



OSCARS

Open Science Clusters' Action
for Research & Society

OSCARS – Open Science. Built by you.

Anca Hienola

Finnish Meteorological Institute

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/>

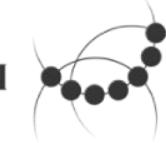


CERIC

Central European
Research Infrastructure
Consortium



CLARIN



Communication Platforms
and Online Solutions



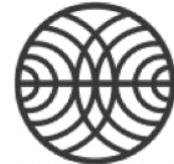
eatris

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





€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

1st OSCARS Open Call Statistics

264
Proposals submitted

42
Countries represented

14%
Of countries are non-EU

607
Organisations Participating



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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>

Giovanni Lamanna
OSCARs project coordinator



Friederike Schmidt-Tremmel
OSCARs project manager



WP1
CLuster Open science
Competence Centres
(CLOCC)

Jordi Bodera Sempere



Gary Saunders



WP2
Composable RI Services
in EOSC (CRISE)

Sally Chambers



Paul Millar



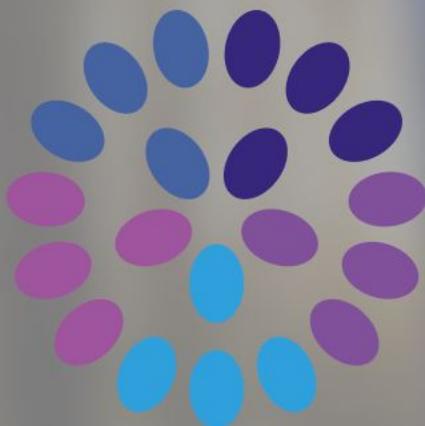
WP3
Testing and Widening
UptakE (TEWE)

Romain David



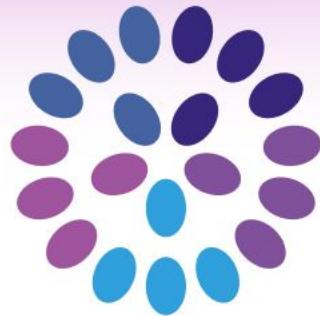
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Thank you



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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.

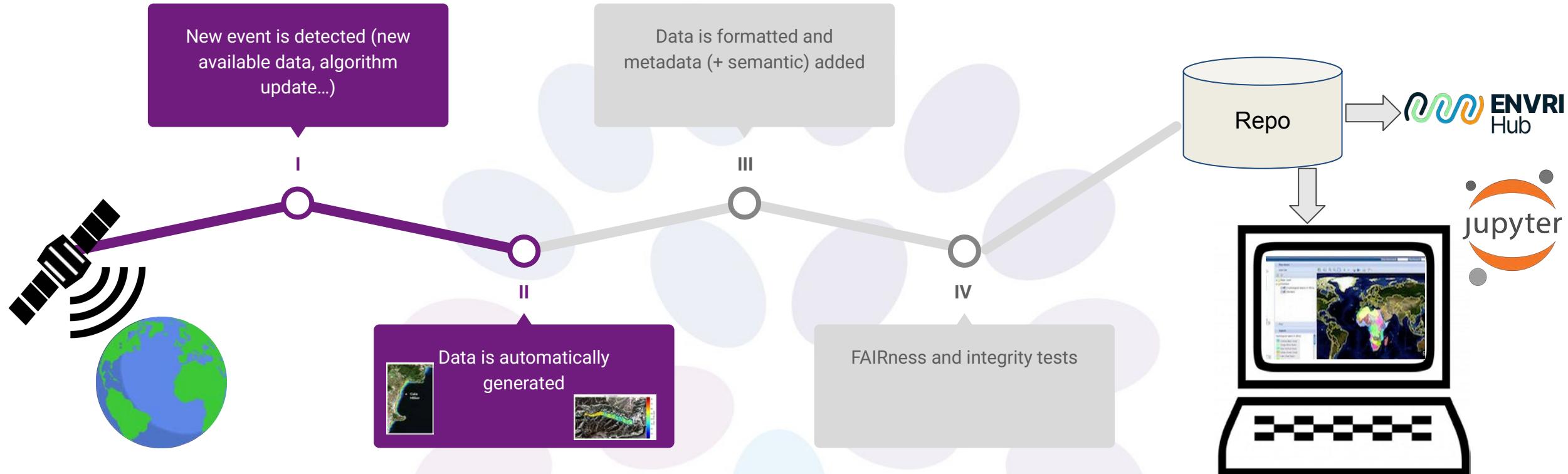
Implemented by



What problem(s) are you going to solve?

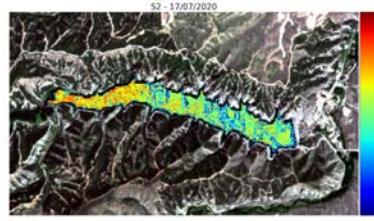
- **FAIR-by-design:** Remote sensing data must be accompanied by adequate metadata and documentation to make it effectively FAIR throughout its lifecycle
- **Alternative channels** for experimental data products.
- Local and great added-value products
- **Automatic** data ingestion - **Pipeline**
- Interoperability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

Solution

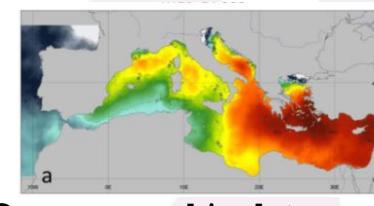


What will be the results and how do you plan to make them available to the broader community?

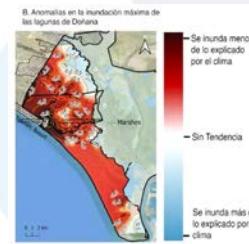
- Fill critical gaps in the accessibility and reusability of high-value remote sensing data, such as inundation maps and water quality data, are valuable but lack visibility, access, or integration into existing data-sharing frameworks.
- FAIR-by-Design Geospatial data portal
- Automatic FAIR data ingestion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



AI - Water Quality



Oceanographic data products



Inundation maps



Satellite-derived bathymetry



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Thank you