



# OSCARS

Open Science Clusters' Action  
for Research & Society

## OSCARS – Open Science. Built by you.

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EGU 2025

## In response to the EU call on EOSC HORIZON-INFRA-2023-EOSC-01-01

- Building on the [Science Cluster approach](#)
- to ensure the **uptake of EOSC by research communities**

## Partners

- Coordinator: **CNRS** LAPP
- **15** partners, **2-3** representing each [Science Cluster community](#)

## Budget and timeline

- Starting date: **1 January 2024**
- Duration: **4 years**
- EC funding: **25 M€** (100%)

## Research Infrastructures and Communities

The science clusters have grown out of five collaborative projects funded by the European Union in 2019 to link ESFRI and other world-class Research Infrastructures (RIs) to the European Open Science Cloud (EOSC). The services developed by the clusters and other outcomes of the projects are cornerstones of the emerging EOSC fabric and support both disciplinary communities and multidisciplinary initiatives with harmonised models for access to data, tools, workflows and training. Each cluster unites multiple RIs in their specific scientific domain.



<https://oscars-project.eu/>





**CERIC**

Central European  
Research Infrastructure  
Consortium



**CLARIN**



**COMMpla**  
Communication Platforms  
and Online Solutions



**eatris**

EMBL



**erinha**

European Research Infrastructure  
on Highly Pathogenic Agents



**FMI**



**JÜLICH**  
FORSCHUNGSZENTRUM



**KNAW**



**MUNI**

**Masaryk  
University**

**Trust-IT Services**  
*communicating to markets*



UNIVERSITEIT VAN AMSTERDAM



University of Ljubljana



**universität  
wien**

## The Science Clusters: Making it Happen.

- We didn't wait for the perfect conditions – we joined EOSC to push collaboration among RIs forward and bring the voices of researchers in.
- We saw a chance to shape how Open Science grows in Europe, and we took it.
- We turn ideas into actions.
- We build alliances, challenge silos and drive a shared agenda for a change.

<https://science-clusters.eu/>



- Policies without practical tools
- One size fits all solutions
- No real researcher buy-in
- Focus on compliance, not culture
- Innovation stuck in slow lanes

**Top-Down Open  
Science hasn't  
worked**



## OSCARS gives researchers the keys

- **Cascading grants:** funding directly to researchers to build the services *they* need.
- **Support for new Open Science projects** that fill gaps across or within disciplines.
- **Competence Centres** and mentorship to scale what works.
- No more waiting for perfect tools—**you create what's missing.**

### Bottom-Up Changes the Game





## 1st OSCARS Open Call Statistics

**€13,120,000** in funding available

35.3% Universities  
24.5% Research Technology Organisations  
16.6% Research Infrastructures  
7.8% SMEs & Startups  
6.4% Non-Profit or NGOs  
4.9% Others  
2% International Organisations  
1.8% Pan-European Organisations  
0.2% Large Enterprises  
0.5% Projects

**264** Proposals submitted

**42** Countries represented

**14%** Of countries are non-EU

**607** Organisations Participating



## 1st OSCARS Open Call Selected Projects Statistics

**58** Projects Selected

**38** from the domains in the 5 Science Clusters (astronomy & particle physics, environmental sciences, life sciences, photon & neutron science, social sciences & humanities)

**17** Cross-cluster

**3** Beyond the domains of the SCs

### Coordinating Organisations

50 Academia and Research  
3 SMEs  
1 Large Company  
4 Others

**28** Countries represented

**264** Proposals submitted

**22%** Success rate

More info at:

<https://www.oscars-project.eu/news/264-proposals-submitted-1st-oscars-open-call>



**WP1**  
**Cluster Open science**  
**Competence Centres**  
**(CLOCC)**

**Jordi Boderà Sempere**



**WP2**  
**Composable RI Services**  
**in EOSC (CRISE)**

**Sally Chambers**



**WP3**  
**Testing and Widening**  
**Uptake (TEWE)**

**Romain David**



**Giovanni Lamanna**  
OSCARS project coordinator



**Friederike Schmidt-Tremmel**  
OSCARS project manager



**Gary Saunders**



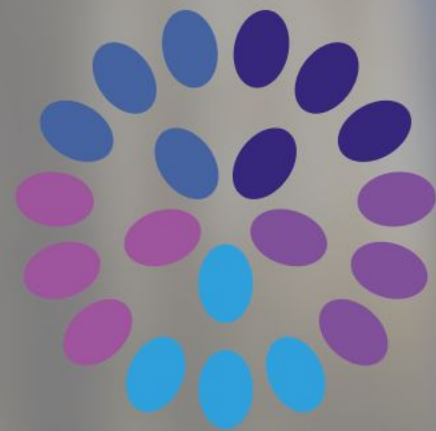
**Paul Millar**



**Anca Hienola**







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Thank you





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## GOYAS



## Geospatial Open-science Yielding ApplicationS: innovative and FAIR remote-sensing data

Principal Investigator: Fernando Aguilar Gómez, CSIC  [0000-0001-9462-4831](https://orcid.org/0000-0001-9462-4831)

Project team members: Isabel Afán, Isabel Caballero, Eva Flo et al.

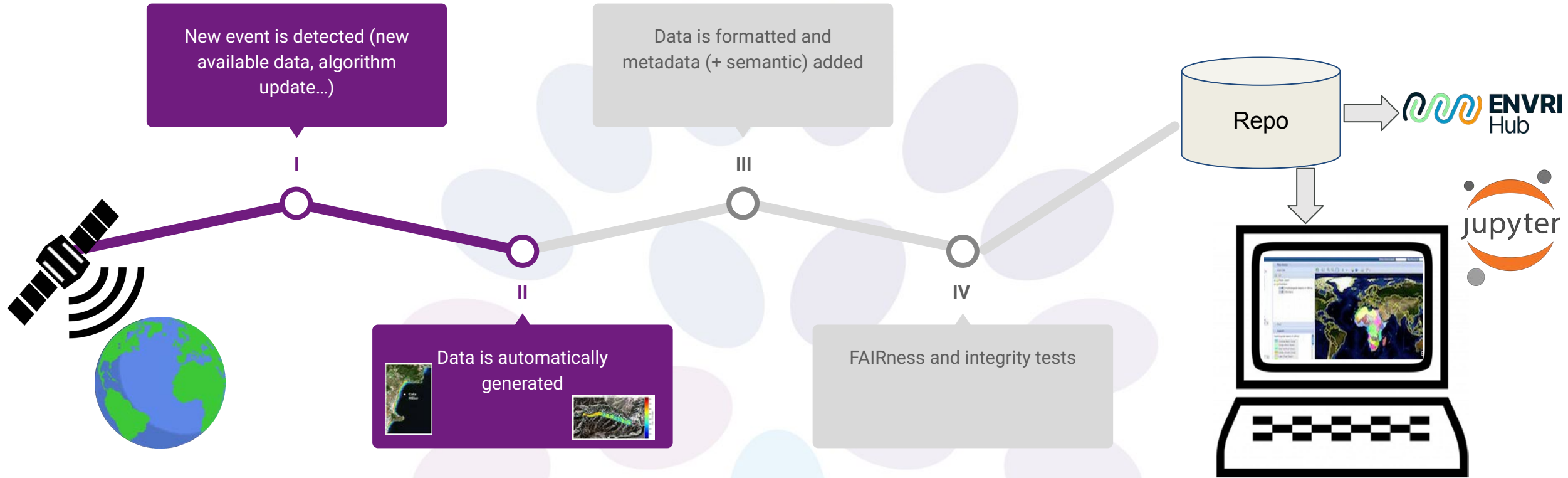
Implemented by



### What problem(s) are you going to solve?

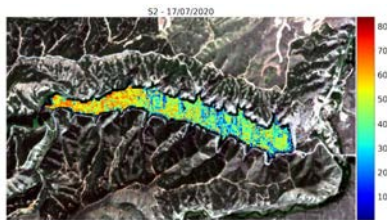
- **FAIR-by-design:** Remote sensing data must be accompanied by adequate metadata and documentation to make it effectively FAIR throughout its lifecycle
  - **Alternative channels** for experimental data products.
  - Local and great **added-value products**
  - **Automatic** data ingestion - **Pipeline**
  - Interoperability
  - Potential users: academia, administration, industry. ENVRI, LTER
  - Pilot for national and international initiatives: **Virtual data distribution center.**
-



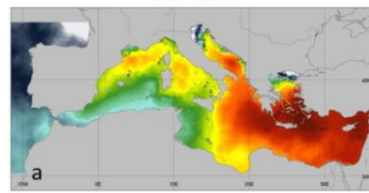


## What will be the results and how do you plan to make them available to the broader community?

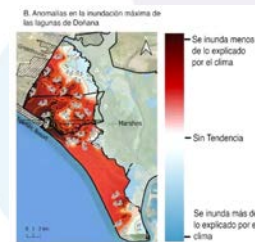
- Fill critical gaps in the accessibility and reusability of high-value remote sensing data, such as inundation maps and water quality data, are valuable but lack visibility, access, or integration into existing data-sharing frameworks.
- FAIR-by-Design Geospatial data portal
- Automatic FAIR data ingestion Pipeline
- Integration and Interoperability: EOSC, Jupyter, ENVRI



AI - Water Quality



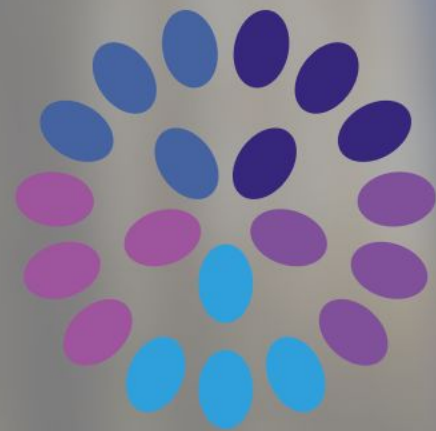
Oceanographic data products



Inundation maps



Satellite-derived bathymetry



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Thank you