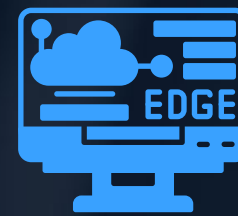


EOSC4ALL

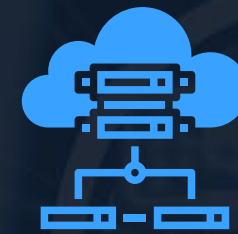
EUROPEAN OPEN SCIENCE CLOUD FOR ALL

What is cloud ?



Cloud computing

is the delivery of computing services (like storage, servers, and software) over the internet instead of using your own computer or local servers



Data access

It lets you access data and applications from anywhere, as long as you have an internet connection.



Flexible

The cloud provides on-demand resources, meaning you can instantly scale up or down depending on your needs.



BackUps

Reliable with built-in backups, keeping data safe. No physical hardware needed, as providers handle everything.



What EOSC4 ALL Actually Does ?



»» Community & Engagement

Connects stakeholders:

- Researchers
- Institutions
- Policymakers
- Promotes EOSC adoption across countries

»» Technical & Service Integration

- Helps onboard services into EOSC
- Improves interoperability between platforms
- Supports infrastructure providers

»» Communication & Training

- Organizes workshops & events
- Provides training materials
- Raises awareness about EOSC benefits.

»» Policy & Governance Support

- Aligns national and European policies
- Supports EOSC Partnership governance



Funded by
the European Union

What is EOSC4ALL vision ?

The EOSC4ALL project envisions a truly inclusive EOSC Federation, where deploying an EOSC Node is simple, fast, and accessible to all eligible organisations. By lowering entry barriers, EOSC4ALL aims to empower researchers and institutions to access, share, and discover services and research outputs seamlessly and securely across institutional, national, and disciplinary boundaries.



Simple



Fast



Accessible



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the European Union

Identified Challenges

»» Implementation

Implementing and operating an EOSC Node poses technical, financial and operational challenges

»» Interoperability

EOSC Federation members must commit to common standards and protocols to ensure their systems work together to provide a seamless user experience

»» Trust framework

Trust is a cornerstone in any federated infrastructure. In a federated infrastructure such as the EOSC Federation, establishing trust requires robust frameworks to securely authenticate and authorize users.

»» Sustainability

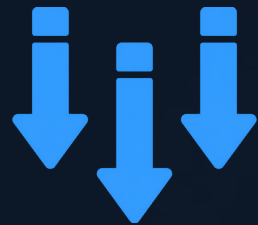
Sustainability of EOSC Nodes and the federated capabilities: Sustaining an EOSC Node and other federated capabilities requires significant effort, skills, and long-term commitment and funding

»» Governance

The transition from a prototype EOSC Federation to a production EOSC Federation requires agreements on sustainability, governance, cybersecurity, and quality assurance, whilst ensuring that each member (e.g. countries, research infrastructures) retains control of its own resources and local governance.



Objectives



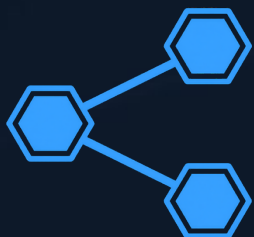
Lower the barrier

for entry into the EOSC Federation through the GÉANT Digital Research Environment (GDRE), a multitenant managed platform



Take over, maintain, enhance and scale up

the EOSC Authentication and Authorisation Infrastructure (AAI) Federating Capability and deliver a managed solution for the AAINode Core Capability



Create a cross -node, cross -border, interdisciplinary collaborative space

by extending the initial EOSC EU Node File Sync & Share (EFSS) solution to an EFSS generic Node capability available in the GDRE and by offering a new EOSC Federating Capability to enable interoperability of EFSS services across nodes



Define a sustainability plan

for the EOSC4ALL key exploitable results (KERs) to ensure continuity



Building up a National Node

The screenshot displays the SURF Research Cloud dashboard. At the top, there is a navigation bar with 'SURF', 'Research Cloud', 'Dashboard', 'Profile', 'Wallet', 'Catalog', and 'Help'. The user's name 'Mark van de Sanden' is visible in the top right. The main heading is 'Welcome to your SURF Research Cloud dashboard'. Below this is a 'Quick actions' section with three cards: 'Create new workspace' (with a 'CREATE NEW' button), 'Create new storage' (with a 'CREATE NEW' button), and 'Request a new wallet' (with a 'REQUEST' button). The 'Workspaces' section is active, showing a list of workspaces with their names, icons, and states. The workspaces listed are: 'r-studio - r4' (State: paused, ACCESS button), 'cmvdsanden ubuntu desktop' (State: paused, RESUME button), 'galaxy-ansible-tkok2' (State: paused, ACCESS button), 'cmvdsanden ubuntu 2204 - sudo enabled' (State: paused, RESUME button), and 'EESSI dashboard ES' (State: running, ACCESS button).



What's the value of the

EOSC4ALL project ?



➤ **Foundation for EOSC Node in Cyprus**
This project marks the first substantial step towards establishing a national EOSC Node by 2027.

➤ **Knowledge and Experience Building**
Provides essential expertise and practical know-how for effective implementation and utilization.

➤ **Key Milestone Achieved**
The most critical phase of the project has already been successfully completed.

➤ **Pathway for Future Processes**
Sets the groundwork for upcoming procedures and continued development.

Partners



CYNET's Node

»» Contribution

Contributing to the creation of the National EOSC Node by integrating community and central resources, enabling seamless access to research infrastructures, and creating a sustainable framework that enhances national research excellence and accelerates academia –industry collaboration.



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Thank you!
Any Questions?

