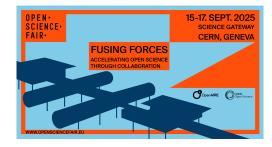Contribution ID: **174** Contribution code: **-174**   Type: **Demo**

Unlocking Open Science: A Demonstration of the EOSC EU Node in Action

This demo showcases the EOSC EU Node, the inaugural European-level operational node of the European Open Science Cloud Federation. It highlights its capabilities to facilitate cross-border, interdisciplinary, and FAIR-compliant research through a secure, federated digital infrastructure. Conceived to address fragmentation within the European research landscape, the EOSC EU Node integrates services for data discovery, collaborative computing, identity management, and resource access, employing a user-centric, policy-aligned, and standards-based architecture.

The demo will showcase how researchers can effortlessly log in using institutional credentials, access datasets and tools via the Resource Hub, and execute on-demand computations or interactive notebooks within the EOSC EU Node User Space—all while adhering to the GDPR and FAIR data principles. A particular emphasis will be given on how the EOSC EU Node facilitates smaller institutions, citizen science initiatives, and transdisciplinary collaborations by mitigating technical and infrastructural barriers.

Motivated by the need for a trusted and inclusive research environment, the EOSC EU Node offers a blueprint for future national and thematic nodes, fostering a more integrated European Research Area. This demo will illustrate key use cases, early user feedback, and pathways for service onboarding —inviting engagement from researchers, service providers, and policymakers alike. Visitors will explore live interfaces, try-out workflows, and understand how their institutions or communities can connect to the EOSC ecosystem. The EOSC EU Node demo embodies Europe's vision for open, digital, and collaborative science.

Tagline

A live demonstration of the EOSC EU Node—showcasing how federated services, FAIR data, and cloud tools empower cross-border, open science collaboration across Europe.

Keywords

EOSC EU Node, research collaboration, federated infrastructure

Authors: DOLINAR, Maja; MANOLA, Natalia; Mr ATHANASIOU, Spiros (Athena Research and innovation Center)

Session Classification: Poster & Demos Sessions

Track Classification: Building the Digital Backbone: Open Science Infrastructures