OpenAIRE workflow for CRIS harvesting and first applications
Contents

● Brief overview of OpenAIRE
● Guidelines for CRIS Managers
● DRIS and PROVIDE
● first applications
● take a way
OpenAIRE: Open Access, Data, and Science

- 2006: OA pilot for literature
- 2009: OpenAIRE started
- 2010: OpenAIRE Guidelines for Literature Repositories
- 2012: OpenAIRE Guidelines for Data Archive Repositories
- 2015: OpenAIRE Guidelines for CRIS Managers
- 2018: Updating of Literature to Institutional and Thematic Repositories
- 2022: Update of OpenAIRE Guidelines for CRIS Managers
A range of Services covering all research life cycle

Inspiration: Innovations in scholarly communication (Discovery-Analysis-Writing-Participation-Outreach-Assessment) [https://101innovations.wordpress.com/](https://101innovations.wordpress.com/)

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OpenAIRE AMKE (since 2019)

- 36 regular Members
- 13 associate Members

https://www.openaire.eu/amke-members
National Open Access/Science Desks

- Armenia
  Shushanik Sargsyan
  RAP NAS RA

- Austria
  Gerda Mc Neil
  University of Vienna

- Belgium
  Inge Van Nieuwerburgh
  University of Ghent

- Belgium
  Emilie Hermans
  University of Ghent

- Bulgaria
  Peter Stanchev
  Bulgarian Academy of Sciences

- Bulgaria
  Georgi Simeonov
  Bulgarian Academy of Sciences

- Croatia
  Jadranka Stojanovski
  Rudjer Boskovic Institute

Elly Dijk
Senior policy Advisor at DANS-KNAW / NOAD for the Netherlands

Data Archiving and Networked Services (DANS), an institute of the Royal Netherlands Academy of Arts and Sciences (KNAW), the Netherlands
OpenAIRE research graph

An open metadata research graph of interlinked scientific products, with access rights information, linked to funding information and research communities.

>450Mi harvested records
>500Mi bi-lateral links
>13Mi full-texts
>160Mi dedupl. Research Products

https://graph.openaire.eu
https://doi.org/10.5281/zenodo.3516917
https://develop.openaire.eu
Collecting metadata, links, and full-texts from more than 12K sources worldwide to materialize a graph where entities of the research life cycle are linked to each other.
Guidelines for CRIS Managers
Guidelines for CRIS Managers v1.1.2rc - an update

● using the latest COAR resource type vocabulary v3.1 (#99), compatible with the previous version.

● report on the ‘Compliance of the OpenAIRE Guidelines for CRIS Managers v1.1.1 with the FAIR Principles’ (#98)

● adding more description and examples

● Update of the CRIS-Validator at https://github.com/EuroCRIS/openaire-cris-validator
  ○ OAI Identifier uses outdated validation for domain name (#126)

https://github.com/openaire/guidelines-cris-managers
OpenAIRE Research Graph - the supply chain

Data sources

Aggregation

CRIS

Continuous validation

Deduplication

Different records representing the same entity (results or organization) are merged in one

Metadata records corresponding to equivalent objects are merged. Pre-print, post-print, published versions are considered equivalent for stats & monitoring purposes

Enrichment

Full-text mining
Inference of new properties and links
DRIS :: the directory of :: Research Information Systems ::
**euroCRIS DRIS simplifies CRIS registration**

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<tr>
<th>Country</th>
<th>EuroCRIS DRIS</th>
<th>Operational</th>
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euroCRIS DRIS - the map
Some DRIS entries already show OpenAIRE registration

DRIS record METIS Research Information System

<table>
<thead>
<tr>
<th>Name of the CRIS</th>
<th>METIS Research Information System</th>
<th>Acronym</th>
<th>METIS Radboud</th>
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<tbody>
<tr>
<td>Description</td>
<td>METIS is the CRIS of Radboud University. It was implemented already in 1994 and as such is one of the oldest fully fledged CRIS's in Europe.</td>
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<tr>
<td>Status</td>
<td>Operational</td>
<td>Scope</td>
<td>Institutional</td>
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<tr>
<td>URI</td>
<td><a href="https://www.ru.nl/research-information-services/manuals/ris-explained/">https://www.ru.nl/research-information-services/manuals/ris-explained/</a></td>
<td>Number of users</td>
<td>750</td>
</tr>
<tr>
<td>Institution/organization</td>
<td>Radboud University Nijmegen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>Central Management</td>
<td>Contact person</td>
<td>Simons, Eduard</td>
</tr>
<tr>
<td>CRIS data output</td>
<td>Central Management</td>
<td>CRIS data supply</td>
<td>Faculties</td>
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<td>Country</td>
<td>Netherlands</td>
<td>Coverage</td>
<td>Dataset</td>
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<tr>
<td>CRIS data validation</td>
<td>Central Administration</td>
<td>Software</td>
<td>Metis</td>
</tr>
</tbody>
</table>
join euroCRIS :: DRIS

- Register via https://www.eurocris.org/dris/dris-form
- Drop us a line at eurocris@eurocris.org

There’s a number of *minimally sufficient metadata elements* needed to create a DRIS entry:

- CRIS type (institutional, regional, national, funder, aggregation, etc)
- Organisation hosting the CRIS
- CRIS name
- Software solution
- Status (operational, under construction)
- URL for publicly available portal

CRIS endpoint URL *is not shown* on DRIS entries in order not to compromise safety, but this is necessary for OpenAIRE harvesting

https://dspacecris.eurocris.org/cris/explore/dris
Research Information Systems (CRIS) at OpenAIRE
join OpenAIRE/EOSC

Your data is valuable. Get connected. Participate

The Provide Dashboard is a one-stop-service where content providers interact with OpenAIRE and become a building block of a global Open Research community. A gateway to the European Open Science Cloud.

- Register
- Manage
- Information about Enrichments
- Information about UsageCounts
- Validation and FAIR assistance

https://provide.openaire.eu
Register your datasource

- Literature repository
- Data repository
- Aggregator
- CRIS systems
Register your datasource

1. Select Datasource
2. Register data source

Please make sure your Research Information System is registered in [euroCRIS](https://www.eurocris.org)

Last Updated: 2022-09-03

Select country
Netherlands

**euroCRIS - Research Information Systems in Netherlands**

Name of repository

- Amsterdam UMC (VU Amsterdam) - Research Portal
- BOAS Research Portal
- Delft Research Portal
- Hanze University of Applied Sciences Research Information Portal
- LUCRIS
- METIS EUR
- NWO Research Projects

Data repository

CRIS systems
first applications
OpenAIRE and the EOSC Core

Guidelines
Setting compliance of OpenAIRE/EOSC data sources

Data Source

PROVIDE
Register Validate

DEVELOP
EXPLORE
MONITOR

Community-customized OS research impact

CONNECrt

Research Infrastructures OS Publishing
CRIS systems yet harvested by OpenAIRE
CRIS systems yet harvested by OpenAIRE
take a way
● joining communities to share knowledge and fostering Open and FAIR Science
  ○ participation in the further development of the guidelines

● offer training and support for metadata interoperability  (contact: helpdesk@openaire.eu)

● make your research outcomes available to the European Open Science Cloud (EOSC) via OpenAIRE.
Some CRIS solutions are out-of-the-box OpenAIRE-compliant

- out-of-the-box compliant
  - DSpace-CRIS since v5.10, v6.3, v7.x
  - PURE since v5.14
  - Omega-PSIR since v1.2
  - ...

Overview of repository platforms and supported guidelines:
https://docs.google.com/spreadsheets/d/1_TQzbMf1jz-YEgatt76lMe-MBbt28g-1_N7j_GZyoPc/edit#gid=1470707378
# Community Calls

## Upcoming calls & Agendas

<table>
<thead>
<tr>
<th>Date</th>
<th>Main Topic</th>
<th>Time</th>
<th>Call link</th>
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</thead>
<tbody>
<tr>
<td>December 7th, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
<td>2:30 PM - 3:30 PM CET</td>
<td>Zoom</td>
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</table>

## Notes & Recordings

<table>
<thead>
<tr>
<th>Date</th>
<th>Main topic</th>
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<tbody>
<tr>
<td>November 9th, 2022</td>
<td>• Notes, Slides, Recording</td>
</tr>
<tr>
<td>October 5th, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
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<tr>
<td>June 8th, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
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<td>May 5th, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
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<td>April 8th, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
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<tr>
<td>March 2nd, 2022</td>
<td>• CRIS systems registration in OpenAIRE and most recent developments</td>
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[www.openaire.eu/provide-community-calls](http://www.openaire.eu/provide-community-calls)

[https://www.openaire.eu/newsletters](https://www.openaire.eu/newsletters)

#OpenAIRE_CommunityCalls

#ProvideCommunity
Questions?

THANK YOU

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http://www.openaire.eu/provide-community-calls