



EUROPEAN RESEARCH EXECUTIVE AGENCY (REA)
REA.C – Future Society
C.4 – Reforming European R&I and Research Infrastructures

GRANT AGREEMENT

Project 101188179 — EOSC Data Commons

(Call: HORIZON-INFRA-2024-EOSC-01)

Titolo del progetto

Services for inter- and cross-disciplinary data discovery, access, sharing and reuse in the EOSC Federation
(EOSC Data Commons)

Codice CUP

I93C24000400006

Soggetti attuatori

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Project summary

The EOSC Data Commons project's mission is to contribute to the establishment of EOSC as the European Research Commons, a global trusted ecosystem that provides seamless access to high-quality interoperable research outputs and services that enable European researchers to collaborate more easily, be more productive and achieve higher levels of excellence. The project achieves this with innovative EOSC Exchange services for improving and accelerating data lifecycle management supporting discovery, analysis, deposition, preservation, sharing, use and reuse of research data in a European data and compute continuum that builds on the capabilities of the EOSC EU Node, national and European infrastructures for data-intensive research and a community of federated repositories from national, institutional and thematic initiatives. The project will deliver: (1) a AI-based Analytics-Oriented Metadata Warehouse and Discovery Service; (2) a federation of data repositories from different providers enriched by scientific applications and data analytics tools; (3) a Catalogue of data analytics tools (4) an Execution Service for tool deployment and execution; (5) metadata specifications for the reproducible and interoperable execution of analytic tools; (6) a FAIRness assessment and reproducibility toolset and related policies. Innovation is led by multidisciplinary and thematic use cases from Social Sciences and Humanities, Physics, Life Sciences, Biology, Health and Medicine, and Environmental Science. The project's pan-European consortium involves open source technology providers, major national and thematic data repositories, and user communities contributing to co-design, testing and validation with their use cases. By working with 12 national and institutional data repositories, the project has the ambition of delivering new solutions that will support the integration of Nodes in the future EOSC Federation.



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