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# Open Science as-a-Service for research communities

preliminary results and use cases from the OpenAIRE-Connect project

Open Science <sup>Conference</sup>

A background image showing the silhouettes of a group of people standing on a grassy hill, looking out over a landscape under a sunset or sunrise sky. The sky is a mix of orange, yellow, and blue. The text is overlaid on this image in a large, white, sans-serif font.

**Incepting Open Science  
publishing principles in  
scholarly communication**

# Blowing on the fire of Open Science

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Facilitate Research Communities adoption of **Open Science publishing** principles by supporting artefact publishing tools as-a-Service

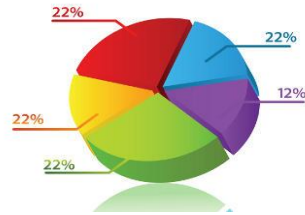
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Facilitate Content Providers at moving towards **Open Science publishing** by supporting notification-based research communication as-a-Service.



# Open Science as-a-Service (OSaaS)

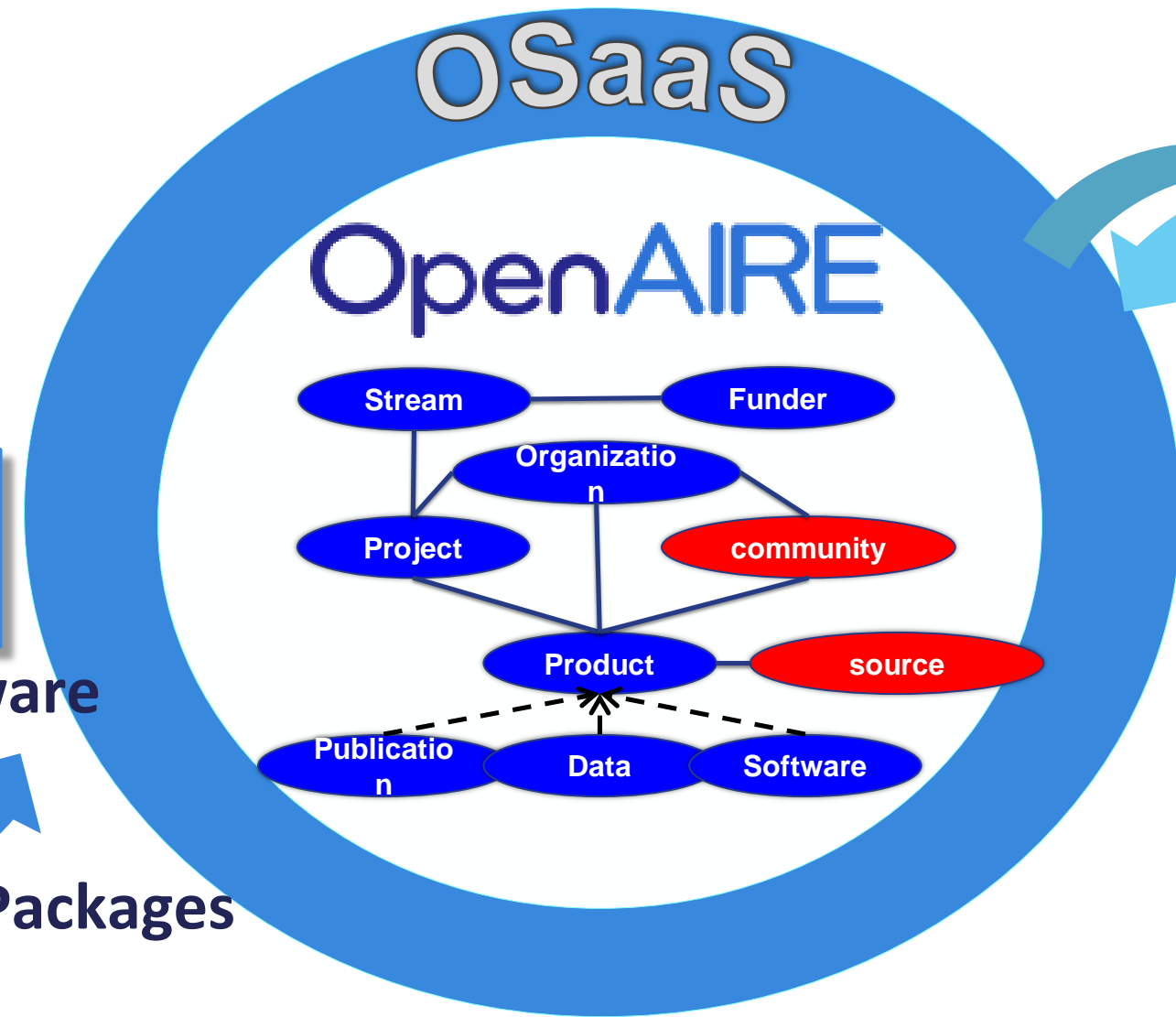
Researchers



Search-Navigate-Monitor-  
Research Impact

**Research Community  
Dashboard**

Projects  
Articles  
Data  
Software  
Packages



**Catch-All-  
Notification Broker**

**Subscription & Notification**

Articles  
Data

Software  
Repositories



# Research Community Dashboard

A window to community's research.

*Open Science as a Service*

# Pilot-driven approach

## Research Community Dashboard Services

- **Earth and Environmental Sciences** (Pangaea and Atlas community),
- **Cultural Heritage and Digital Humanities** (the PARTHENOS research infrastructure),
- **Neuroinformatics** (France Life Imaging national infrastructure),
- **Fisheries and aquaculture management** (the BlueBridge and MARBEC infrastructures)
- **Environment & Economy** (national/EU node of the United Nations Sustainable Development Solutions Network)

# Research communities

## COMMUNITY

e.g. group of scientists with common research intents, interests, vision (discipline-driven).

**Aims: publish, share and discovery**

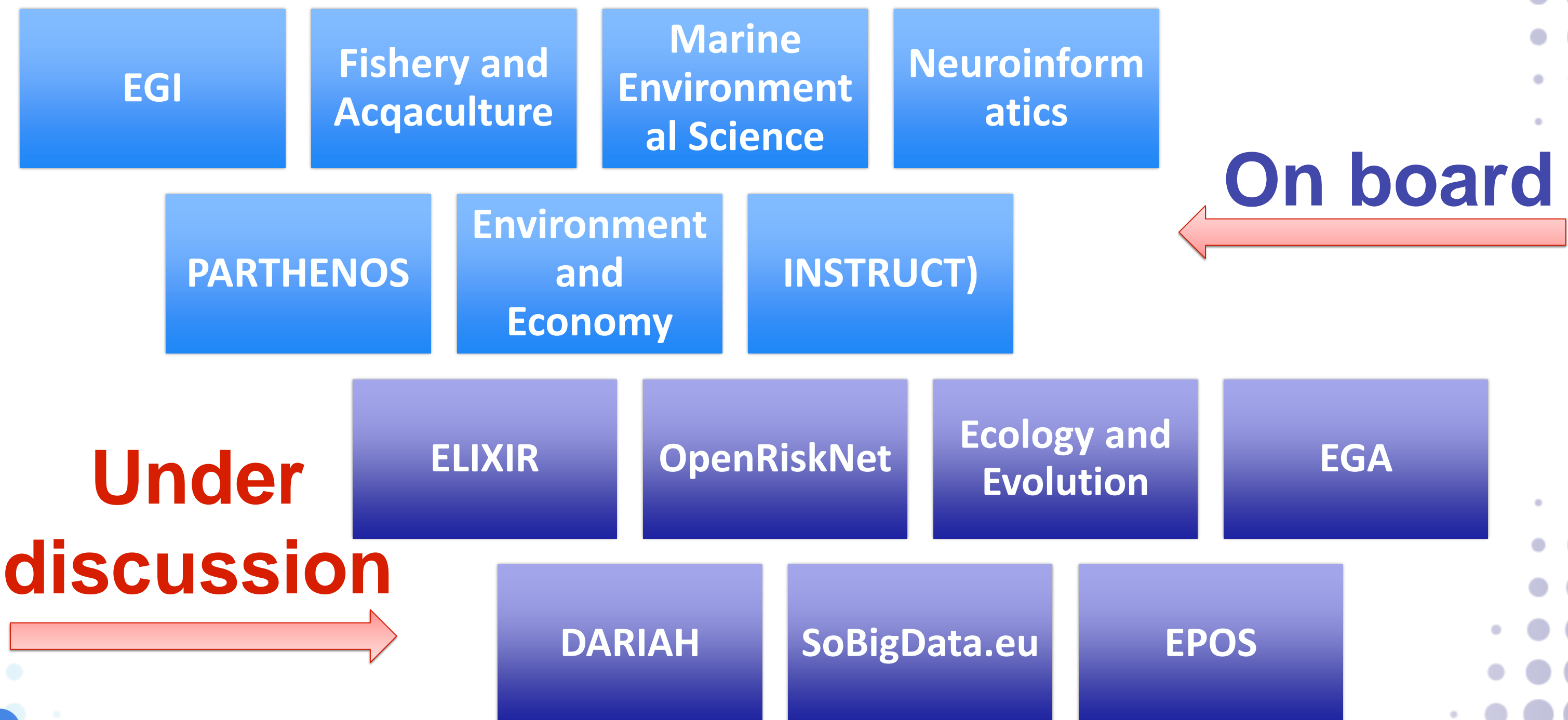
## RESEARCH INITIATIVE

*e.g. long-term (cross-project) funded initiatives such as EGI, RDA and discipline research infrastructures (ELIXIR, EPOS).*

**Aims: research impact**

***The concept is more articulated***

# OpenAIRE Research Communities - status





# Research Community Dashboard

*Community experts  
configure the dashboard*

which repositories to use (pubs, data, software...).  
which text mining rules to use for inference.  
how to structure community (e.g., ontologies).  
which statistics and reports to produce.

Moderate end-users actions.

Govern the service.

OpenAIRE takes over aggregation, cleaning,  
inferring, statistics, reporting, APIs...

Use of interoperability standards by default.

*Communities are “owners”  
of the Dashboard*

# Thank you!

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