



<https://envri-hub.envri.eu/>

OSCARS Annual Meeting 10-12 March 2026

ENVRI Node

Building on the ENVI-Hub



Funded by
the European Union

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The ENVRI EOSC Node

Application submitted to the second wave of EOSC Nodes enrolment call

Coordinator

Anca Hienola

ACTRIS ERIC

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Services and Capabilities

Onboarding framework for infrastructures
ENVRI Catalogue of Services
LLM-enabled Knowledge Base
Reusable interoperability components

Alignment with EOSC core services strengthens federation coherence and supports reproducible, cross-domain environmental science across Europe.

Welcome to the data access and services hub of the European environmental research infrastructures

The Competence Center for the **ENVRI Community**

Search within the ENVRI-Hub website content:



Catalogue of Services

Explore the Research Infrastructures services that provide access to data, metadata, semantic assets, taxonomic information and more, and visualise them on a world map.



Knowledge Base

Search in a natural language the environmental research infrastructures web-exposed information (web pages, datasets, library and notebooks, web APIs and more).



Training Gateway

Access training resources developed by and for the ENVRI Community.



Catalogue of Data (beta)

The ENVRI FAIR Data Point Catalogue.



AI Environmental Expert

Search in a natural language the environmental research infrastructures web-exposed information (web pages, datasets, library and notebooks, web APIs and more).



Programmatic access to the ENVRI-Hub services (beta)

Access the ENVRI-Hub services Applicable Programming Interfaces (APIs) and libraries.



Innovation Hub

The central platform for driving Innovation in environmental research infrastructures



Dashboards for the State of the Environment

Under one easy-to-use interface, access crucial European environmental variables indicators.



Science Demonstrators

Access to science demonstrators from the ENVRI community: interactive web services, example notebooks, and more.

Onboarding External Services to ENVRI-Hub NEXT

Welcome to the ENVRI-Hub NEXT integration portal. We are currently expanding our ecosystem to foster multidisciplinary research and enhance the value chain of environmental data across Europe.

Current Status: Strategic Planning Phase

The **Onboarding Group** is currently defining the strategic guidelines and technical requirements for external service integration.

- **Please Note:** The final requirement list and formal application procedures are not yet fixed.
- **Action:** We appreciate your patience as we refine these standards. If you are interested in onboarding a service, you can announce your interest or ask questions by emailing us at: envri-hub-next-po@mailman.egi.eu.

Onboarding Services to ENVRI-Hub

What We Are Looking for

We seek to onboard services that complement our existing portfolio and enhance cooperation between Research Infrastructures (RIs).

Criterion	Requirement
Relevance	Must be relevant to environmental research domains.
Interoperability	Services must be made interoperable with the Hub's framework.
Scientific Value	Contribution to Essential Climate Variables (ECVs) and high-quality data.
Synergy	Preference for services that complement rather than redundantly compete with the current portfolio.

Special Welcome for OSCARS Project

We extend a warm welcome to projects funded through the OSCARS (Open Science Clusters' Action for Research and Society) cascading grants. As these projects are designed to strengthen the Open Science cloud through community-driven initiatives, we recognize them as key contributors to the ENVRI-Hub as the competence center for the ENVRI community. If you are leading an OSCARS project within the environmental domain, we invite you to start the dialogue early. We are committed to providing a pathway for your outputs to be integrated into the Hub, ensuring your developments achieve maximum impact and long-term sustainability within the ENVRI RI cluster.

Technical Requirements

To ensure seamless integration into the Hub, candidate services will eventually need to meet several technical benchmarks:

- **Metadata & Vocabularies:** Adoption of harmonized standards compatible with the ENVRI Data and Services Catalogue.
- **API Compliance:** Functionalities must be exposed via APIs compatible with ENVRI-Hub NEXT interfaces.
- **Authentication (AAI):** Integration with **ENVRI-ID**, leveraging federated identity management.
- **Reproducibility:** Use of reusable analytical workflows (e.g., Jupyter Notebooks).
- **Quality Assurance:** Implementation of monitoring tools to ensure reliability and SLA compliance.

Onboarding Services to ENVRI-Hub

Express Your Interest

If you are interested in onboarding a service or are leading an OSCARS project, please use the template below to contact us.

[Access the template here.](#)

Afterwards feel free to reach out to us, for example by using the following E-Mail Template.

Contact: envri-hub-next-po@mailman.egi.eu

Subject: Expression of Interest: Service Onboarding – [Service/Project Name]

Dear ENVRI-Hub NEXT Onboarding Group,

I am writing to express interest in onboarding our service to the ENVRI-Hub NEXT ecosystem.

Please find attached the form providing details about our service.

We look forward to receiving updates on the formal onboarding procedures.

Best regards, [Your Name]

Technical Preview

While requirements are being finalized, candidates should prepare for the following integration points:

- **ENVRI-ID:** Integration with our Authentication and Authorization Infrastructure (AAI).
- **Metadata:** Adoption of harmonized standards compatible with the ENVRI Catalogues.
- **API Compliance:** Exposing data via APIs for cross-platform access.
- **Workflows:** Encouragement of Jupyter Notebooks and reusable analytical frameworks.



Thank you

Andreas Petzold

a.petzold@fz-juelich.de

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