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OpenAIRE Guidelines:
supporting interoperability for Data Archives

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Abstract

OpenAIRE supports the European Commission Open Access policy by providing an infrastructure for researchers to comply with the European Union Open Access mandate.

The current OpenAIRE infrastructure and services, resulting from OpenAIRE and OpenAIREplus FP7 projects, builds on Open Access research results from a wide range of repositories and other data sources: institutional or thematic publication repositories, Open Access journals, data repositories, Current Research Information Systems and aggregators.

To facilitate this, an integrated suite of guidelines were developed with specific requirements supporting the goals of OpenAIRE and the European Commission: guidelines for Literature Repository Managers, for Data Archive Managers and for Current Research Information Systems (CRIS) Managers.

Since 2010, the OpenAIRE Guidelines have been used to provide guidance to data providers on how to expose their content, to promote interoperability, to validate and harvest repositories and other data sources into the OpenAIRE infrastructure.

Exposure and visibility of content from a range of European repositories will be significantly increased when a common and interoperable approach is taken as well as adhering to existing guidelines. This compatibility will lead to future interoperability between research infrastructures, and structured metadata is of benefit to individual data repositories and the scholarly community at large.

This poster outlines the OpenAIRE Guidelines for Data Archive Managers[i].

The OpenAIRE Guidelines for Data Archive Managers provides instruction for data archive managers to expose their metadata in a way that is compatible with the OpenAIRE infrastructure.

The metadata from data archives should be included in the OpenAIRE information space, and exposed when data are related to an Open Access publication e.g. a dataset cited by an article.

OpenAIRE has adopted the DataCite Metadata Schema as the basis for harvesting and importing metadata about datasets from data archives. OpenAIRE shares the goal of the DataCite Metadata Schema - to provide a domain agnostic metadata schema and provide interoperability through a small number of properties - making interoperability possible in the simplest manner possible and as a result keep the technical barriers for implementation as low as possible.

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This poster intends to clarify the most relevant technical specifications from these guidelines: access rights and license information; funding information; related publications and datasets information; embargo date information; use of OAI-PMH.

The OpenAIRE guidelines will continued to be developed by OpenAIRE 2020, an 42 month project funded by the European Commission Horizon 2020 Programme, which the main objective is to establish an open and sustainable scholarly communication infrastructure responsible for the overall management, analysis, manipulation, provision, monitoring and cross-linking of all research outcomes (publications, related datasets, software and services) across existing, planned and future repositories.

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[i] OpenAIRE Guidelines for Data Archives:
https://guidelines.openaire.eu/wiki/OpenAIRE_Guidelines:_For_Data_Archives