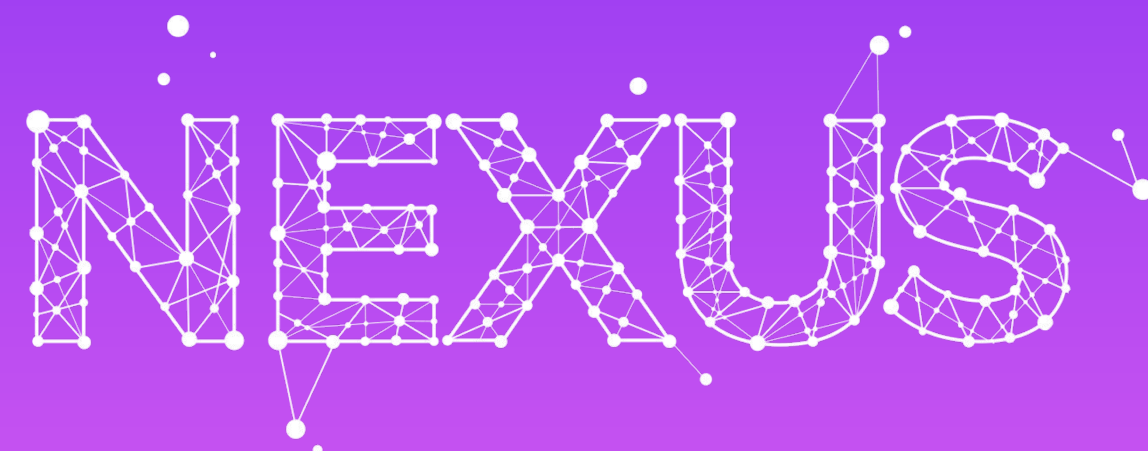




Andreas Czerniak

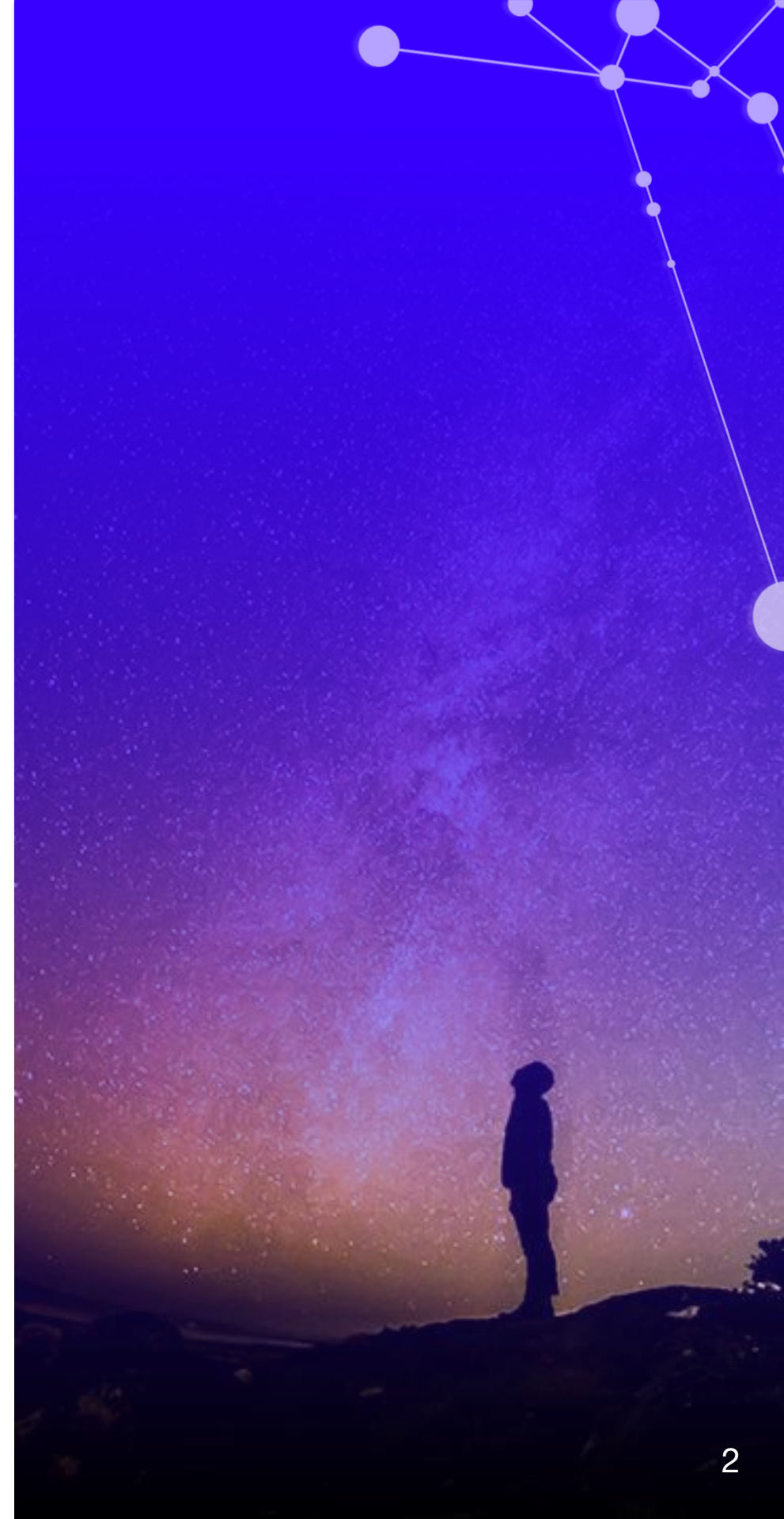
Bielefeld University Library

OpenAIRE workflow for CRIS harvesting and first applications



Contents

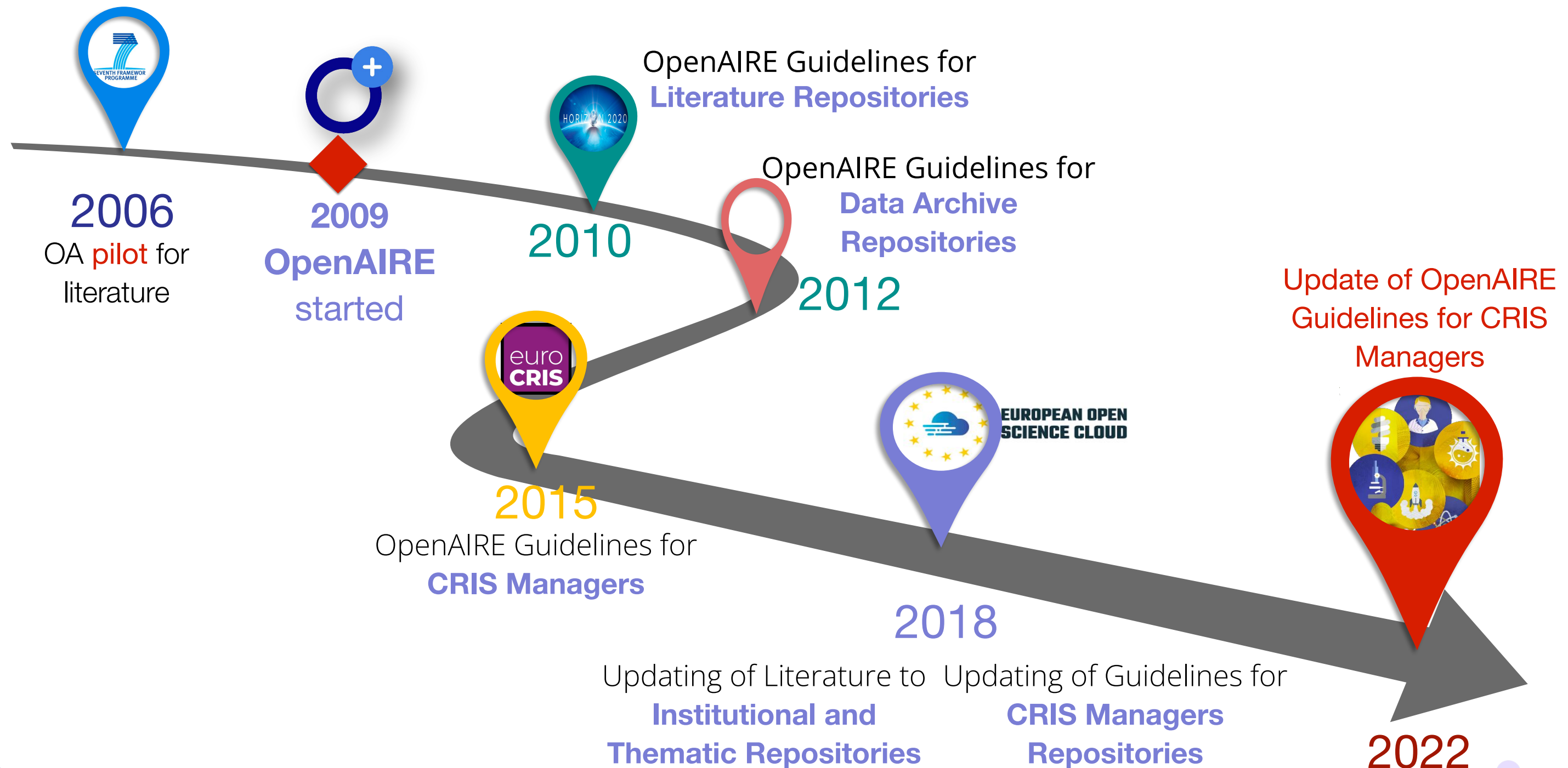
- **Brief overview of OpenAIRE**
- **Guidelines for CRIS Managers**
- **DRIS and PROVIDE**
- **first applications**
- **take a way**



OpenAIRE

⌘ a way to Open Science ⌘

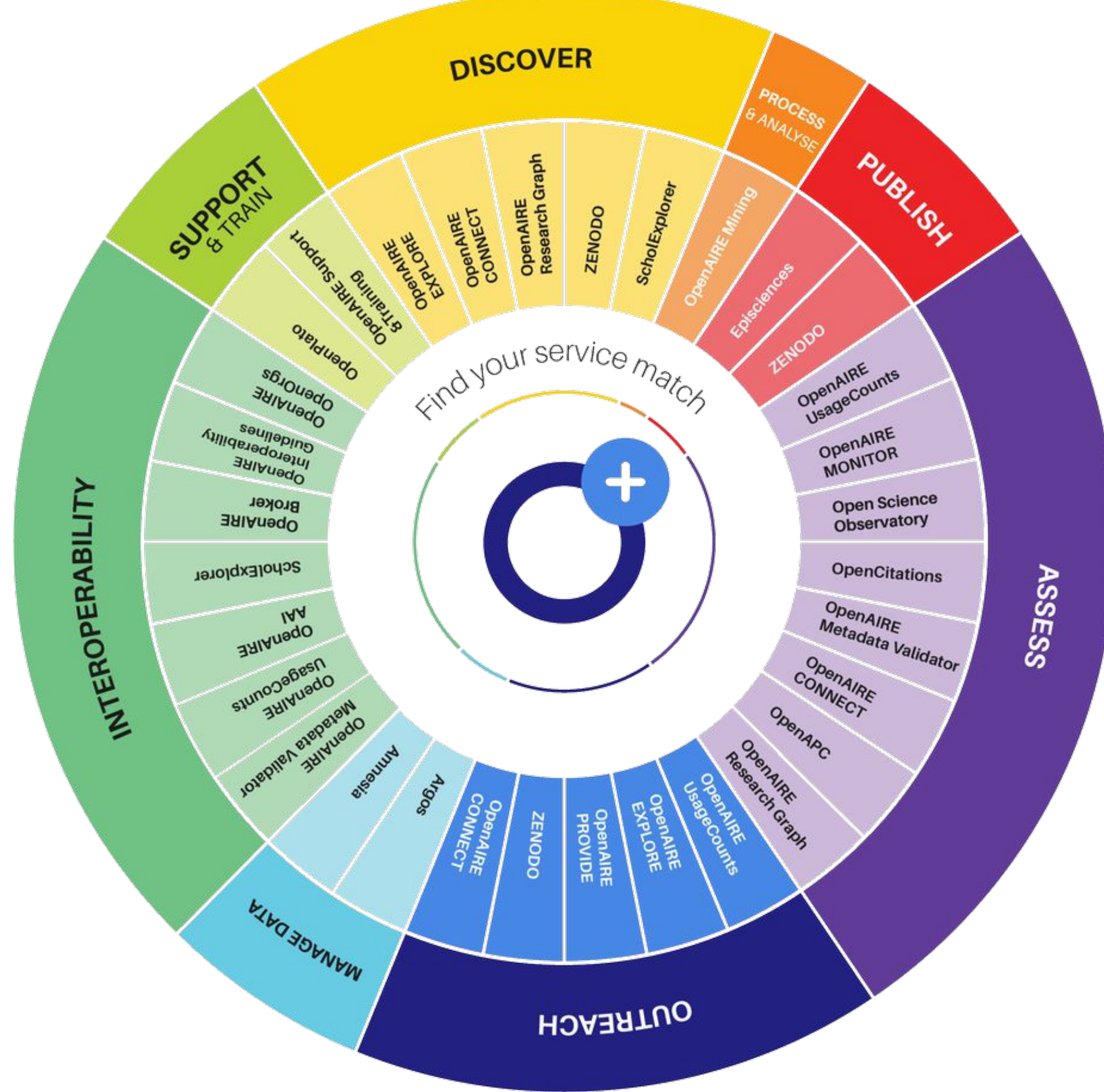
OpenAIRE: Open Access, Data, and Science



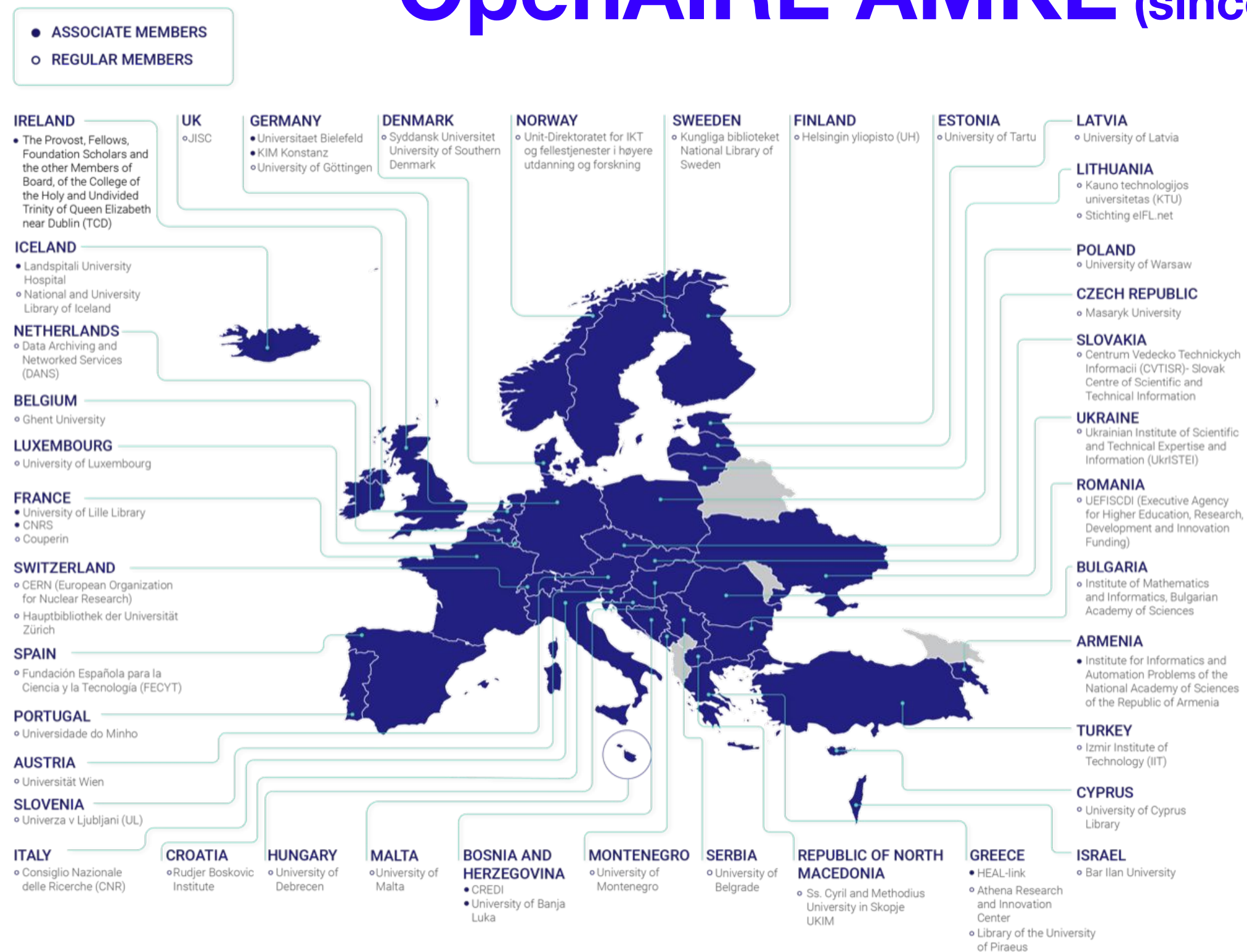
A range of Services covering all research life cycle

Inspiration: Innovations in scholarly communication
(Discovery-Analysis-Writing-Participation-Outreach-Asse
ssment) <https://101innovations.wordpress.com/>

Jeroen Bosman j.bosman@uu.nl
Bianca Kramer b.m.r.kramer@uu.nl
Utrecht University Library, The Netherlands



OpenAIRE AMKE (since 2019)



- 36 regular Members
- 13 associate Members

<https://www.openaire.eu/amke-members>

National Open Access/Science Desks



 Armenia

Shushanik Sargsyan

IIAP 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

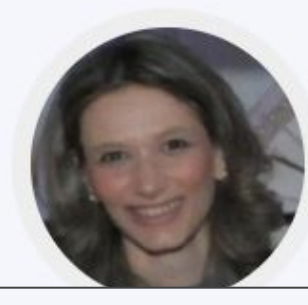
Bulgarian Academy of Sciences



 Croatia

Jadranka
Stojanovski

Rudjer Boskovic Institute



Elly Dijk

 [The Netherlands](#)

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



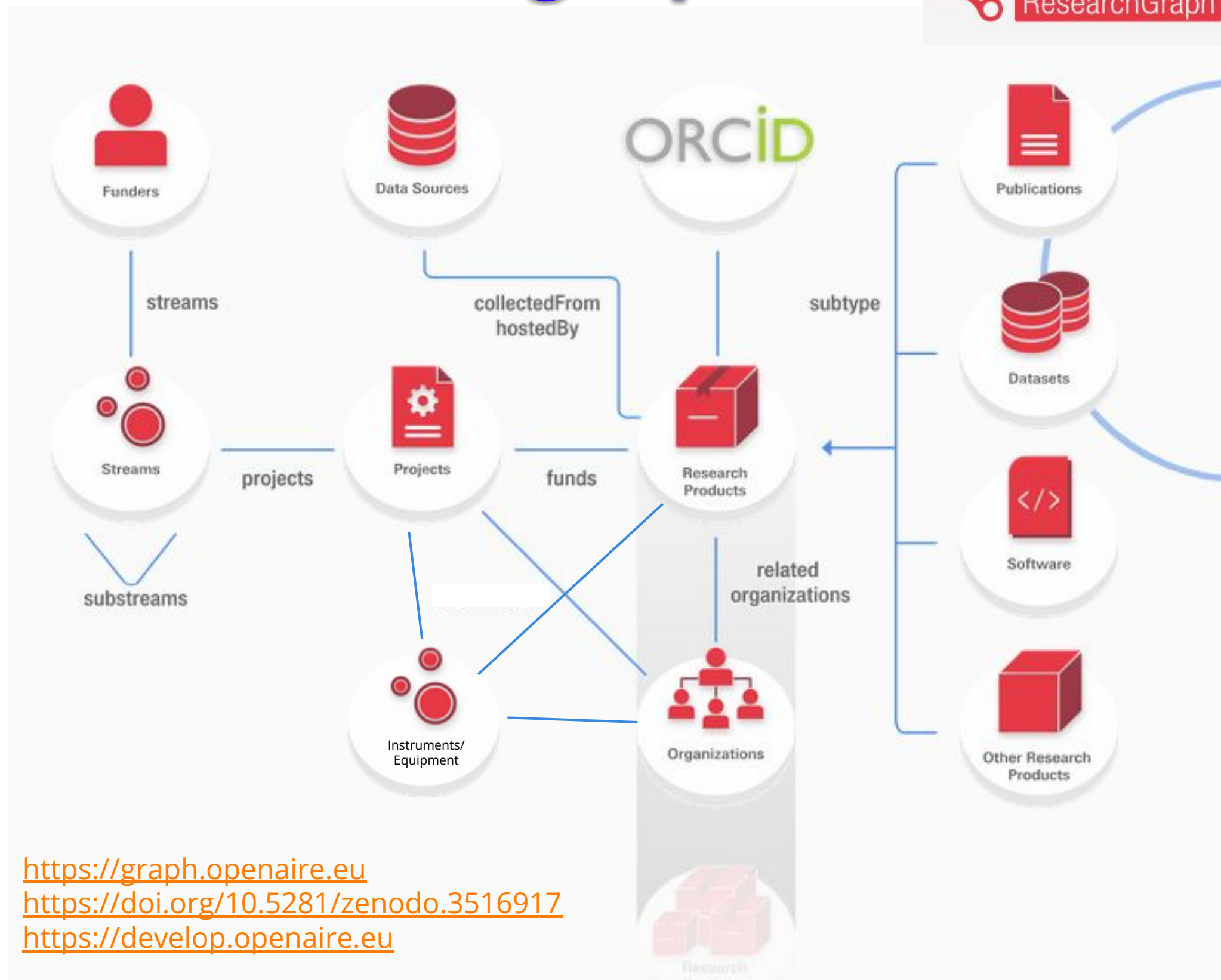
Data Archiving and Networked Services (DANS), an institute of the Royal Netherlands Academy of Arts and Sciences (KNAW), the Netherlands

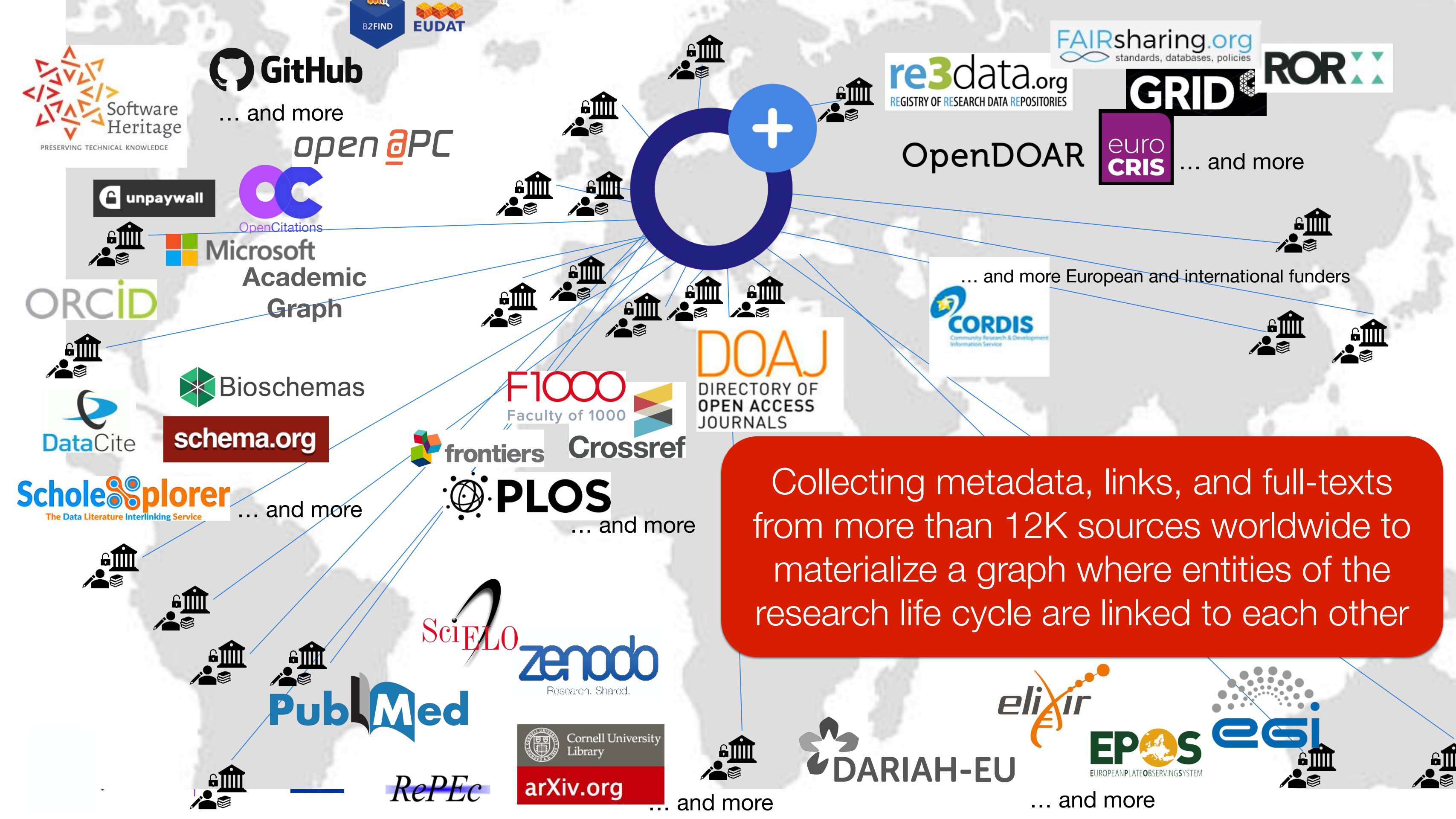
OpenAIRE research graph

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





... and more

open@PC



OpenDOAR



... and more



OpenCitations



Microsoft
Academic
Graph



Bioschemas



... and more



Crossref

... and more



RePEc



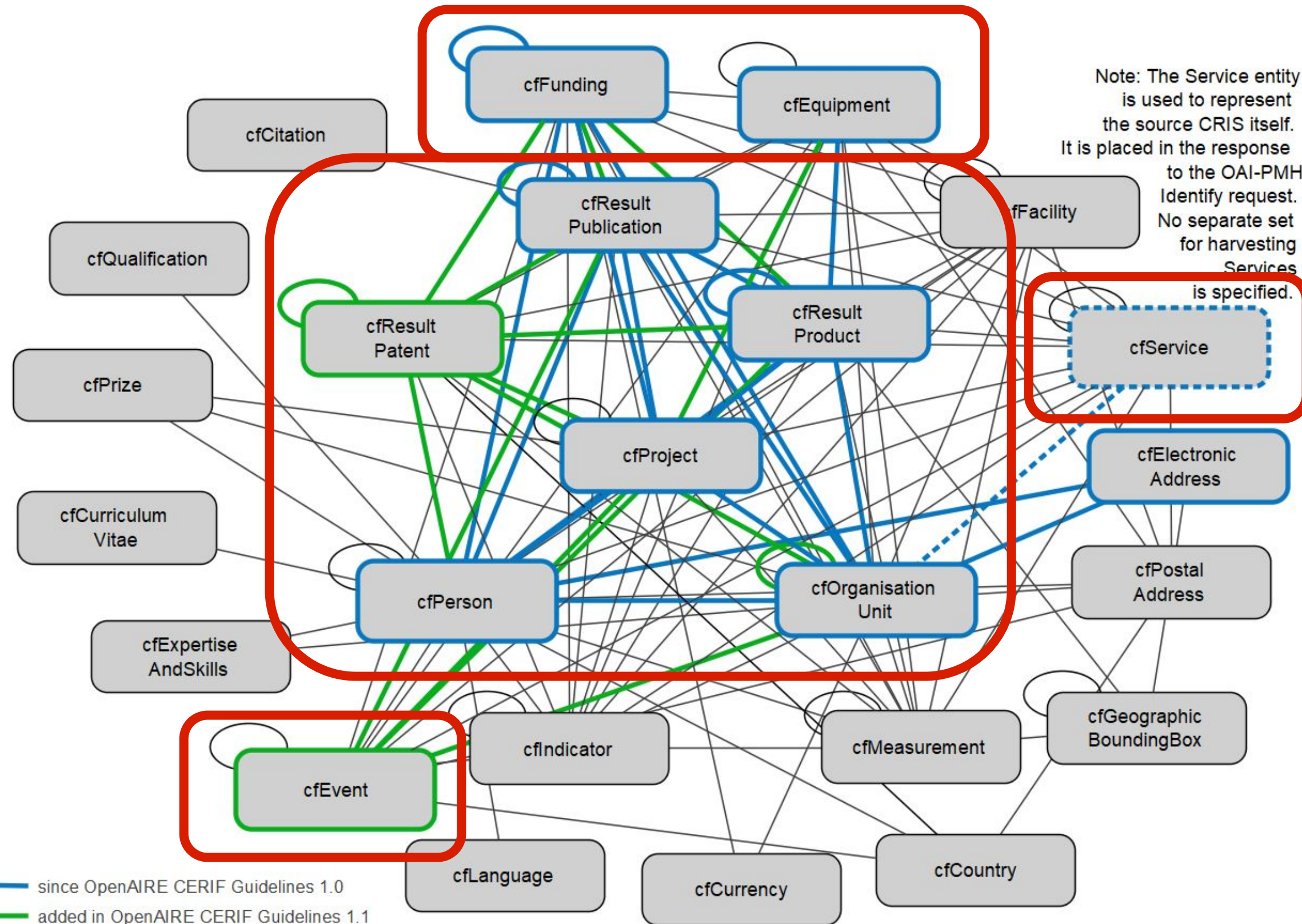
... and more



... and more

Guidelines for CRIS Managers

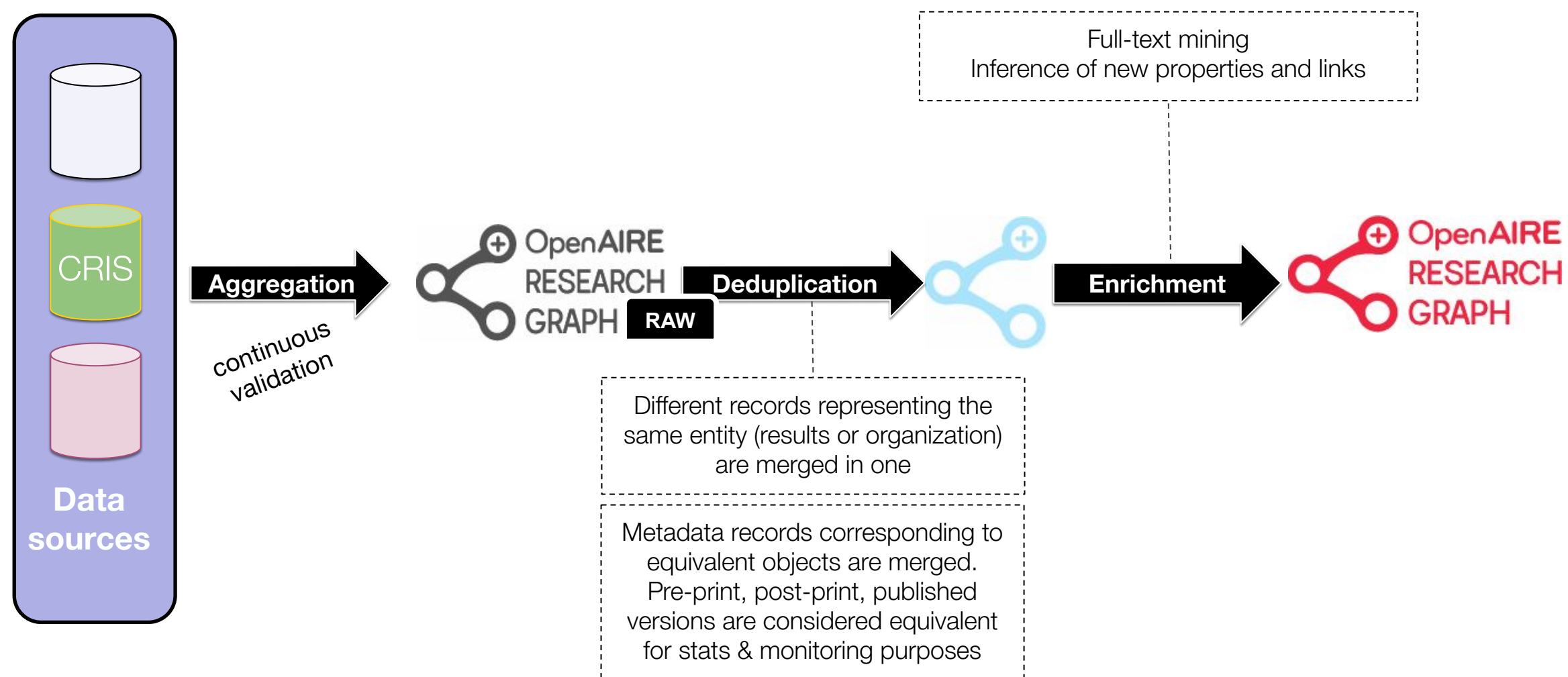
Common European Research Information System - Model



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](#))

OpenAIRE Research Graph - the supply chain



DRIS

**:: the directory of ::
:: Research Information Systems ::**

euroCRIS DRIS simplifies CRIS registration



Discover

Country

India	518
Norway	132
United Kingdom	81
Italy	76
United States	47
Poland	42
Spain	42
Germany	39
Turkey	37
Netherlands	18
next >	

Software

IRINS	517
Pure	177
CRIStin	131
In-house-built	77
IRIS	70
Symplectic Elements	45
Omega-PSIR	40
DSpace-CRIS	33
Avesis	32
Converis	19
next >	

Status

Operational	1186
Under Construction ...	25
Closed ...	2
In Preparation ...	1

euroCRIS DRIS - the map



Some DRIS entries already show OpenAIRE registration

DRIS record METIS Research Information System

[View Statistics](#)[Email Alert](#)[RSS Feed](#)[Information](#)

DRIS Details

Name of the CRIS METIS Research Information System **Acronym** METIS Radboud

Description 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.

Status Operational

Scope Institutional

Date of establishment 01-04-1993

URI <https://www.ru.nl/research-information-services/manuals/ris-explained/>

Number of users 750

Institution/organization Radboud University Nijmegen

Department Central Management

Contact person Simons, Eduard

CRIS data supply Faculties

CRIS data validation Central Administration

CRIS data output Central Management

Country Netherlands

Coverage Dataset

Software Metis

OpenAIRE

join euroCRIS :: DRIS



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

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

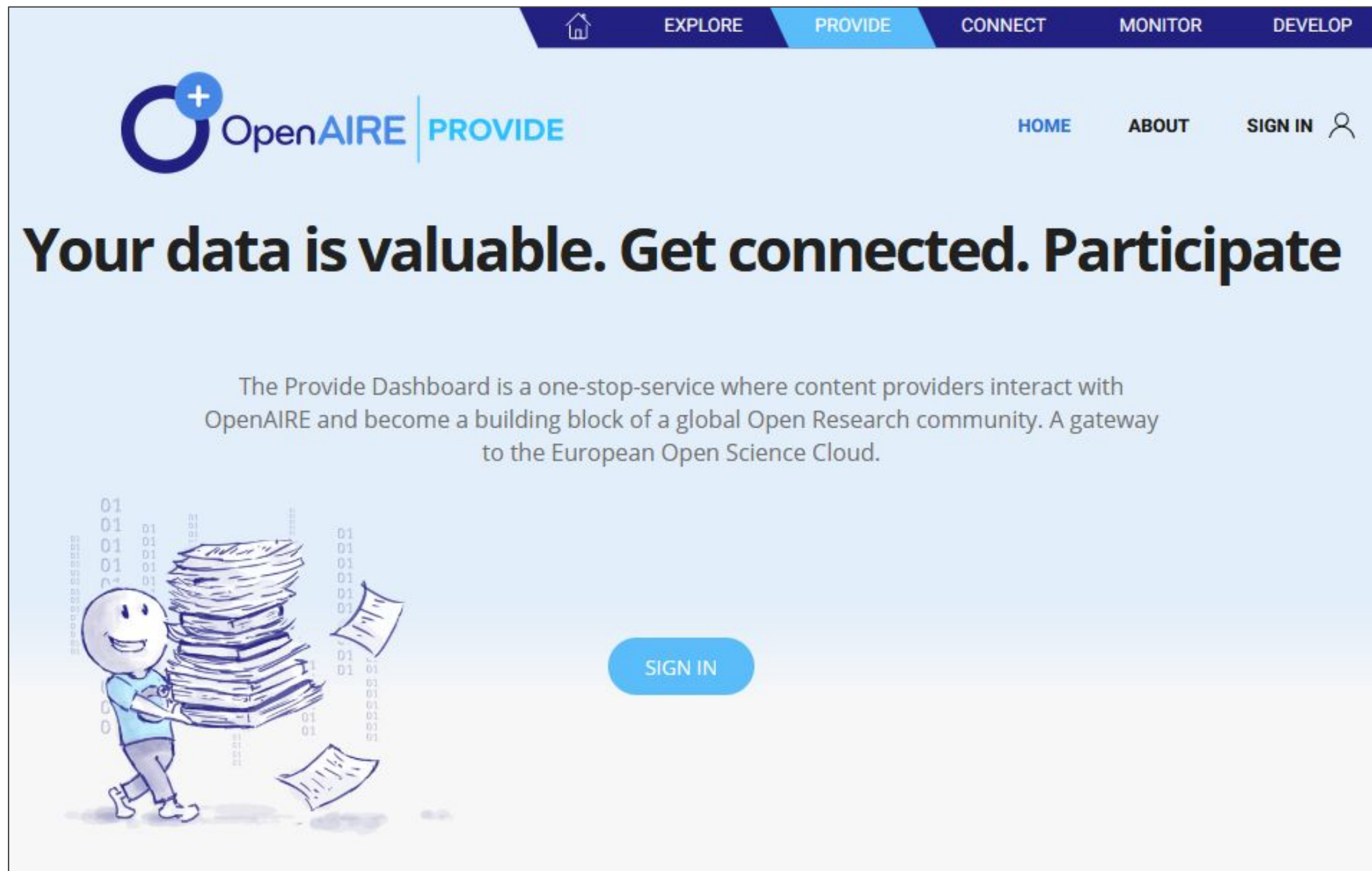
- CRIS type (institutional, regional, national, funder, aggregation, etc)
- Organisation hosting the CRIS
- CRIS name
- Software solution
- Status (operational, under construction)
- URL for publicly available portal

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



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

<https://provide.openaire.eu>





R Register

V Validator

N Notifications

REPOSITORIES

Register your datasource



Literature repository



Data repository



Aggregator



CRIS systems

Open

R

Register

V

Validate

N

Notification

REPOSITORIES

Register your datasource

1 Select Datasource

2 Register data source

3

Please make sure your Research Information System is registered in [euroCRIS](#)
[euroCRIS DRIS](#).
Last Updated: 2022-09-05

Select country
Netherlands

euroCRIS - Research Information Systems in Netherlands

Name of repository

☐ Amsterdam UMC (VU Amsterdam) – Research Portal

☐ BUas Research Portal

☐ Delft Research Portal

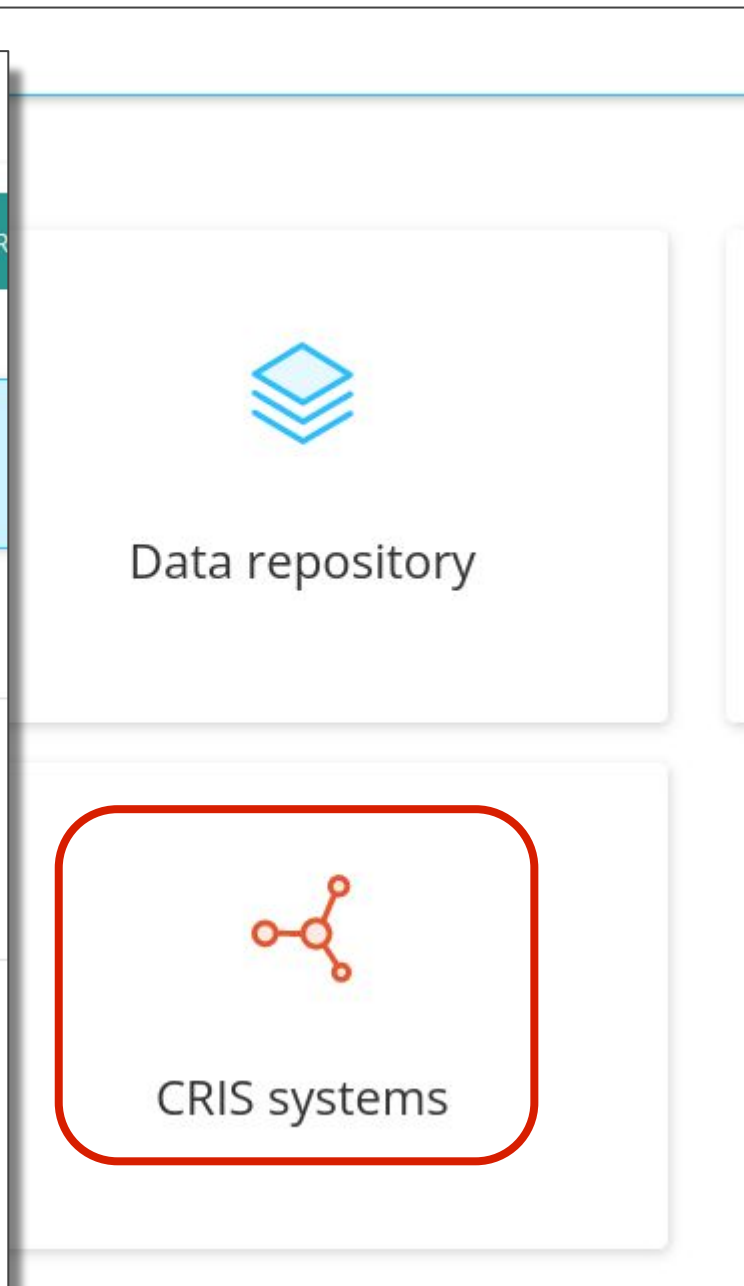
☐ Hanze University of Applied Sciences Research Information Portal

☐ LUCRIS

☐ METIS EUR

☐ NWO Research Projects

< PREVIOUS



Open

R

Register

V

Validate

N

Notification

REPOSITORIES

Register your datasource

1 Select Datasource

Please make sure your repository is listed in the [euroCRIS DRIS](#).
Last Updated: 2022-09-01

Select country

Netherlands

euroCRIS - Research Data Infrastructure

Name of repository

☐ Amsterdam UMC (VU Amsterdam)

☐ BUas Research Portal

☐ Delft Research Portal

☐ Hanze University of Applied Sciences

☐ LUCRIS

☐ METIS EUR

☐ NWO Research Project

< PREVIOUS

Register your datasource

1 Select Datasource

2 Register data source

3 Register repository

Basic information

Software Platform (*)

[Other] (enter name below)

METIS

Official Name (*)

METIS EUR

Description (*)

Country (*)

Netherlands

Longitude

0

< PREVIOUS



+

Open

R

Register

V

Validate

N

Notification

REPOSITORIES

Register your data source

1

Select Datasource

Please make sure your repository is listed in the [euroCRIS DRIS](#).
Last Updated: 2022-09-01

Select country

Netherlands

euroCRIS - Research Data Repository

Name of repository

☐ Amsterdam UMC (VU Amsterdam)

☐ BUas Research Portal

☐ Delft Research Portal

☐ Hanze University of Applied Sciences

☐ LUCRIS

☐ METIS EUR

☐ NWO Research Project

<

PREVIOUS

Register your data source

1

Select Datasource

Basic information

Software Platform (*)

[Other] (enter name)

METIS

Official Name (*)

METIS EUR

Description (*)

Country (*)

Netherlands

Longitude

0

<

PREVIOUS

Register your data source

1

Select Datasource

2

Register data source

3

Register interface

The harvesting settings are valid!

Base OAI-PMH URL (*)

https://oai.foo.bar/

Validation Set

☒ Choose existing

-- none selected --

☐ or a custom one

Desired Compatibility Level (*)

-- none selected --

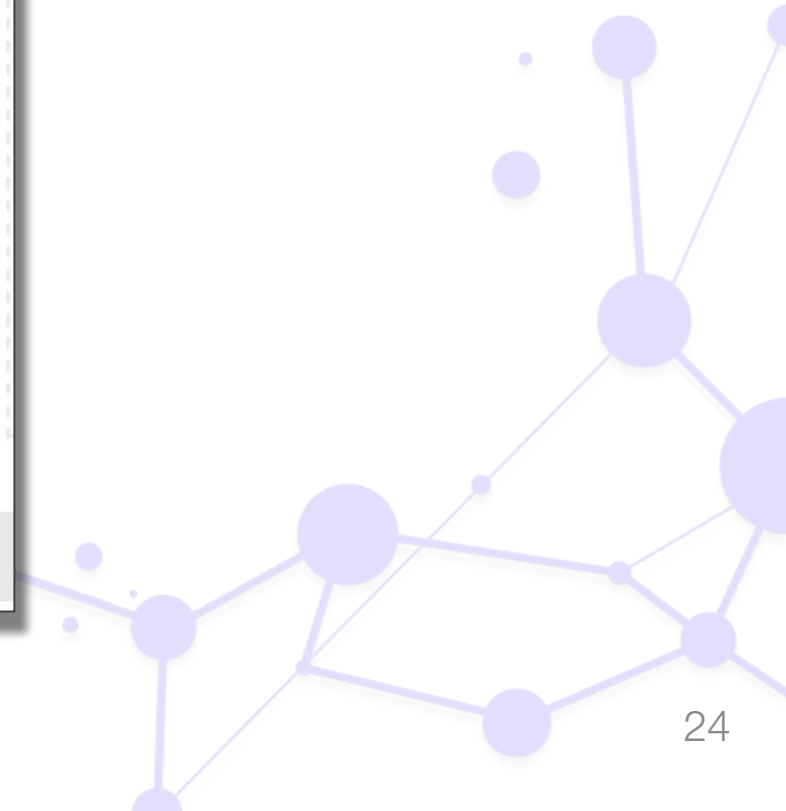
Current Compatibility Level

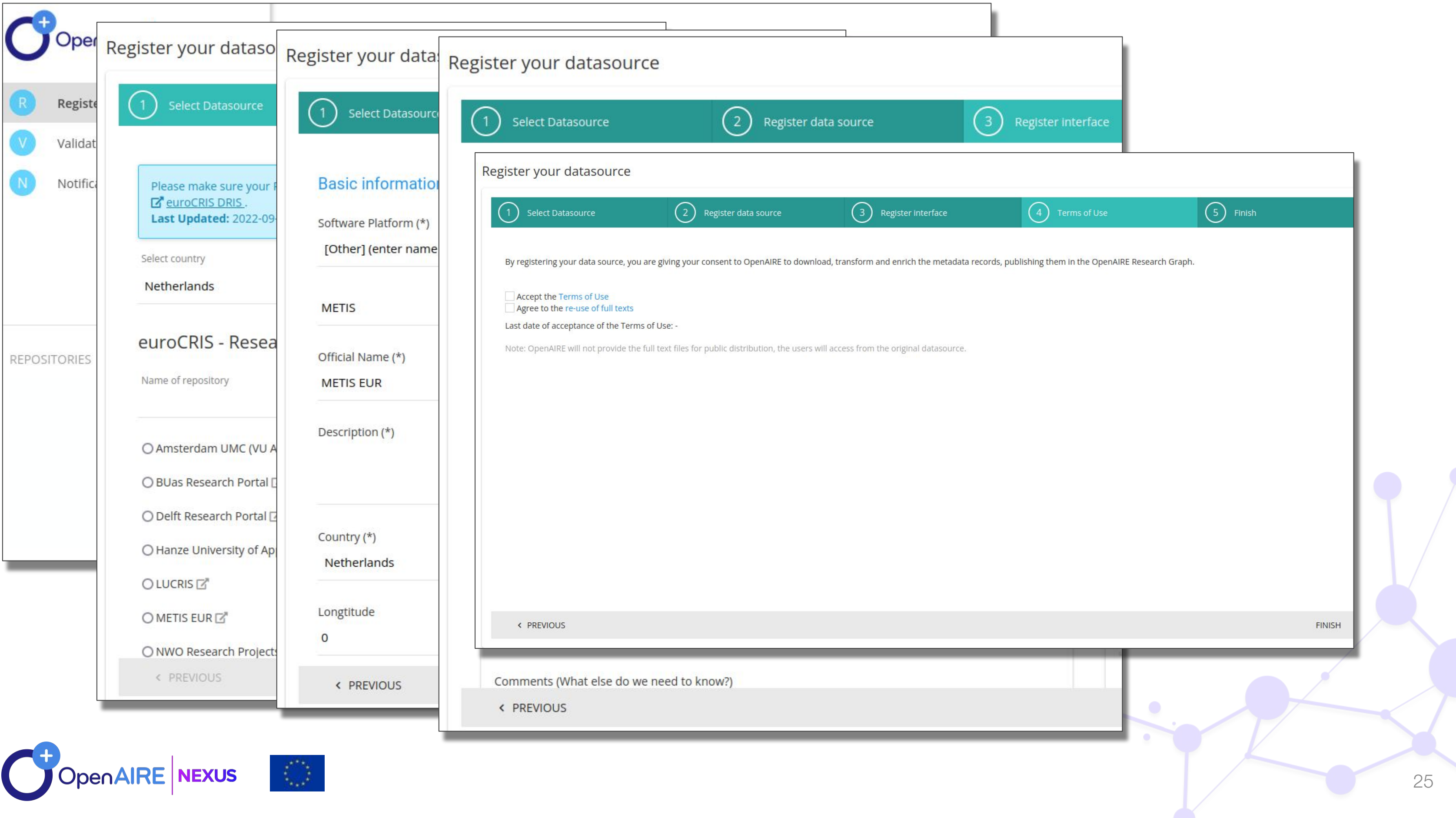
UNKNOWN

Comments (What else do we need to know?)

<

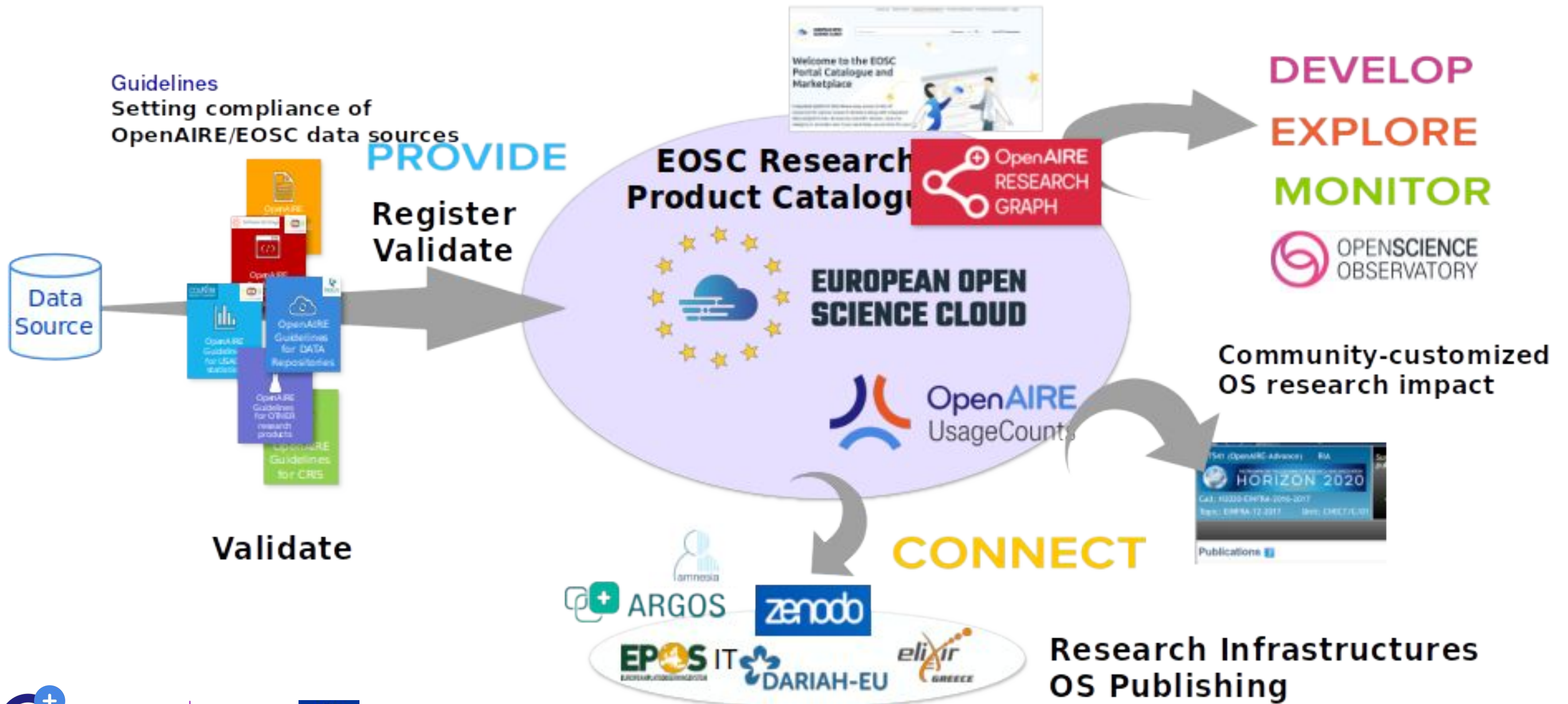
PREVIOUS





first applications

OpenAIRE and the EOSC Core



CRIS systems yet harvested by OpenAIRE



Advanced search

Type
All Content

Scholarly works
Search for Research products, Pr...

RESEARCH PRODUCTS (72,080,807) PROJECTS (2,927,586) **SERVICES (16)** ORGANIZATIONS (179,140)

Include: ☐ Data sources ☐ Other Services

Filters [Clear All](#)

Type (3)

- ☐ CRIS System (14)
- ☐ Repository (1)
- ☐ aggregator::crissystem (1)

Language (2)

- ☐ en (1)
- ☐ nl (1)

Compatibility Level (1) [Clear](#)

- ☒ OpenAIRE CRIS v1.1 (16)

Country (12)

- ☐ NL (3)
- ☐ DE (2)
- ☐ FI (2)
- ☐ AR (1)
- ☐ DK (1)
- ☐ ES (1)

[View all >](#)

16 Services, Page 1 of 1

Results per page
20

Institutional CRIS
Sistema d'Informació de la Recerca i la Innovació URV

OPENAIRE CRIS V1.1

Country: Spain
Partners: URV
Website URL: <https://iris.urv.cat/>
Research and Innovation Information System for the URV

Institutional CRIS
IZTECH GCRIS

Collected from (2)



CRIS systems yet harvested by OpenAIRE

The image displays two screenshots of the European Open Science Cloud (EOSC) interface, illustrating search results for CRIS systems harvested by OpenAIRE.

Left Screenshot (16 Services):

- Header:** EUROPEAN OPEN SCIENCE CLOUD, Advanced search, Type: All Content, Scholarly works.
- Filters:**
 - Type (3):** CRIS System (14), Repository (1), aggregator::crissystem (1).
 - Language (2):** en (1), nl (1).
 - Compatibility Level (1):** OpenAIRE CRIS v1.1 (16).
 - Country (12):** NL (3), DE (2), FI (2), AR (1), DK (1), ES (1).
- Results:** 16 Services, Page 1 of 1. Includes a list of services with details like "Institutional CRIS", "Sistema d'Informació de la", "Country: Spain", "Partners: URV", and "Website URL: https://iris.urv.cat/".

Right Screenshot (1 Service):

- Header:** EUROPEAN OPEN SCIENCE CLOUD, Advanced search, Type: All Content, Scholarly works, IS Research Information System.
- Filters:**
 - Type (1):** CRIS System (1).
 - Compatibility Level (1):** OpenAIRE CRIS v1.1 (1).
 - Country (1):** NL (1).
 - Thematic (1):** No (1).
- Results:** 1 Services, Page 1 of 1. Includes a list of services with details like "Institutional CRIS", "METIS Research Information System", "Country: Netherlands", "Partners: Radboud University Nijmegen", "Website URL: https://www.ru.nl/research-information-services/manuals/ris-explained", and "OAI-PMH URL: https://oamemftp.ucl.ru.nl/metis-oaipmh-endpoint/OAIHandler".

Footer: Powered by OpenAIRE Research Graph, Last update of records in OpenAIRE: Sep 19, 2022.

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-YEgatt76IMe-MBbt28g-1_N7j_GZyoPc/edit#gid=1470707378

Software	
IRINS	517
Pure	177

Software	
CRIStin	
In-house-built	
IRIS	
Symplectic Elements	
Omega-PSIR	
DSpace-CRIS	
Avesis	
Converis	

Dialnet CRIS	15
VIVO	15
Worktribe	8
CSpace	5
SoleCRIS	5
Esploro	4
SIGMA Research	4
COBISS	3
HiSinOne-RES	3
iMarina	3

Community Calls



Upcoming calls & Agendas

December 7th, 2022

Main topic:

- to be confirmed

Time: 2:30 PM - 3:30 PM CET

Call link: [Zoom](#)



Notes & Recordings

November 9th, 2022

October 5th, 2022

Main topic:

- CRIS systems registration in OpenAIRE and most recent developments

Results:

- [Notes](#)
- [Slides](#)
- [Recording](#)

June 8th, 2022

May 5th, 2022

April 6th, 2022

March 2nd, 2022

www.openaire.eu/provide-community-calls

<https://www.openaire.eu/newsletters>

#OpenAIRE_CommunityCalls
#ProvideCommunity



@openaire_eu
#OpenAIRE-Nexus



Questions?

THANK YOU

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andreas.czerniak@uni-bielefeld.de

<https://orcid.org/0000-0003-3883-4169>

