Open Archives Initiative Protocol for Metadata Harvesting

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Introduction and Background

- Open access for data will become standard for EU projects.
- Requirement to link research results (including data) in the EC's participant portal at reporting time.
- This linking is done automatically, if the data is published in an OpenAIRE compliant repository.

OpenAIRE

Links and federates existing repositories. As such it provides access to publications that have been deposited in all repositories that are technically interoperable with OpenAIRE ("OpenAIRE compliant").

OpenAIRE Compliance with ICAT

- OpenAIRE uses the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH) v2.0 for harvesting dataset metadata.
- OpenAIRE uses the DataCite Metadata Schema v3.1 with some minor adjustments.
- Implement an OAI-PMH connector as a separate component that serves harvesting requests and contacts ICAT as a client in order compile the responses.
- Need funding informations, but it is not obvious where to store that information in the ICAT schema. Possible places: `Study` or `InvestigationParameter`.

References

📄 OpenAIRE.
OpenAIRE Guidelines for Data Archives, 2014.
https://guidelines.openaire.eu/en/latest/data/index.html.

📄 Open Archives Initiative.
The Open Archives Initiative Protocol for Metadata Harvesting,
version 2.0, 2002.
https://www.openarchives.org/pmh/.

📄 DataCite.
DataCite Metadata Schema 3.1, 2014.
https://schema.datacite.org/meta/kernel-3.1/.