The EOSC EU Node

https://open-science-cloud.ec.europa.eu/

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DG CNECT C.1

EOSC EU Node -Your Gateway to Open Science

Open Science is at the centre of European research policy aiming to make science more accessible, efficient, transparent and robust.

The **European Open Science Cloud** (EOSC) is an enabler of Open Science, and data-centric research in Europe a **federated** multi-disciplinary network of distributed **nodes** operating under a common framework offering a **consolidated** pan-European access mechanism to FAIR research data, publications, and services.

https://www.youtube.com/watch?v=67mirPt-FhY

The **EOSC EU Node** is the first European-level gateway of the emerging EOSC Federation, made available to a wider research community by the European Commission.

European Commission

Unique Features - New User Experience

- **Authentication, Authorization, Accounting (AAA)**
  - eduGAIN and EU Login (with eIDAS) integration
  - Policy-based Access Control (PBAC) retrieving user attributes from home IdP
  - Virtual Credits and Wallets (personal, group)
- **Contributor tiers (discoverable, onboarded, native)**
  - Resource Hub collecting 127 mil research objects from OpenAIRE, CORDIS, data.europa.eu, Software Heritage and more
  - Curation service for resource object owners
  - Recommendations, Favourites, Persistent Identifiers
- **Integrated User Space with Automated deployment workflows**
  - TOSCA templates into Virtual Machines and Kubernetes containers
  - Application and Data to Infrastructure
- **Monitoring and Helpdesk**
  - Availability dashboard and support for end-users

MyAccessID

EU Login eIDAS

eduGAIN

CORDIS

OpenAIRE

data.europa.eu

Software Heritage

egi

okd

openstack

argo Monitoring Service

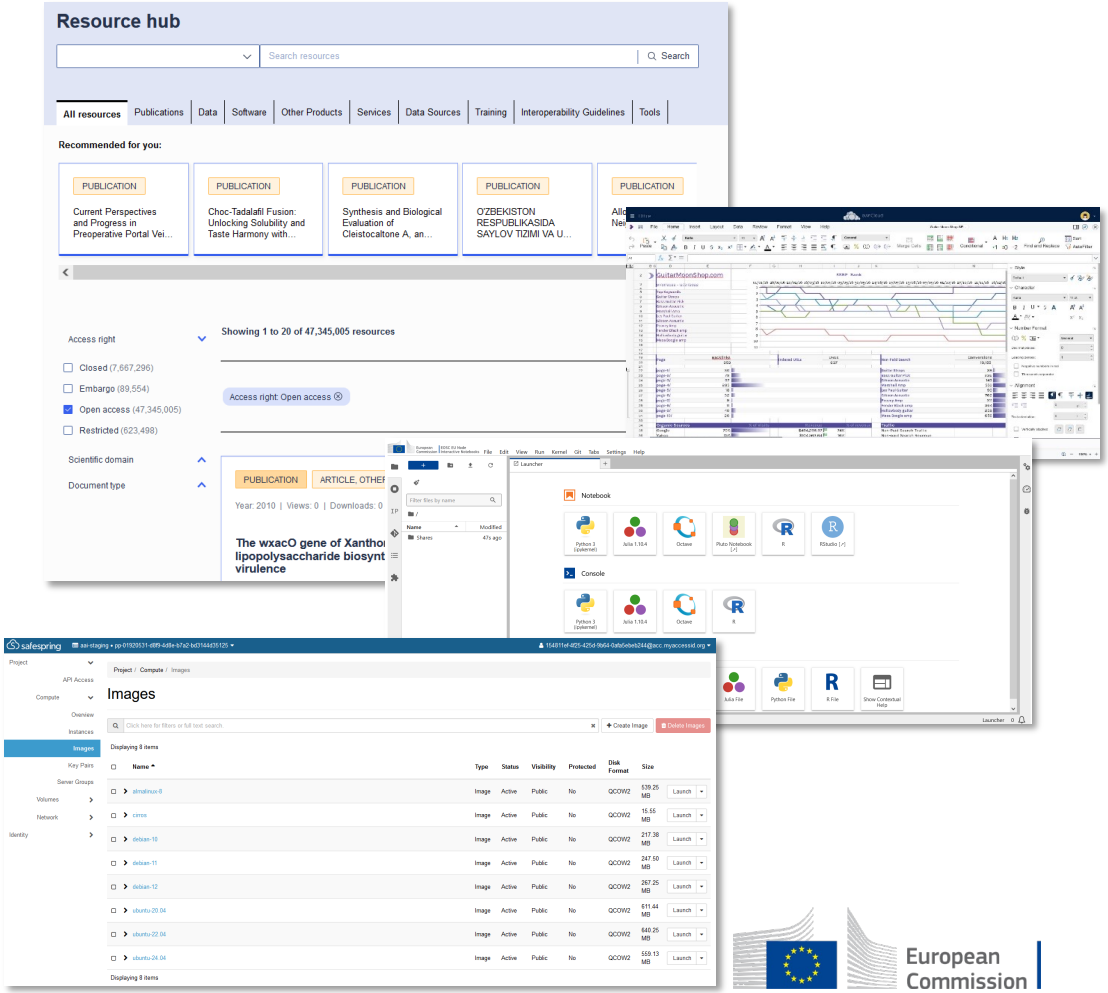
Zammad

EOSC EU Node Offers

Researchers

If you are a researcher or citizen scientist in Europe interested in collaborative, data-driven Open Science, the EOSC EU Node offers easy access to diverse data, publications, software, and services from across Europe's research networks.

- Discover, access and use **tens of millions** of scientific **publications**, **data** and **software**
- Find and access **services** and **tools** from research infrastructures, technology providers, leading scientific clusters and more.
- **Use integrated** compute, storage as well as interactive collaboration tools, applications and services free at the point of use.
- Create **teams** and **work together** putting Open Science principles in practice



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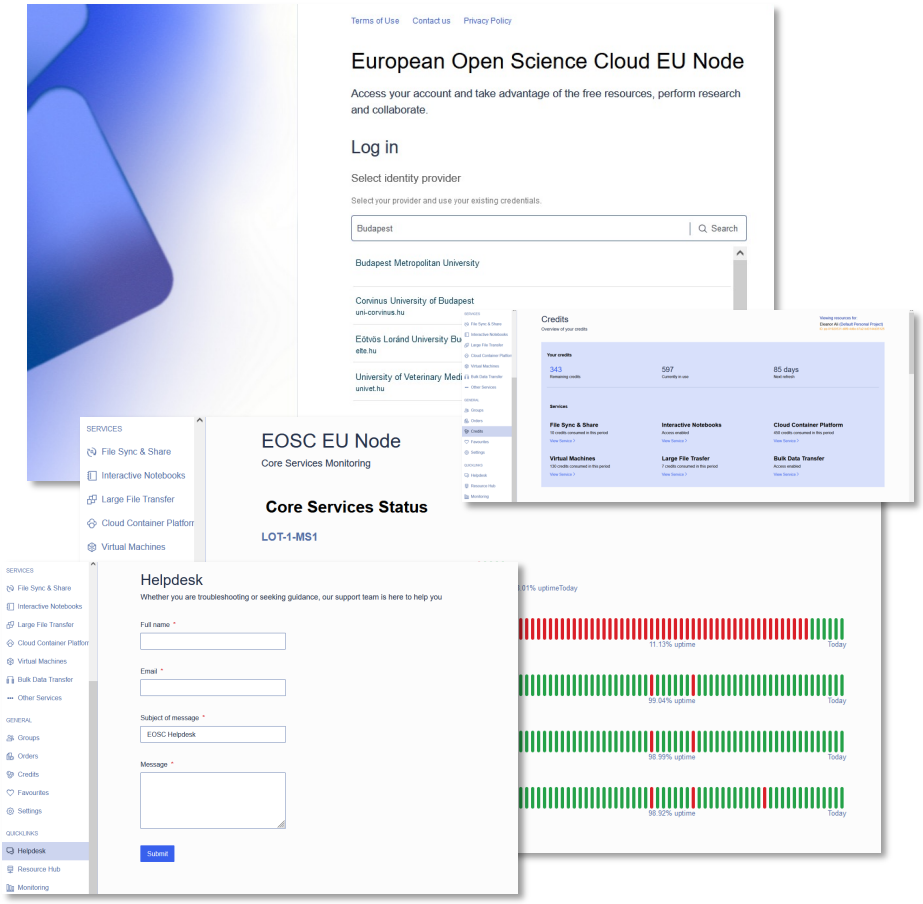
EOSC EU Node Offers



Contributors

If you are a scientific resource provider in Europe, the EOSC EU Node invites you to contribute your research objects - such as data, software, services, and tools - to support the mission of promoting Open Science.

- Benefit from the **federated AAI** capability, get single user identity and group membership attributes
- Get user entitlements for automated **authorization** decisions
- Utilize **virtual credit** allocations in multiple **wallets** across applications and services
- Harvest curated **catalogues** and connect to metadata **knowledge graph**
- Share **deployment templates** across infrastructures, get **monitoring** probes and first-level support via **helpdesk**

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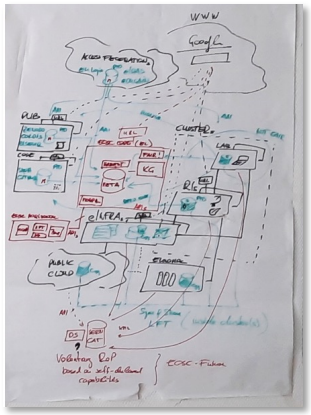
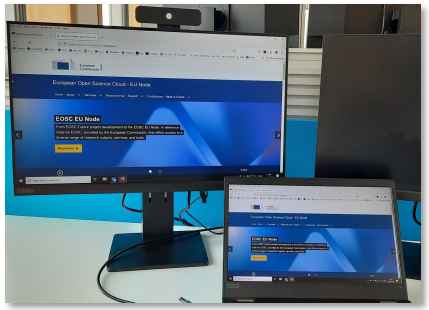
EOSC EU Node - Passed Timeline and Milestones





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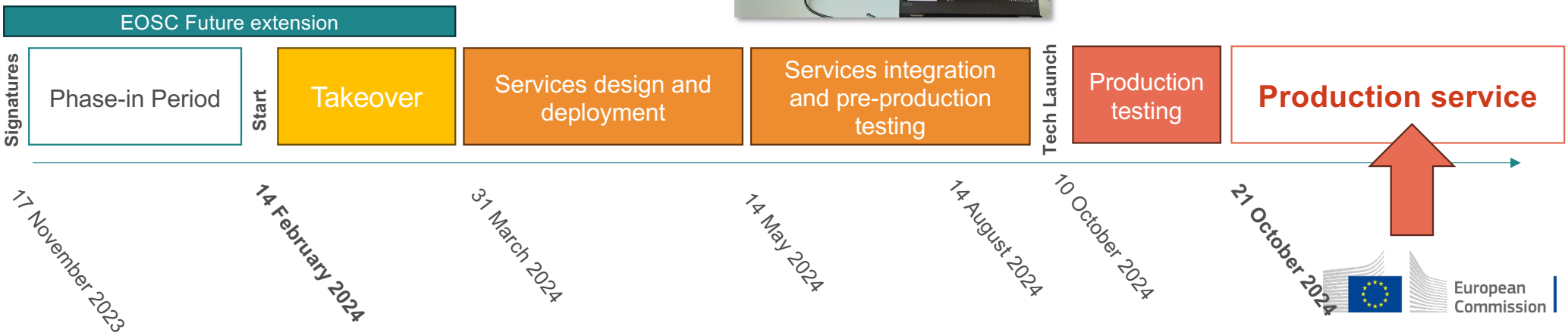

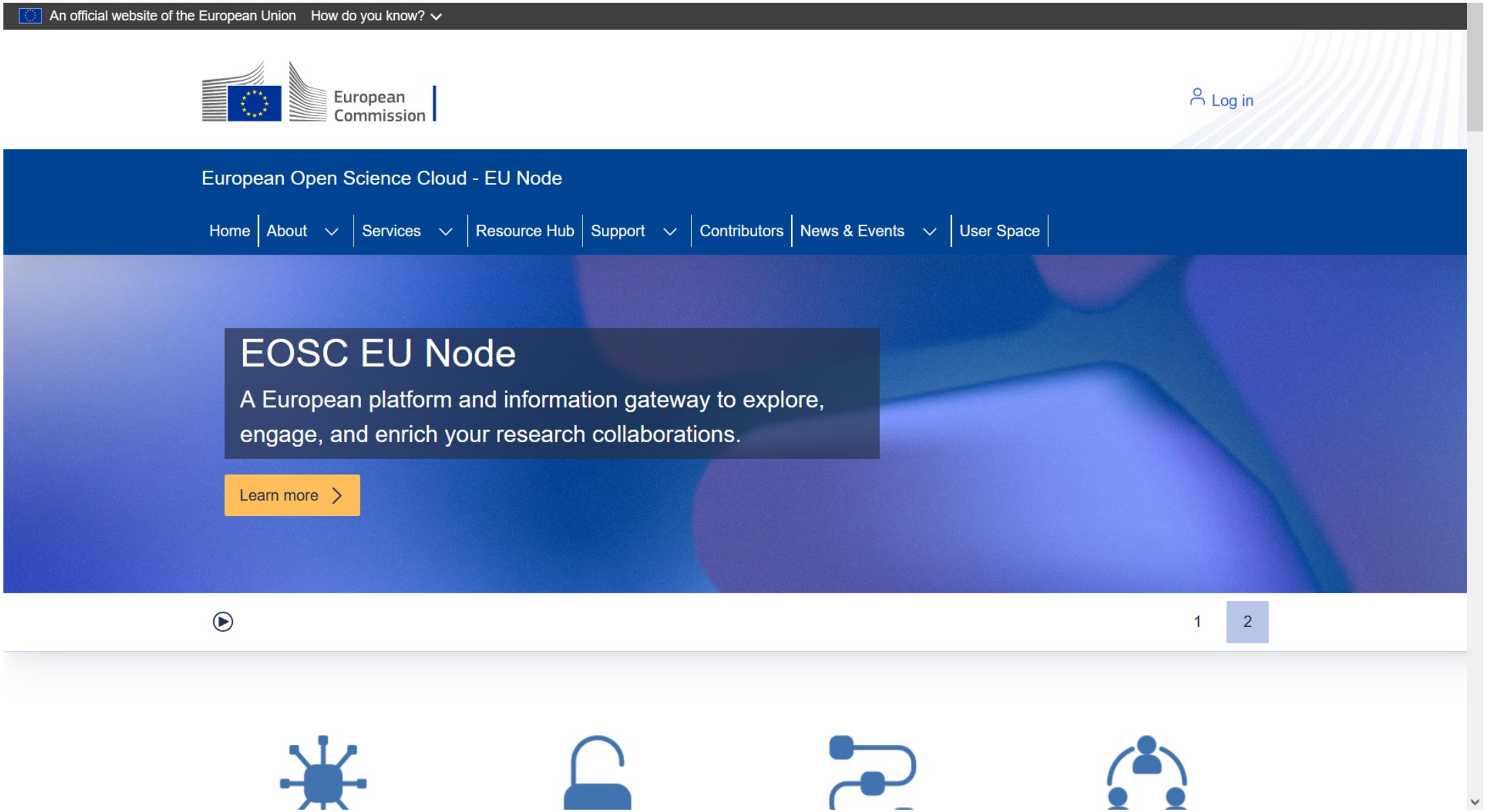
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EXCHANGE

PSNC

NORDUnet
Nordic Gateway for Research & Education

Sikt

safespring

egi
cesnet

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CORE

Research & Innovation
Information Technologies
ATHENA

OpenAIRE

GWDG
Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen

egi
cesnet

GÉANT

grnet

netcompany
intrasoft

icm

aws

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Thank you!