

# EOSC Core Innovation Sandbox

A COLLABORATIVE HUB FOR TESTING, INTEGRATION AND INNOVATION IN EOSC



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The EOSC Core Innovation Sandbox serves as a "Federator Test Node" that mirrors the live EOSC ecosystem, allowing providers to test interoperability in a realistic setting.

## Key Features



### Multi-environment Hosting

The Innovation Sandbox offers three EOSC Core Service environments: **Development** for individual testing, **Integration** for platform-wide validation, and **Pre-production** to simulate the production environment with new capabilities.



### A Living Testbed

The Sandbox enables thematic communities to resolve complex integration hurdles, such as federating local ticketing systems or enabling cross-domain Single Sign-On, before they impact real-world users.



### Governed Access

Processes and procedures are in place to manage service provider access to the Innovation Sandbox, ensuring a structured and secure environment.



### Expert Support

A clear, supported pathway to becoming a functioning EOSC Node, transforming the complexity of Open Science into a manageable, step-by-step evolution.

## Key Milestones and Audience



### Timeline and Use

The EOSC Core Innovation Sandbox is open to external providers. It supports EOSC Node deployment, integration, and showcases new capabilities.



### Target groups

The EOSC Core Innovation Sandbox supports service providers, researchers, and EOSC Nodes by enabling testing, integration, and validation of services, access to EOSC capabilities, and deployment of technical use cases with federating tools like AAI and resource catalogues.

## Next Generation of EOSC Core Capabilities

Authentication & Authorisation Infrastructure (AAI)  
**Single sign-on over federated infrastructures**

Accounting  
**Information about usage of services and resources in EOSC**

Helpdesk  
**Entry point to request support for all EOSC services**

Messaging  
**Facilitating communication between applications**

PID Service  
**Managing and maintaining persistent identifiers**

User Space  
**Interact with the full range of EOSC resources and services**

Research Product Catalogue  
**Discovery and access of research outputs**

Service Catalogue  
**Register, maintain, administer and share resources**

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