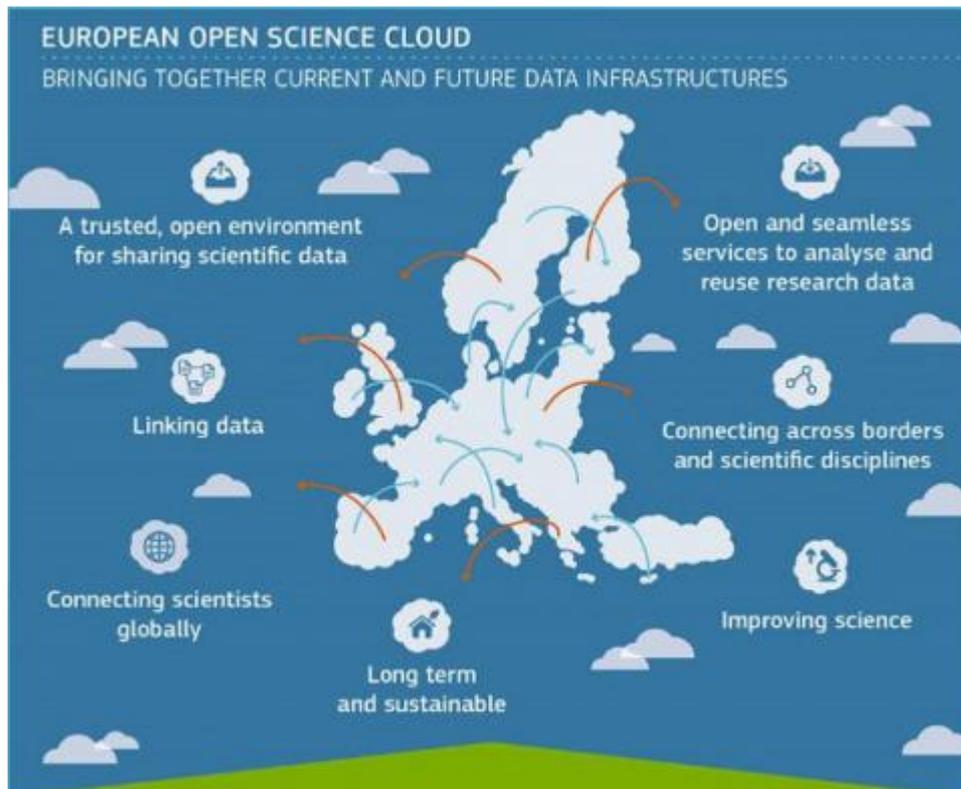# European Open Science Cloud

The European Open Science Cloud is a trusted digital platform for the scientific community, providing seamless access to data and interoperable services.

Supporting the EU's policy of Open Science, the European Open Science Cloud (EOSC) aims to give the EU a global lead in research data management and ensure that European scientists enjoy the full benefits of data-driven science.

The EOSC is part of the 'European Cloud Initiative — Building a competitive data and knowledge economy in Europe'. It aims to provide European science, industry and public authorities with:

- a world-class data infrastructure to store and manage data
- high-speed connectivity to transport data
- powerful high performance computers to process data

To achieve the ambitious objectives of EOSC, a governance structure was put in place, bringing together public funders (from Member States, Associated States and the European Commission) and the EOSC stakeholders (researchers, service providers, industry, public sector and other users). The 3-tier structure includes:

- a Governance Board, consisting of representatives from the Member States and the European Commission who jointly decide the future of EOSC
- an Executive Board, consisting of experts from key European research and e-infrastructures

communities who advise on the EOSC's implementation and the way forward
- a Stakeholders Forum, giving voice to the wider community of users, service providers, industry and the public sector

Under Horizon 2020, the EU Research and Innovation programme for the 2014-2020 period, €600 million was allocated to setting up EOSC. In the post-2020 period, EOSC will be supported by the Horizon Europe programme, as the principle of open science will become the modus operandi of Horizon Europe.

EOSC Portal

The EOSC Portal is the universal access channel to EOSC services and resources. It already covers a wide range of disciplines including medical and health, natural sciences, physics, earth sciences, arts, humanities, agriculture, and engineering.

Through the portal, researchers and professionals can access open and seamless services, data, and other resources from a wide range of national, regional and institutional public research infrastructures across Europe. The portal facilitates interoperability of datasets and tools from different providers, and enables researchers to perform their work more quickly and disseminate their research results more widely.

The EOSC Portal is the result of the progressive integration and consolidation of e-infrastructure projects, with the help of Horizon 2020 funding. It started as a collective effort from OpenAIRE, EOSC-hub, eInfraCentral and EOSCpilot projects building on the experience and technology of major pan-European e-infrastructures, universities and research infrastructures.

The EOSC Portal is currently being enhanced and maintained by the EOSC Enhance project in collaboration with the EOSC-hub and OpenAIRE projects, through the addition of further high-level functionalities and a wide range of scientific data and data analysis services. The overarching objective is to make the portal more inclusive, covering all phases of the research cycle and all scientific communities and widening its user base to the public and private sector.

Background

The Commission intends to unlock the reuse potential of different types of data and facilitate its free flow across borders to achieve a European digital single market, for the benefit of the economy and society.

EOSC is a fundamental enabler of open science and of the digital transformation of science. It offers the possibility to access and reuse all publicly funded research data in Europe, across scientific disciplines and countries. By federating existing research data infrastructures, EOSC leverages national investments and adds value in terms of scale, interdisciplinarity and faster innovation.

European Cloud Initiative

EOSC Implementation Roadmap

European Open Science Cloud brochure

Final report from first EOSC meeting

EOSC secretariat website

EOSC portal

More on the Open Science Cloud

Latest

The European Open Science Cloud becomes a reality

EU ministers, European Commission representatives, and Open Science cloud stakeholders gathered in Vienna to celebrate the official launch of the European Open Science Cloud (EOSC), the open and trusted environment for managing research data.

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The European Commission is taking concrete actions to develop cross-border digital public services.

eHealth

The European Commission is working to provide citizens with access to safe and top quality digital services in health and care.

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