OR2019 24x7 Submission
14th International Open Repositories Conference, June 10th-13th, Hamburg, Germany

OpenAIRE Dashboard for Content Providers: Open Science as-a-Service for literature and data repositories

André Vieira, University of Minho, andrevieira@sdum.uminho.pt; Pedro Príncipe, University of Minho, pedroprincipe@sdum.uminho.pt, Paula Moura, University of Minho, paulamoura@sdum.uminho.pt; Stefania Martziou, Athena Research and Innovation Center, stefania.martziou@imis.athena-innovation.gr; Claudio Atzori, CNR-ISTI, claudio.atzori@isti.cnr.it

Session Type

- 24x7

Abstract

This proposal aims to present the new OpenAIRE service for content providers, the Content Provider Dashboard, and how their functionalities can help repository managers enriching their collections. The OpenAIRE Content Provider Dashboard is a one-stop-shop web service where content providers (repository, data archive, journal, aggregator, CRIS systems) interact with OpenAIRE. In the context of the global information space, content providers are facing new challenges to manage their collections, namely the interoperability with other interfaces, the metadata exposition and the impact measure of their collections.

The OpenAIRE Dashboard for Content Providers provides the front-end access to many of OpenAIRE's backend services to support content providers facing this challenges, such as the validation service to see how to apply the OpenAIRE Guidelines to expose contents using global standards, the registration in OpenAIRE to reach a wider audience around the world, the Catch-all Broker service to enrich metadata and get connections between different content typologies, and the Usage Statistics service to measure the impact through the usage activity.

Beyond of the service presentation, it is aimed to highlight the user value of the service, which is mainly: enhance repository collections and content for more visibility and access; improve institution memory; better institution research assessment and compliance with funder rules.

Conference Themes

Select the conference theme(s) your proposal best addresses (remove the others):

- Understanding user needs and user experience
- Discovery, use and impact
- Supporting open scholarship and cultural heritage

Keywords

Content providers; Repositories; Repository collections; OpenAIRE services; Dashboard.

Audience

This presentation aims to present the OpenAIRE service for Content Providers targeting repository managers, libraries, data providers, publishers, national aggregators.

Background

This submission presents the OpenAIRE services for repository managers, highlighting how they can improve the interoperability of repositories using global standards, and how to enhance repository collections and content for more visibility and access.

Presentation content

One of the OpenAIRE major services for Open Science is to aggregate content from many different sources from Europe and beyond, which includes literature and data repositories. OpenAIRE infrastructure applies cleaning, transformation, disambiguation processes, and identify relationships among all research entities from the aggregated content. OpenAIRE is developing a publication brokering service where the repository managers will be able to register and get notifications for any updates on the content provided to OpenAIRE.

The OpenAIRE graph is a valuable source for repository managers to improve their repository collections and content, as it may feature information that is not otherwise available to them. Via the OpenAIRE dashboard for content providers, the OpenAIRE Literature Broker Service is offering subscription and notification functionalities explicitly targeting the repository needs. By exploiting the provenance information tracked by the OpenAIRE infrastructure, it will be possible to subscribe to "enrichment" events and be notified whenever OpenAIRE enriches a publication metadata record with new properties (subjects, citation list, research initiatives) or new relationships to projects or datasets. By enriching with relationships and analyzing the information space graph, the service will also be able to notify repository managers about "addition" events whenever a publication metadata record relevant for that repository is aggregated from another data source.

Repositories are interested to acquire metadata that improves their collection of metadata records enrichments: enrich the records they already have with extra metadata information. Repository managers can subscribe to the service to receive notifications about records “assigned to them” and specify topics and how and when to be notified. The broker services are available via the dashboard for OpenAIRE content providers.

The OpenAIRE content providers dashboard includes the current validator and registration service and other functionalities, such as the monitoring of aggregation process, metadata enrichment and usage statistics. This dashboard is mainly one-stop-shop web service where data providers (repository, data archive, journal, aggregator, CRIS system) interact with OpenAIRE. It provides the front-end access to many of OpenAIRE's backend services with the following user value: 1) Enhanced repository collections and content for more visibility and access, 2) Improved institution memory; 3) Better institution research assessment, 4) Compliance with funder rules.

Repository System

- Not Applicable

Conclusion

This presentation aims to present and shape the Content Provider Dashboard, a new OpenAIRE service available in production since October 2018 targeting repository managers, that offers a set of added value functionalities to enhance repository collections and the way repository managers community can contribute to the OpenAIRE repositories network infrastructure.