

OPEN SCIENCE as-a-service

INTRODUCING
AND IMPLEMENTING
THE CONCEPT OF
OPEN SCIENCE AS A
SERVICE



Today's scientific communication ecosystem lacks tools and practices to allow researchers to fully embrace Open Science. OpenAIRE-Connect fosters transparent evaluation of results and facilitates reproducibility of science for research communities by enabling a scientific communication ecosystem supporting exchange of research artefacts, packages and links between them across communities and content providers.



ENABLING REPRODUCIBILITY AND TRANSPARENT EVALUATION

Aims

OpenAIRE-Connect aims to provide technological and social bridges, and deliver services enabling uniform exchange of research artefacts (literature, data, and methods), with semantic links between them, across research communities and content providers in scientific communication.

- ▶ Facilitate Research Communities adoption of Open Science publishing principles by supporting artefact publishing tools as-a-Service.
- ▶ Facilitate Content Providers at moving towards Open Science publishing by supporting notification-based research communication as-a-Service.

Services

RESEARCH COMMUNITY DASHBOARD SERVICE

For researchers: tools to effectively evaluate and reproduce science.

Dashboard pilots:

- ▶ Earth and Environmental Sciences (PANGAEA and ATLAS community).
- ▶ Cultural Heritage and Digital Humanities (PARTHENOS research infrastructure).
- ▶ Neuroinformatics (France Life Imaging national infrastructure - CNRS).
- ▶ Fisheries and aquaculture management (BlueBridge & MARBEC infrastructures).
- ▶ Environment & Economy (national/EU node of the UN Sustainable Development Solutions Network).

CATCH-ALL NOTIFICATION BROKER SERVICE

For content providers: guidelines and tools to exchange information about published artefacts.

Content provider use cases:

- ▶ Portuguese literature repositories and COAR (UMinho)
- ▶ PANGAEA data archive (UniHB)
- ▶ Zenodo's literature and data repository (CERN)
- ▶ OA publishers committing with: eLife, EuropePMC, Frontiers (Jisc)
- ▶ Support ANDS and GESIS data archives engagement (CNR)