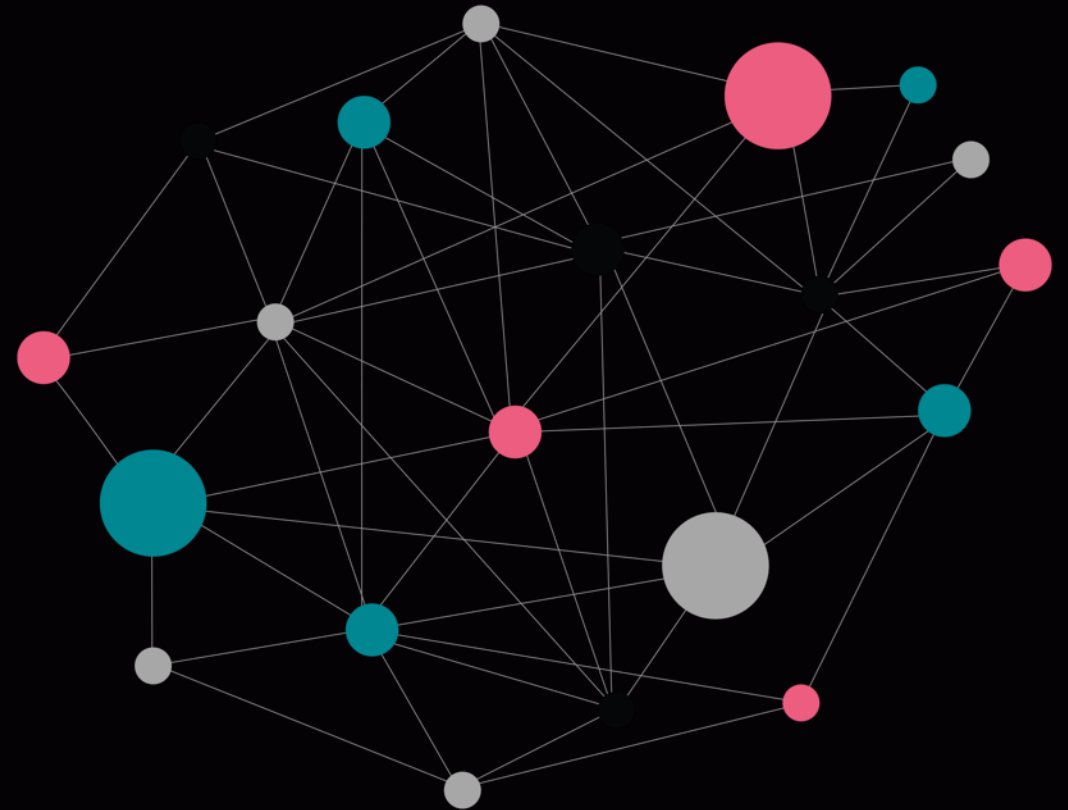


Cross-Node collaboration

The Polish EOSC Node



Poland at a glance

Policies

1 National Policy on Open Research Data (2025)

56 Institutional OS policies (2023)



Skills and competences

5 RDM and DS MOOCs (2025)

~10k Users of RDM and DS MOOCs (2025)

1 Data Stewards network



Data Infrastructures

75 Publication repositories (2023)

55 Research data repositories (2023)

57 Other research output repositories (2023)



E-Infrastructures

1 National Data Storage network

1 PLGrid network (computing)

2 AI Factories (2025)



Research Infrastructures

1 Polish Roadmap for Research Infrastructures (to be updated in 2025)

60 Research Infrastructures listed on the Polish Roadmap for RIs



EOSC structures

1 EOSC National node

1 EOSC-PL Network

29 Members of the EOSC-PL Network



Objectives:

1

Integration

Bring resources into the EOSC Federation

2

Standards

Ensure compliance with FAIR principles across all integrated services

4

Interoperability

Enable open science interoperability across platforms and services

3

Access

Provide federated (AAI) for a seamless user experience

5

Impact

Facilitate cross-border collaboration and efficient resource use for researchers

Governance:

A coordinated federation:

- light central steering
- strong community execution

Structure:




- Defined roles and responsibilities
- Steering group
- Regular weekly meetings
- Ad hoc Working Groups













Use cases:


- Implementation of federating capabilities
- Designing and implementing research workflows based on resources across Federation


Node's entry point:

- Discovery platform
- Federated AAI
- FAIR-by-design working space for researchers









-  Open data and research repositories
-  Digital infrastructure for research
-  Specialized research tools
-  Knowledge sharing and training
-  Platforms for Open Science
-  Core services for resource discovery and access



- PLGrid – domain services  
- BRIDGE of Knowledge  
- BRIDGE of Knowledge ORD catalog  
- RepOD  
- RODBUK  
- PLGrid - storage and computing  


RODBUK as a technology 

OS Competence Centre 

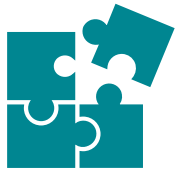
EOSC Node Poland National node

- OS, FAIR and EOSC trainings 
- Data Stewardship MOOCs 
- RDM MOOCs 
- Polish OS Platform  
- Digital Tissue and Cell Atlas and the Virtual Microscope  
- Library of Science 

ICON – storage and computing  

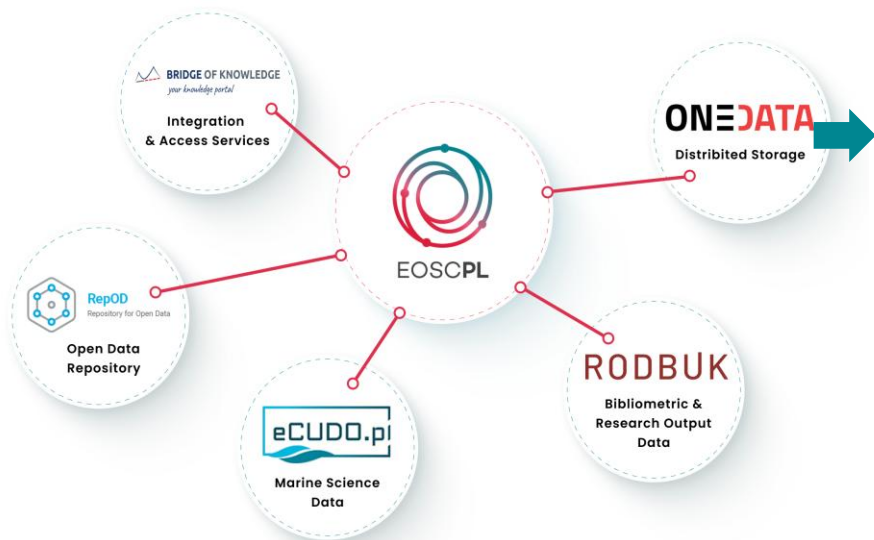
Onedata  

- Poznan Supercomputing and Networking Centre
- CI TASK
- Cyfronet
- Wrocław Centre for Networking and Supercomputing
- ICM Warsaw University
- National Centre for Nuclear Research



Not only discoverability

EOSC.pl is becoming a space for researchers to work with and reuse data in compliance with FAIR principles.



unifies access to distributed and heterogeneous storage resources



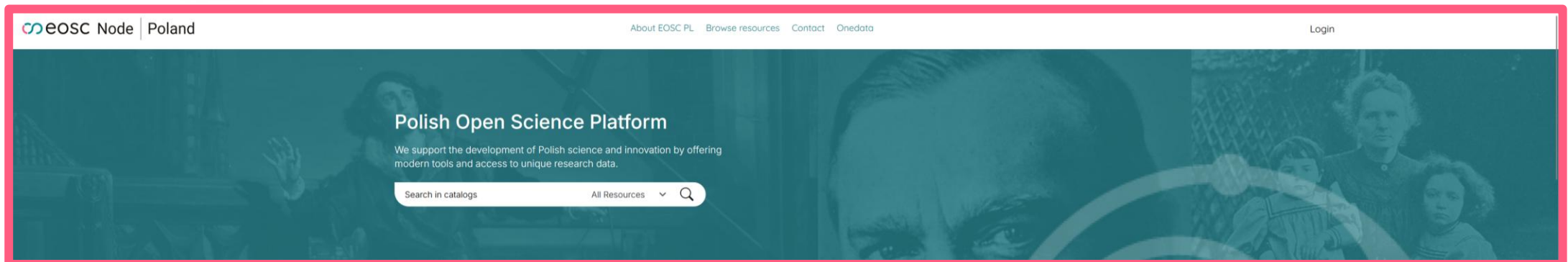
enables teamwork on curated datasets



supports metadata annotation and data discovery



facilitates collaborative data sharing across organizations and research teams



EOSC Node | Poland



Institute of Oceanology
Polish Academy of Sciences



UNIVERSITY OF WARSAW
Interdisciplinary Centre for Mathematical
and Computational Modelling
icm.edu.pl



NATIONAL SCIENCE CENTRE
POLAND



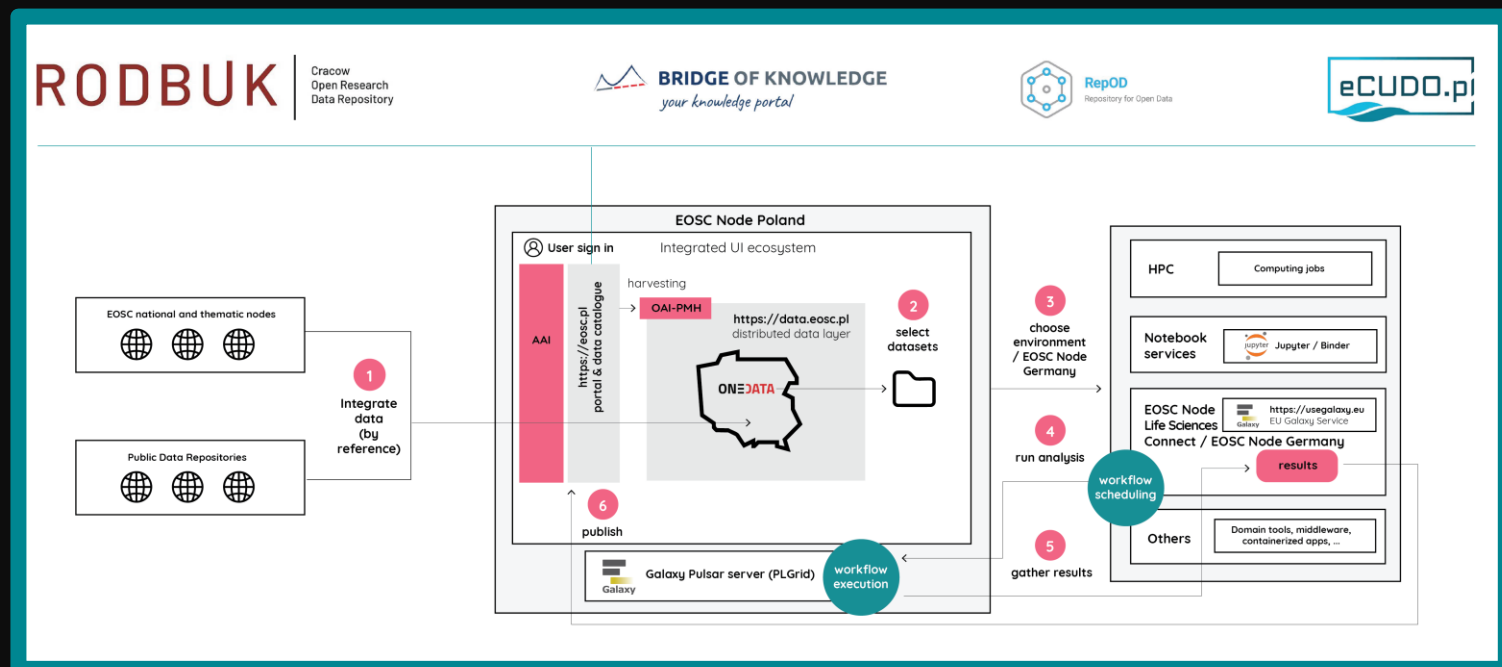
GDAŃSK UNIVERSITY
OF TECHNOLOGY



November 2025

Workflow example on eosc.pl

1. **Integrate data** – datasets from public repositories and EOSC nodes are imported by reference into Onedata spaces and harvested in the eosc.pl catalogue
2. **Select datasets** – the user enters data.eosc.pl and selects input datasets from the distributed catalogues via Onedata
3. **Choose environment** – the user chooses one of many compatible environments
4. **Run analysis** – the user configures Onedata as a data source in Galaxy and launches a workflow; the execution runs on PLGrid's Pulsar server
5. **Gather results** – outputs are written back to the user's Onedata space as RO-Crate with provenance, supported by Galaxy EU
6. **Publish** – final results can be published and shared through the eosc.pl catalogue, making them discoverable and reusable by others





Welcome to EOSC Node Poland!

