

EOSC Core Innovation Sandbox

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Welcome to the EOSC Core Innovation Sandbox

For End-Users

For Pilot Nodes and Resource Providers

The EOSC Core Innovation Sandbox by EOSC Beyond is a pre-production environment of the EOSC Platform that acts as a testing and staging environment - equipped with advanced automation tools - for EOSC Core service providers, EOSC Exchange service providers and EOSC Nodes in the integration process with EOSC.

The Sandbox can be used by EOSC Nodes and other providers for the technical deployment of their use cases in EOSC.

It can also be used by researchers and other end-users to assess the EOSC capabilities.



<https://sandbox.eosc-beyond.eu/>

Overview of the sandbox

01

Pre-production environment of the EOSC Platform

02

Testing and staging environment

03

Equipped with advanced automation tools

Main features

01

Federation capabilities

02

Technical support

03

Showcase new EOSC Core

capabilities

- Integration of a node or service with EOSC - test and validation
- Technical support in the integration process
- Currently, the following federating capabilities are offered for integration:
 - Order Management
 - Resource Catalogue & Marketplace
 - Monitoring
 - Helpdesk
 - AAI
 - ...



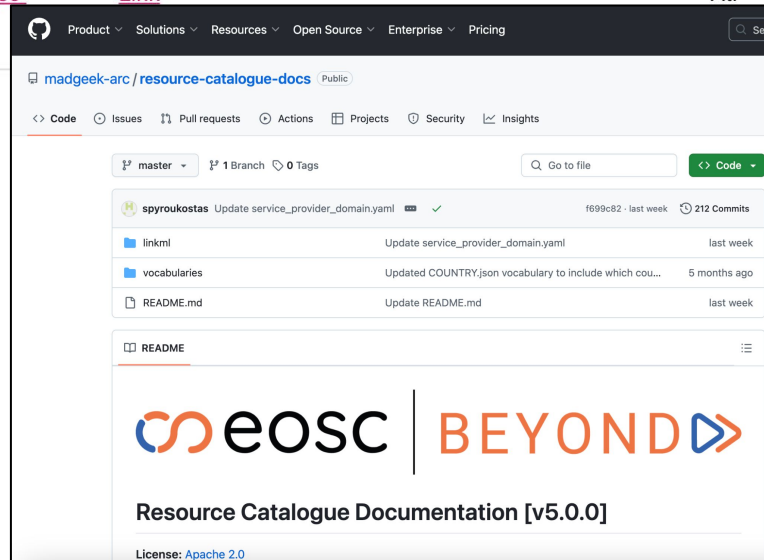
- Entry point of the EOSC Core Innovation Sandbox is the EOSC Beyond Marketplace:
 - Login with your institutional credentials
 - Discovery services, datasets and other research products
 - Order a service
 - Download or transfer datasets
 - Check the quality of a service through the EOSC Monitoring service
 - Check the usage of a service through the EOSC Accounting service



Catalogue and Marketplace

EOSC service resource catalogue

Service	URL	Integration documentation	User guides	Technology documentation	Own
EOSC service resource catalogue	https://api.providers.sandbox.eosc-beyond.eu	Link			At
Provider dashboard	https://providers.sandbox.eosc-beyond.eu	Link			At





AAI

Get unified access to multiple EOSC services using a single set of credentials, supporting access control.



PID Service

Manage and integrate Persistent Identifiers for consistent and reliable data identification across research.



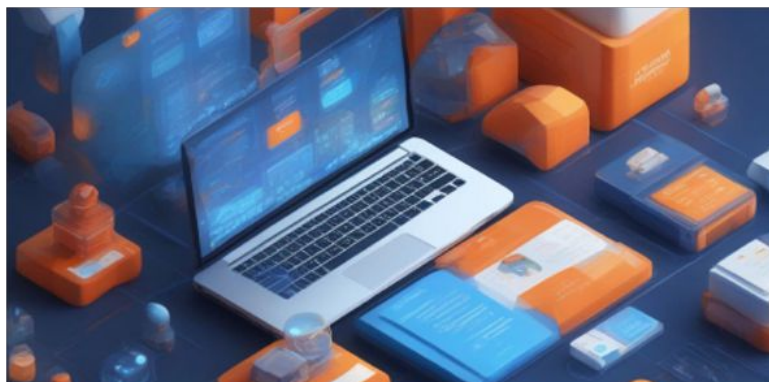
Resource Catalogue

Register, manage, and share resources, benefiting from easy onboarding and tailored management tools.



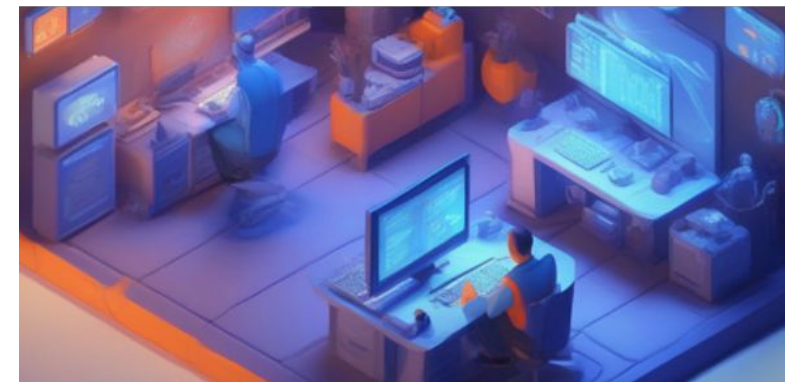
Marketplace

Discover and access advanced compute and data services to enhance your research and innovation.



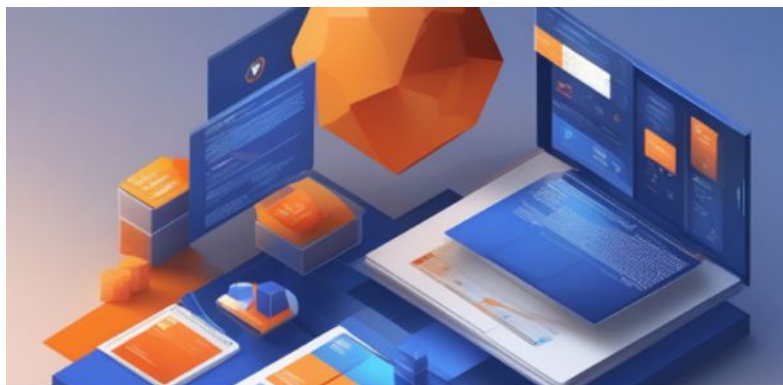
Order Management

Facilitate resource ordering in the EOSC Marketplace with an easy process and flexible integration options for providers.



Monitoring for services

Gain insights into service status and reliability with customisable monitoring and instant alerts.



Accounting for services

Collect, aggregate, and exchange metrics across different infrastructures and providers.



Accounting for research products

Track real-time usage of research products and data sources with detailed analytics and reporting.



Helpdesk

Access central support with smart search, custom workflows, and multiple access channels.



Interoperability Framework registry

Align your services with EOSC guidelines for enhanced composability and interoperability.



Messaging Service

Enable efficient communication between applications with advanced EOSC messaging service.

Sandbox Working Plan



Discussion about collaboration with the EOOSC Procurement

- 1) Compatibility with EOOSC EU Node
(differences)
- 2) Compatibility with EOOSC EU Node
against Innovation
- 3) Next Steps





Thank you!

Get in touch with us

Website www.eosc-beyond.eu

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