

# OpenAIRE service for Research Communities: Open Science as-a-Service

*Thursday, 11 October 2018 14:30 (20 minutes)*

OpenAIRE-Connect fosters transparent evaluation of results and facilitates reproducibility of science for research communities by enabling a scientific communication ecosystem supporting exchange of artefacts, software, packages of artefacts, and links between them across communities and across content providers. To this aim, OpenAIRE-Connect is introducing and implementing the concept of Open Science as a Service (OSaaS) on top of the existing OpenAIRE infrastructure ([www.openaire.eu](http://www.openaire.eu)), by delivering out-of-the-box, on-demand deployable tools in support of Open Science.

OpenAIRE-Connect is realizing and leveraging the uptake of two new services that build on and extend the existing OpenAIRE technical and networking infrastructure, to stimulate a technical and cultural shift towards a scholarly communication ecosystem supporting more effective/transparent evaluation and reproducibility of research results. The first service serves research communities to (i) publish research artefacts (packages and links), and (ii) monitor their research impact. The second service engages and mobilizes content providers, and serves them with facilities enabling notification-based exchange of research artefacts, to leverage their transition towards Open Science paradigms. Both services will be served on-demand according to the OSaaS approach, hence be re-usable by different disciplines and providers, each with different practices and maturity levels.

This World Cafe session will present the new OpenAIRE service for Research Communities, showcasing real use cases from five pilot communities (i: Neuroinformatics from France Life Imaging national infrastructure; ii: European Marine Science from Pangaea and Atlas community; iii: Cultural Heritage and Digital Humanities from the PARTHENOS research infrastructure; iv: Fisheries and aquaculture management from the BlueBridge and MARBEC infrastructures; and v: Environment & Economy from the national/EU node of the United Nations Sustainable Development Solutions Network), addressing community based solutions, and will also demonstrate the features available for research initiatives and infrastructures. The session will discuss the future challenges and the next steps to extend the OSaaS tools for research communities.

The OpenAIRE Research Community Dashboard, to be presented and discussed during the World Café session, is the service that offers access to a virtual space (a graph) including metadata descriptions of all products relevant to the community as well as links between such products; the graph is built by i) scientists depositing their products (via Zenodo) or claiming products and links (associating a DOI to the community, specifying a link between products) or (ii) by services collecting product metadata and links from a number of content providers, ranging from publications repositories to data repositories and repositories of other kinds of products.

## Type of abstract

World Cafe Session

## Summary

This World Cafe session will present the new OpenAIRE service for Research Communities, showcasing real use cases from five pilot communities (Neuroinformatics, European Marine Science, Cultural Heritage and Digital Humanities, Fisheries and aquaculture management, Environment & Economy), addressing community based solutions, and will also demonstrate the features available for research initiatives and infrastructures. The session will discuss the next steps to extend the OSaaS tools for research communities.

The OpenAIRE Research Community Dashboard is the service that offers access to a virtual space including metadata descriptions of all products relevant to the community as well as links between such products.

**Primary author:** PRINCIPE, Pedro (University of Minho)

**Co-authors:** ALESSIA, Bardi (CNR-ISTI); BAGLIONI, Miriam (CNR-ISTI); MANGHI, Paolo (Istituto di Scienza e Tecnologie dell'Informazione - CNR); ANDRÉ, Vieira (University of Minho)

**Presenters:** MANGHI, Paolo (Istituto di Scienza e Tecnologie dell'Informazione - CNR); PRINCIPE, Pedro (University of Minho)

**Session Classification:** OpenAIRE services for Research Communities