data sovereignty in EOSC, <https://doi.org/10.2777/32361>

Opinion paper by the EOSC Steering Board expert group (E03756) on Monitoring Open Science, <https://doi.org/10.2777/382490>

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The EOSC Steering Board expert group (E03756) has developed opinion reflections on selected high-level policy issues. The outcome of these reflections have been formulated as opinion papers on 'EOSC and data literacy', 'EOSC and the commercial partners', 'FAIR data sovereignty in EOSC', and 'Monitoring Open Science'. The papers include objectives and recommendations for the period 2022 to 2024. A selection of key elements from these opinions are highlighted in a joint statement by the expert group called 'EOSC: the Transverse European Data Space for Science, Research and Innovation'. All four papers have collected input from private experts, governmental experts, and the European Commission, and were finally adopted via written procedure in November 2022.

Studies and reports

