OpenAIRE Guidelines for CRIS Interoperation based on CERIF XML
OpenAIRE is about linking publications to projects
But not just ANY publications or projects
Implementation of SC39

• OpenAIRE was set out to:
  • Support and Monitor the implementation of SC39 the OA-pilot
  • The strategy was to build on the existing repository infrastructure in Europe
  • Build on and reuse the work done in DRIVER
  • To harvest OAI repositories and link articles to EC funded projects e.g. FP7 and ERC
OpenAIRE Guidelines

• The OpenAIRE Guidelines Version 1.0 – 2.0
  • Based on the DRIVER Guidelines

• Guidelines with specific requirements supporting the goal of OpenAIRE and the EC
  • Peer reviewed articles
  • Link to EC-funded project by exposing grant agreement number
  • Display access mode and embargo period
It was SIMPLE by intention.
But the uptake was slow
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam.
OpenAIRE needs to be more inclusive
• Linking publications to projects is not only relevant for the EC
• Linking to other related information like data set
• Links can be discovered through text mining -> content is key

OpenAIRE matures as an infrastructure
Still in scope

Building on existing standards

- OAI-PMH
- DRIVER Guidelines
- OpenAIRE Guidelines ++
- DataCite Metadata Scheme
- CERIF-XML
- ...

EuroCRIS membership meeting, Bonn 13 – 14 May 2013
OpenAIRE Guidelines

1. Guidelines for Literature Repository managers version 3.0

2. Guidelines for Data Archive Managers 1.0

3. Guidelines for CRIS Interoperation in CERIF-XML
Collaborations

...24 hours in a day not enough

- crossRef – metadata resolver
- EuroCRIS – research data model
- OpenDOAR – OA repository registry
- ORCID – researcher IDs
- DataCite – citation for data
- CORDIS – EC display portal
- REISearch – researcher social network
- PLOS – share usage data
- EGI – scientific initiative to build
- ENGAGE – exchange data through CERIF

2-way collaboration
The OpenAIRE data model

Main entities and relationships

CERIF-compliant

- Research results & licences
  - Publications
  - Research data (datasets & databases)
- People
  - Authors, PIs
- Research organizations
- Funders and funding schemes
- Data Sources
  - Repositories, aggregators, registries, CRIS
Wiki for the OpenAIRE guidelines and collaboration

Main Page

OpenAIRE Guidelines

Welcome to the OpenAIRE Guidelines wiki. The intention of this wiki is to provide a public space to share OpenAIREs work on interoperability and to engage with the community. This means you are invited to comment and change the content of this wiki.

- OpenAIRE Guidelines for Literature Repositories
- OpenAIRE Guidelines for Data Archive Managers
- OpenAIRE application profile for CERIF-XML

Consult the User’s Guide for information on using the wiki software.

The Guidelines in practice

These pages are all open and intended for all stakeholders and the data provider community to add their experience and best practices. The guys from OpenAIRE will also add their experiences when now types of data providers engage with OpenAIRE.

- For literature repository managers
- For data archive managers
- For CRIS Managers

Getting started

- Configuration settings list of
- MediaWiki FAQ
- MediaWiki release mailing list

Add your comment
Zenodo
Sharing Research Data across Europe - Making Science More Visible

EuroCRIS membership meeting, Bonn 13 – 14 May 2013
Thank you!

- [www.openaire.eu](http://www.openaire.eu)
- [@openaire_eu](https://twitter.com/openaire_eu)
- [facebook.com/groups/openaire](https://www.facebook.com/groups/openaire)
- [linkedin.com/groups/OpenAIRE-3893548](https://www.linkedin.com/groups/OpenAIRE-3893548)

- miel@dtic.dtu.dk
euroCRIS participation in OpenAIREplus
Keith Jeffery; Anne Asserson; Nikos Houssos; Brigitte Jörg;
coordinated by EKT, Greece

Alignment of the OpenAIRE Data Model to CERIF
OpenAIRE Guidelines for CRIS Interoperation based on CERIF XML
Data in CRIS systems of relevance to OpenAIRE

• Projects, Funding, Publications, Datasets, Persons, Organisations
• Semantic relationships between entities
• Federated Identifiers
• Geographic Information
Usage Profiles in CERIF-XML

- Publications +connection Projects
- List of Projects
- List of People (+ e.g. notTechnician; notAdministration)
- Dataset distinct from Pubs (+ connection to project)
- Funding Structures
- Linkage between Funding and Projects
- List all Resources
OAI-PMH as a protocol to retrieve information from CRIS systems

(Initial approach - subject to further improvements)

- CERIF XML metadata prefix for OpenAIRE
- Different sets for different subsets of the CRIS information
- One mandatory „list-all“ set
- Several more sets for different subsets of the data in the CRIS
Using OAI-PMH to retrieve information from CRIS systems

- List of all shareable Objects and Links (mandatory)
- Lists of Projects, Funding, People
- Publications linked with projects and funding
- Dataset distinct from Pubs (+ connection to project)
Current State

- Identified relevant CERIF Subset
- Identified re-usable Vocabularies
- Drafted the first Version of the OpenAIRE Guidelines for CRIS Interoperation based on CERIF XML
- Drafted a first version of a validating CERIF XML Schema for OpenAIRE
Next Steps

• Finalise and Represent Profiles in CERIF XML
• Finalise CERIF XML Schemas for Validation
• Confirm the priority of use-cases within the CRIS and OpenAIRE community
  Get feedback from the CRIS and OpenAIRE community
• Finalise the „OpenAIRE Guidelines for CRIS Interoperation based on CERIF XML“
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