

OR2024 Lightning Talk (or 24x7) Track Submission

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Making data sources discoverable in the EOSC Marketplace via OpenAIRE PROVIDE

André Vieira, University of Minho, andre.vieira@usdb.uminho.pt; Pedro Principe, University of Minho, pedro.principe@usdb.uminho.pt

Abstract

This lightning talk presentation aims to present the integration of services from repository managers, both from OpenAIRE and EOSC to make repositories and their contents interoperable and discoverable by a wider audience.

Institutional Repositories among other kind of data sources are key players to promote research transparency, by offering services to publish research results in open access, contributing to the fulfilment of the open science principles, specifically to make scholarly research accessible to everyone, and to increase its impact on society. On this context, OpenAIRE and EOSC-Future project are offering integrated services and interoperability guidelines to increase the interoperability and visibility of data sources and research results.

The integration between OpenAIRE PROVIDE and EOSC Service Provider Dashboard contributes to simplify processes, where on the one hand OpenAIRE allows the registration and content aggregation and, on the other, EOSC allows it to be displayed on its marketplace, contributing to improve the discoverability of repositories and their content, without duplicating efforts by the repository manager.

This lightning talk will outline the main procedures to onboard data sources in EOSC, clarifying the integration between OpenAIRE services and EOSC, aiming to clarify data source managers about its use and main benefits.

Keywords

Repositories, Data sources, Research results, Discoverability, OpenAIRE, EOSC

Audience

Repository managers

Proposal

This proposal aims to present the onboarding procedures of data sources and research products in the European Open Science Cloud (EOSC), and how OpenAIRE services are integrated. It will be relevant for data source managers who want to make their research results discoverable in the EOSC Marketplace, as they will be introduced to the onboarding procedures, and how their participation in OpenAIRE (having their data sources already registered in OpenAIRE) will ease the onboarding in EOSC.

The EOSC is one of the European Research Area initiatives that aims to build a cloud-based infrastructure for scientific research in Europe. The EOSC aims to promote the principles of Open Science and Linked Open Science by providing a platform for researchers to share and access data, tools, and services.

OpenAIRE is a Non-Profit Partnership, established in 2018 as a legal entity, to ensure a permanent open scholarly communication infrastructure and support research in Europe and beyond. OpenAIRE is making Open Science happen, being an integral part and a leading force behind the EOSC developments.

The OpenAIRE collaboration with EOSC in the context of EOSC-Future project, has contributed, among other initiatives, to develop the EOSC Research Product catalogue and the EOSC Research Products Provider Dashboard within the expansion of the EOSC core services portal, thus contributing to the integration of these services with OpenAIRE's repository registration and content validation and aggregation services, available at the OpenAIRE PROVIDE dashboard.

The OpenAIRE PROVIDE dashboard (<https://provide.openaire.eu/>) is the content gateway service of OpenAIRE, where data source managers are invited to connect scholarly content with OpenAIRE, allowing to enter both the OpenAIRE and EOSC ecosystems and be accessible by millions of researchers, research institutes and networks, research funders, policy makers and citizens. This dashboard offers added value services where data source managers interact with OpenAIRE by validating and enriching the data source metadata and content and providing detailed information about the metadata aggregation stages and consolidated usage statistics reports.

The EOSC Research Products Provider Dashboard, accessible via the EOSC Providers Portal at <https://providers.eosc-portal.eu>, is a web gateway that accepts research products onboarding requests for a given EOSC Data Source and provides guidance for providers via a personalised, user-friendly dashboard that shows the necessary steps and status of the services to complete the validation and onboarding process.

The onboarding procedure starts with the registration of a data source in OpenAIRE PROVIDE, which will include the validation of the research results metadata according to the OpenAIRE interoperability guidelines. Being validated, research results are regularly aggregated by OpenAIRE and automatically eligible to be onboarded in the EOSC Marketplace. Next, in the EOSC Providers Portal dashboard, the data source manager requests the onboarding of the data source and its research results, which, after validation by the onboarding team, will be presented in the EOSC Research Product catalogue and Marketplace.

The development of these integrated services between OpenAIRE and EOSC offers a single and interconnected procedure to onboard data sources (Repositories, Scientific Databases, Aggregators, Journal sites, Publisher sites, and CRIS Systems) and research products (publication, data, software, or other forms of research outcome or asset useful for research, whose metadata is preserved and made accessible via an EOSC Data Source) in the EOSC Providers Portal, in order to make them discoverable in the EOSC Research Product catalogue and Marketplace (<https://marketplace.eosc-portal.eu/>).

References

EOSC Portal (2023). *Instructions to onboard Providers and Services to EOSC: Onboarding Data Sources*. <https://eosc-portal.eu/eosc-providers-hub/how-become-eosc-provider/instructions-onboard-providers-and-resources-eosc>