

eosc | BEYOND»

# EOSC Beyond

Next Generation of EOSC Core Services

**Advance** Open Science and innovation in research by providing **new EOSC Core capabilities** that allow scientific applications to integrate and compose multiple **EOSC Resources** from national, regional and thematic **EOSC Nodes**

# Project Factsheet



## Call topic:

HORIZON-INFRA-2023-EOSC-01-04

Next generation services for operational and sustainable EOSC Core Infrastructure

## Project Officer:

Flavius Alexandru PANA  
European Research Executive Agency  
Unit REA.C.4

**Budget:** 10.000.000€

**Start:** 01/04/2024

**Duration:** 36 months

16

Work packages

39

Deliverables

33

Milestones

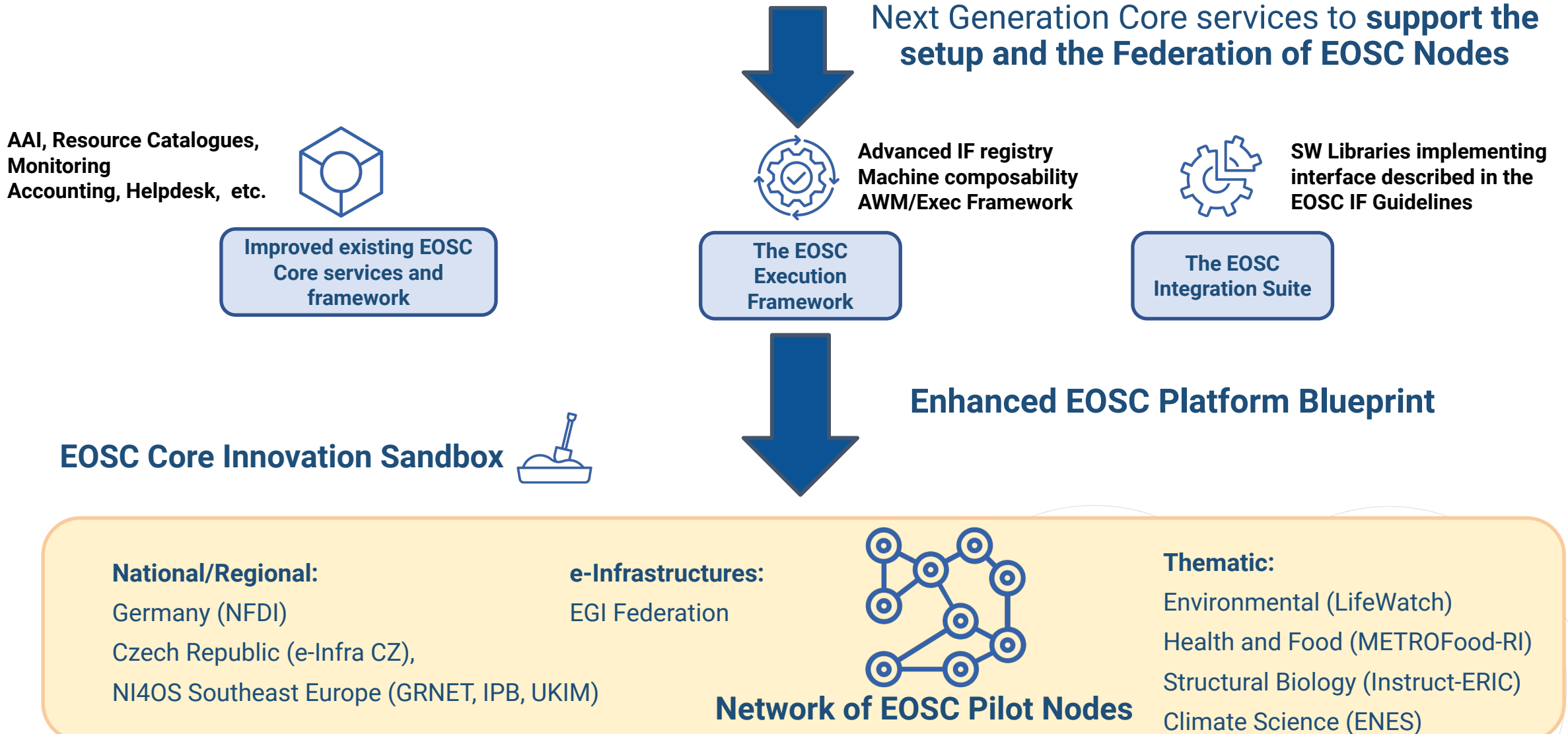
**Consortium:** 33

- **E-Infrastructures:** EGI, OpenAIRE, EUDAT, GEANT
- **Technology providers:** ATHENA, CERN, CESNET, CYFRONET, DANS, FZJ, GRNET, GWDG, IISAS, INFN, IPB, KIT, LIP, UPV, SRCE, UKIM, UPV
- **Research communities:** CNB-CSIC, CESSDA (EKKE, TARKI), CMCC, DESY, ENEA, INSTRUCT-ERIC, LifeWatch. NFDI. Premotec, UNITN

**Coordinator:** EGI Foundation



# What we are expected to deliver





- 8 Pilot Nodes in the project
  - 3 Regional Nodes: Germany (NFDI), Czech Republic (e-Infra CZ), NI4OS Southeast Europe (GRNET, IPB, UKIM)
  - 4 Thematic Nodes: Environmental (LifeWatch), Health and Food (METROFood-RI), Structural Biology (Instruct-ERIC), Climate Science (ENES)
  - 1 e-Infrastructure: EGI
- Actively working to identify more pilots
  - OSCARs, RIs, other e-Infras
  - 4 additional pilots already involved: SSHOC, ENVRI, DARIAH, CLARIN
- Pilot Nodes are being defined via interviews and dedicated workshops

EOSC Beyond Workshops: Definition of EOSC Nodes and their federation, requirements for EOSC Core services from a use case perspective and integration activities.

10 giu 2024, 10:00 → 12 giu 2024, 18:00 Europe/Warsaw  
 303 (ACC Cyfronet AGH)

Descrizione Main points:

1. **Conceptual and Technical Definition:** Develop an EOSC Node technical description based on the workshop findings. This includes identifying possible types of nodes, their organizational structure, architecture, and functional scope.
2. **Dependencies and Federation Concept:** Sketch the initial dependencies between the potential nodes and define the concept of the EOSC Nodes Federation. This involves identifying potential federated services and possible node integration.
3. **Core Service Requirements:** Outline the requirements for core services from the potential nodes and other relevant stakeholders. This may include input for the specification of EOSC Core services adapters, etc.

Event Location:

Academic Computer C

Nawojki 11 st.,

Floor 3, R

10 Pilot Nodes attended the event:

- NFDI
- e-Infra CZ
- LifeWatch
- MetroFood-RI
- INSTRUCT ERIC
- ENES
- EGI
- SSHOC
- DARIAH
- CLARIN

**Coming  
Soon**

# Welcome to the EOSC Core Innovation Sandbox

The EOSC Core Innovation Sandbox by EOSC Beyond is your pre-production environment for testing and staging within the EOSC Platform. It's designed for EOSC Core service providers, EOSC Exchange service providers, and EOSC Nodes to integrate seamlessly with EOSC.

Join us!

## Federation Capabilities

Test and integrate with the same federating capabilities as the EOSC EU Node. This includes the AAI Federation, Federated Resource Catalogue, Helpdesk, Application Workflow Management, and more, all with compatible interfaces.

## Technical Deployment

Use the Sandbox for the technical deployment of your use cases. Perfect for EOSC Nodes and other providers.

## Dedicated Technical Support

Get dedicated technical support to help with integration. We offer tools to automate the process, including easy-to-use connectors in the form of software libraries.

## Pilot Node Deployment

Deploy and validate the Network of the EOSC pilot Nodes. Showcase and demonstrate new capabilities, like deploying data analysis services on the fly in EOSC Cloud resources via the EOSC Execution Framework.



# Thank you!

## Get in touch with us

Website [www.eosc-beyond.eu](http://www.eosc-beyond.eu)

LinkedIn [/company/eosc-beyond/](https://www.linkedin.com/company/eosc-beyond/)

YouTube [@EOSCBeyond](https://www.youtube.com/@EOSCBeyond)

Email [eosc-beyond-po@mailman.egi.eu](mailto:eosc-beyond-po@mailman.egi.eu)