

# Services for inter- and cross- disciplinary data discovery, access, sharing and reuse



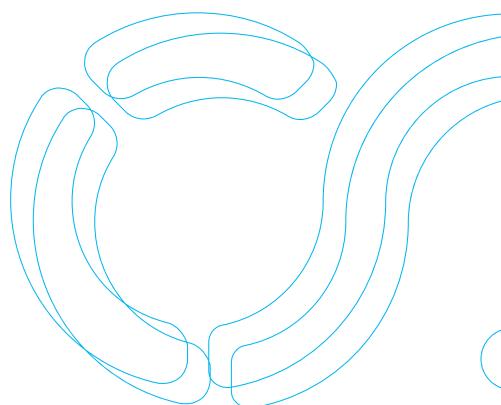
Join the  
Movement

Connect with EOSC  
Data Commons and be  
part of the European  
Research Commons.

## Building the European Research Commons

EOSC Data Commons is shaping the next generation of research data infrastructure for Europe. It fosters seamless access to high-quality, interoperable research data and services, and enables researchers across disciplines to collaborate, innovate and succeed.

- Discover and access data from multiple disciplines through a federated infrastructure.
- Share, preserve and reuse data with full support for the research lifecycle: discovery, analysis, preservation, and reuse.
- Increase FAIRness and reproducibility of research outputs.
- Leverages AI for discovery, with analytics led by communities and optionally supported by AI.



**Project Start** April 2025  
**Project End** March 2028

Funded by the European  
Union under Horizon Europe

**Website**  
[www.eosc-data-commons.eu](http://www.eosc-data-commons.eu)

## Why It Matters

Research today generates exponential volumes of data. But with data siloed, heterogeneous, and often underused, valuable insights go untapped. The EOSC Data Commons addresses this by creating a trusted, federated ecosystem of data, tools and compute — across national boundaries and disciplines.

## What We Are Building

Here are the main innovation areas:

- AI-enhanced metadata warehouse and discovery layer that integrates heterogeneous repository metadata, supports natural language searches, performs FAIRness assessments, and pairs datasets with suitable analytical tools (EOSC Matchmaker).
- Harmonised APIs, metadata specifications and automated deployment and execution of analyses across the compute continuum (EOSC Data Player)
- Validation through real-world use-cases from life sciences, social sciences, environment, physics and more, ensuring cross-disciplinary relevance.

## How To Get Involved

Visit our website:  
[www.eosc-data-commons.eu](http://www.eosc-data-commons.eu)

- Test our services and give us feedback
- Connect with us to pilot your use case on the EOSC Data Commons infrastructure
- Subscribe to our newsletter for updates, events and collaboration opportunities

## We Want You

- Researchers looking for interoperable data and compute resources.
- Data repository managers and infrastructure providers interested in joining the federated ecosystem.
- Tool developers and analytics service providers seeking integration.
- Research organisations and policy-makers committed to open science, data reuse and FAIRness.

## Our Partners

