



Progress in the implementation of OpenAIRE CERIF-XML Guidelines

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OpenAIRE

ADVANCE

euroCRIS series of webinars | 23.-27. November 2020



Agenda

Evolution of OpenAIRE guidelines

Interoperability

Making Research Information visible to the European
Commission and European Open Science Cloud



Evolution of OpenAIRE Guidelines

Guidelines for Science Content Providers

RESEARCH LITERATURE

Thematic Repositories
Institutional Repositories
E-journals

RESEARCH SOFTWARE

Software Repositories
Catch-all Repositories



RESEARCH DATA

Data Repositories
Catch-all Repositories
Institutional & thematic repositories

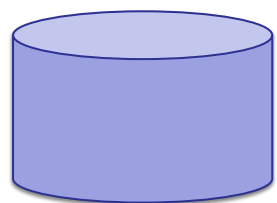
OTHER RESEARCH PRODUCTS

Catch-all Repositories

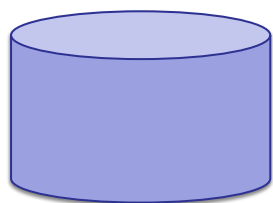
RESEARCH INFORMATION

Project, Funder, Organisation Units,... (CRIS)

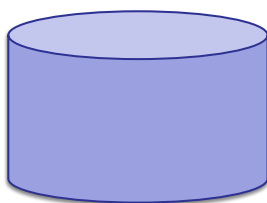
Landscape of Repositories types



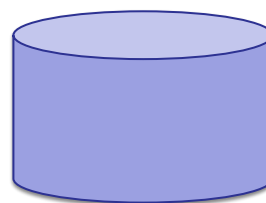
Institutional/
publication
repositories



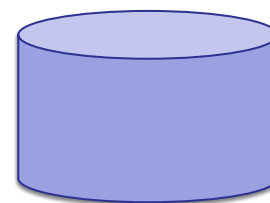
Journals/
publishers



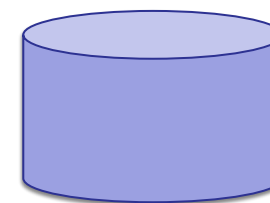
Data
repositories



Software
repositories

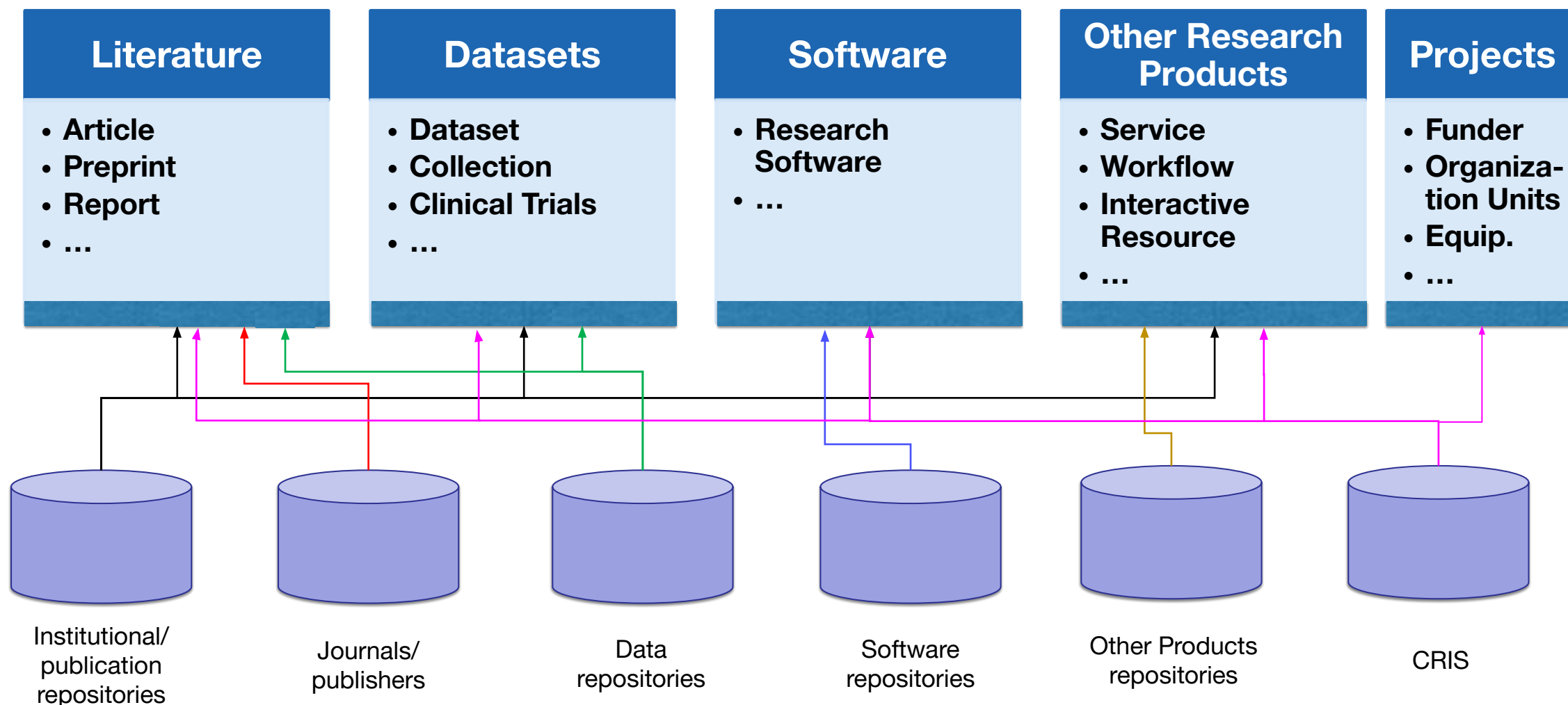


Other Products
repositories

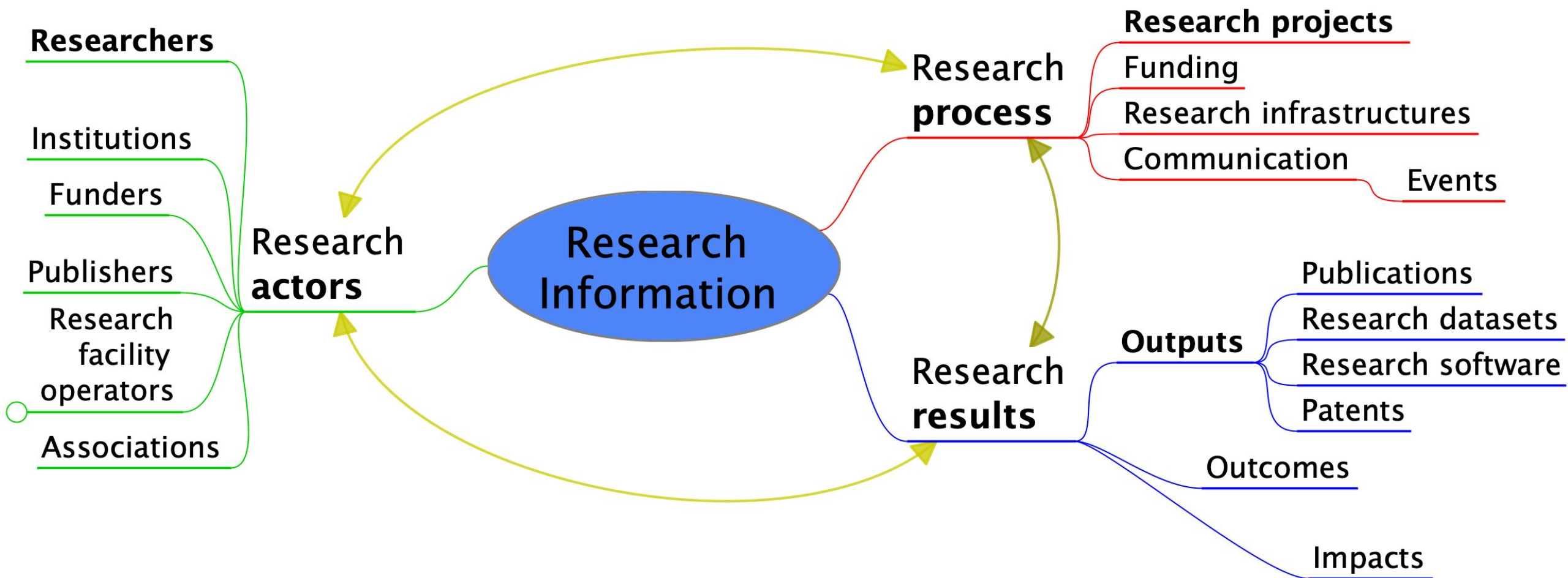


CRIS

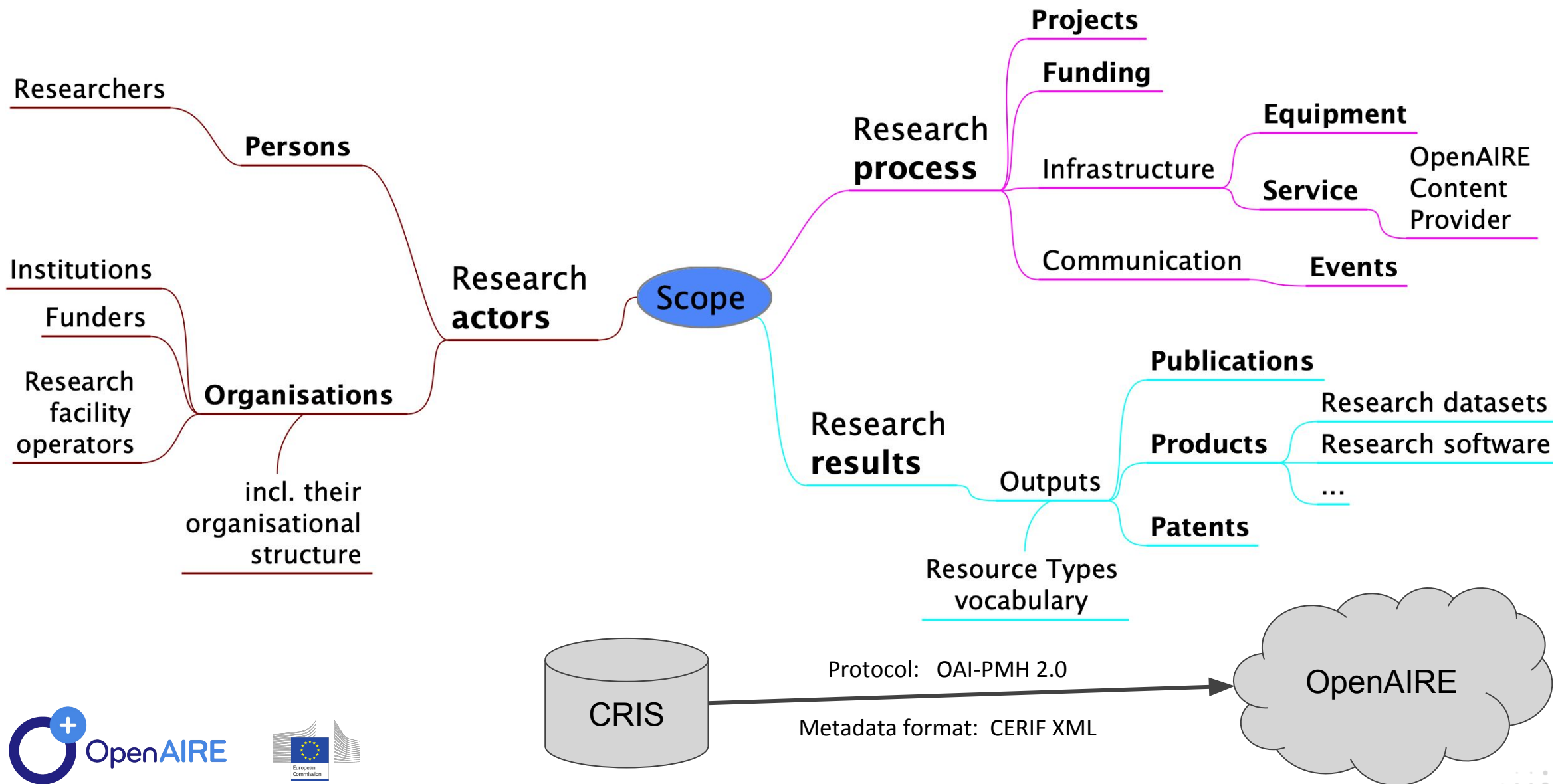
Repository types and research output



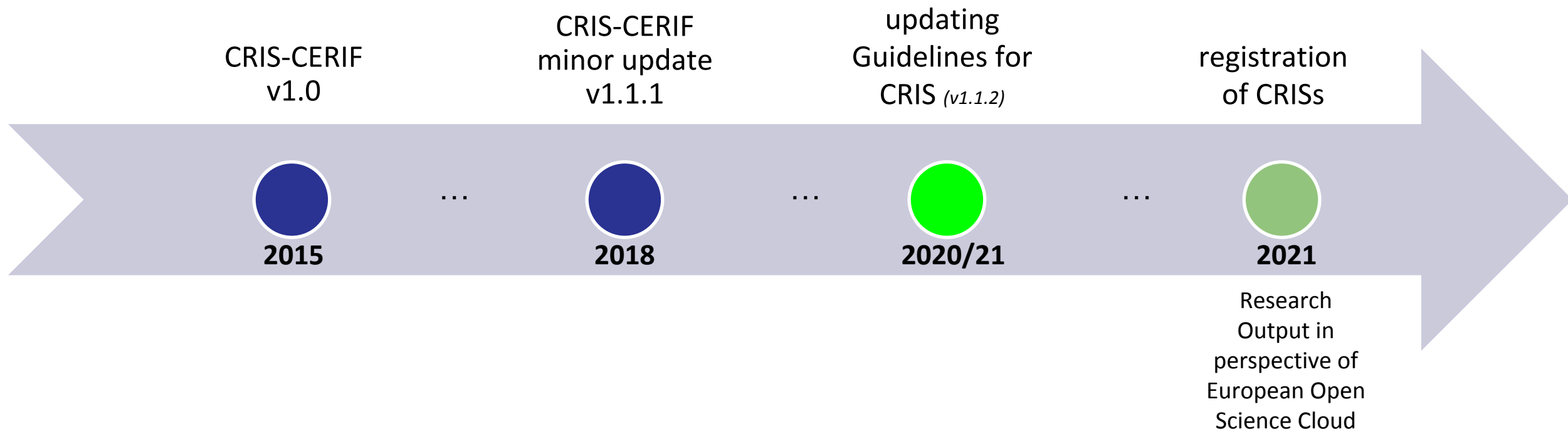
Research Information



The OpenAIRE Guidelines for CRIS Managers



Evolution of the OpenAIRE CRIS Guidelines - and further perspective



OpenAIRE Guidelines Objectives

- to improve interoperability of metadata information exchange
- to support FAIR Data Principles
- by defining application profiles to describe different kinds of research products
- by (re-)using existing standards (CERIF, Dublin Core, DataCite)
- by re-using vocabularies and extending them when necessary



Interoperability with OpenAIRE

Three CRIS platforms with built-in support

DSpace-CRIS

- OpenSource CRIS implementation
- based on DSpace
- extended entitites
- since v5.10, v6.3

4Science

Pure

- a successful commercial CRIS product
- since v4.14

Elsevier

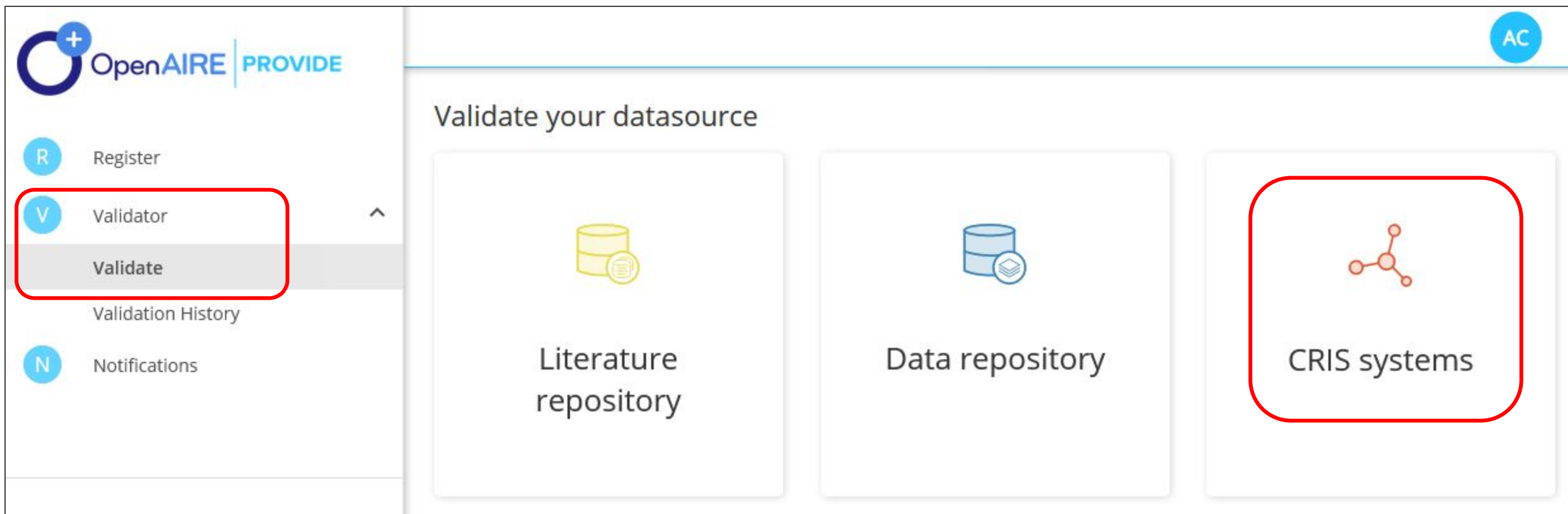
Omega-PSIR

- Polish institutions

Warsaw University of Technology

- in-house built institutional CRISs
- national aggregators
 - NARCIS from DANS/NL
 - VIRTA from CSC/FI
- others to follow

Validation @ PROVIDE dashboard



The screenshot displays the OpenAIRE PROVIDE dashboard. On the left, a sidebar contains navigation links: 'Register' (R), 'Validator' (V), 'Validate', 'Validation History', and 'Notifications' (N). The 'Validator' link is highlighted with a red box, and the 'Validate' link is also highlighted with a red box. The main content area is titled 'Validate your datasource' and features three cards: 'Literature repository' (yellow icon), 'Data repository' (blue icon), and 'CRIS systems' (red icon). The 'CRIS systems' card is highlighted with a red box. In the top right corner of the dashboard, there is a blue circular button labeled 'AC'.

Registration @ PROVIDE dashboard

The screenshot displays the OpenAIRE PROVIDE dashboard. On the left, a sidebar contains navigation links: 'Register' (highlighted with a red box), 'Validator', 'Validate', 'Validation History', 'Notifications', and a 'REPOSITORIES' section with a 'Test' link. The main area is titled 'Register your datasource' and features five options: 'Literature repository', 'Data repository', 'Journal', 'Aggregator', and 'CRIS systems' (highlighted with a red box). Each option is represented by an icon and a text label. The 'CRIS systems' option is highlighted with a red box.

OpenAIRE PROVIDE

Register your datasource

Literature repository

Data repository

Journal

Aggregator

CRIS systems

REPOSITORIES

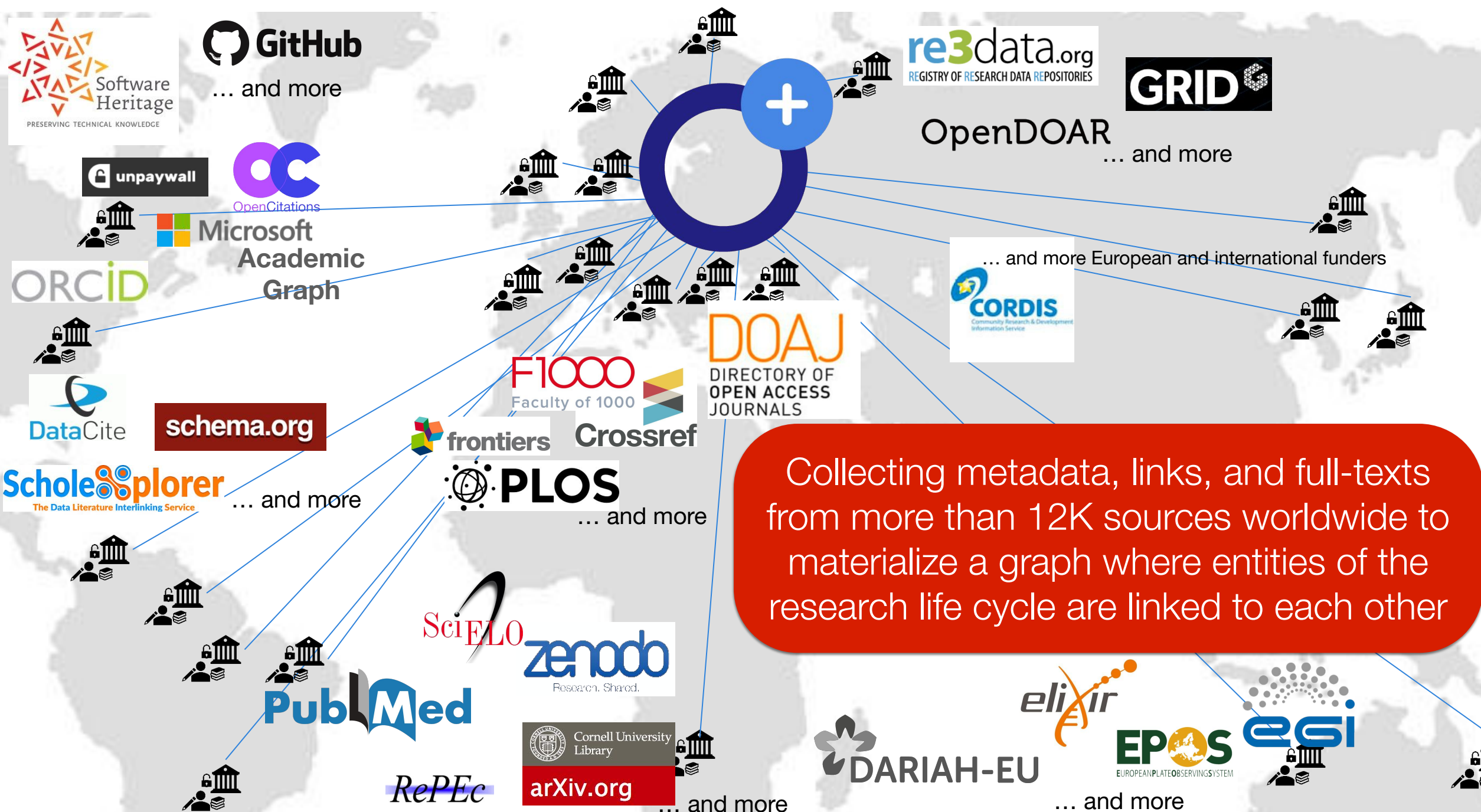
Test

DRIS:

The Directory of Research Information Systems

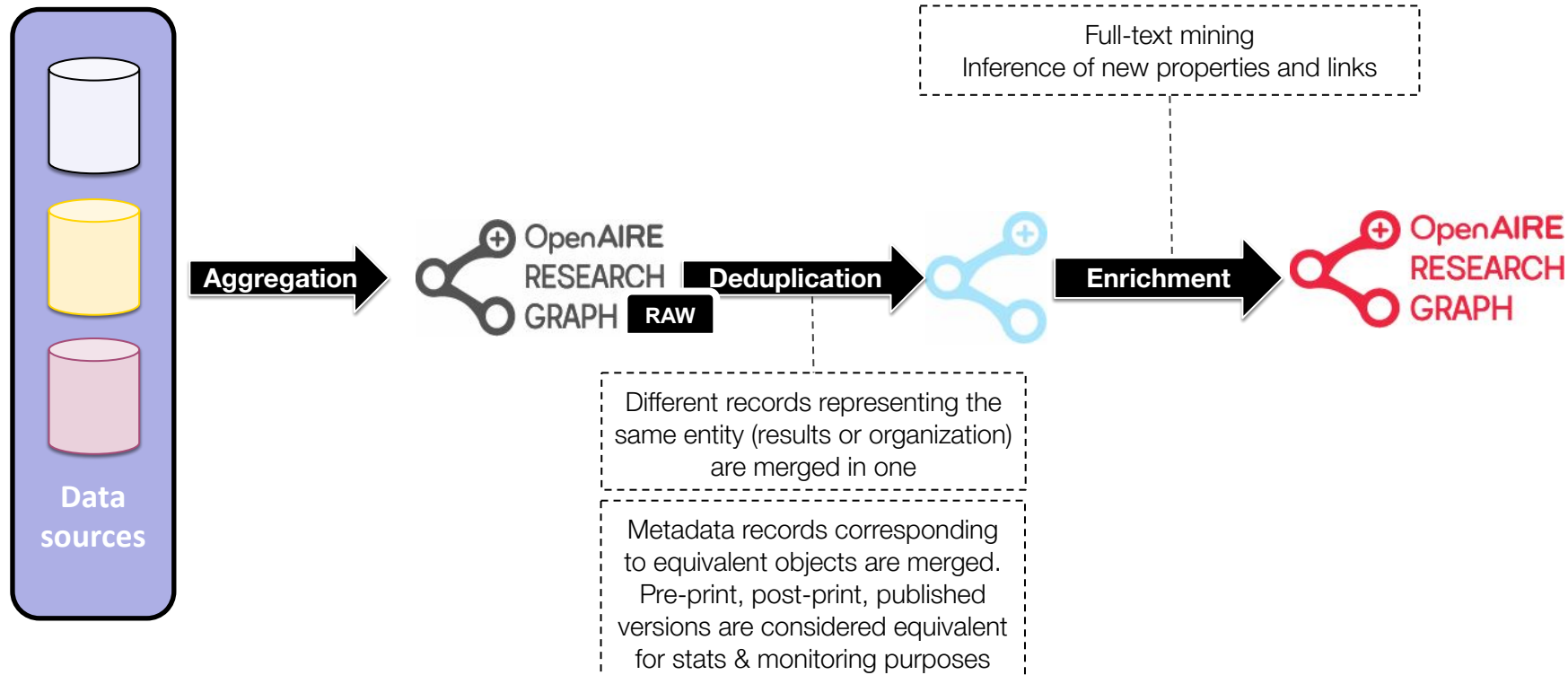


750+ systems registered



OpenAIRE Research Graph

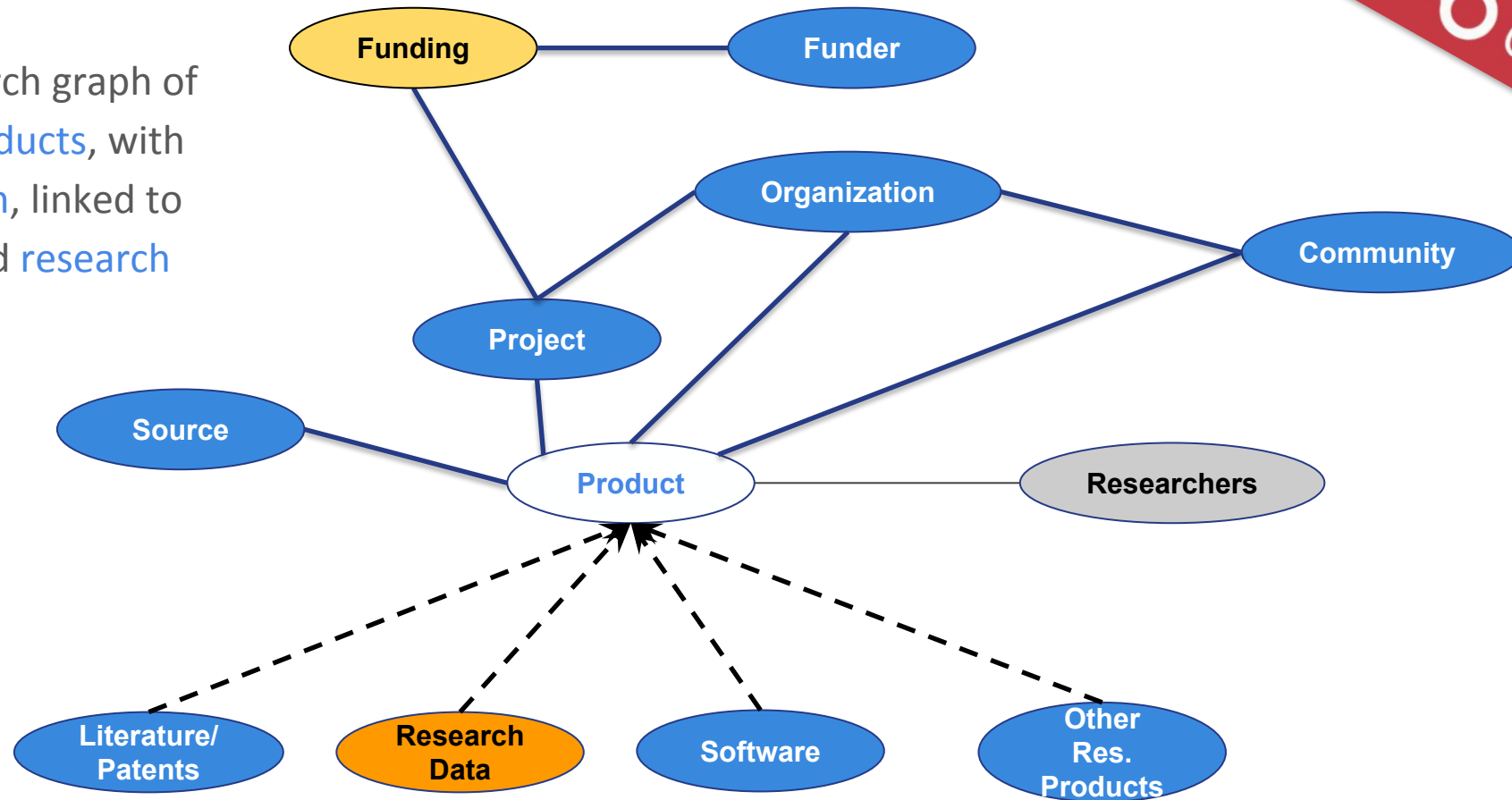
the supply chain



OpenAIRE Research Graph

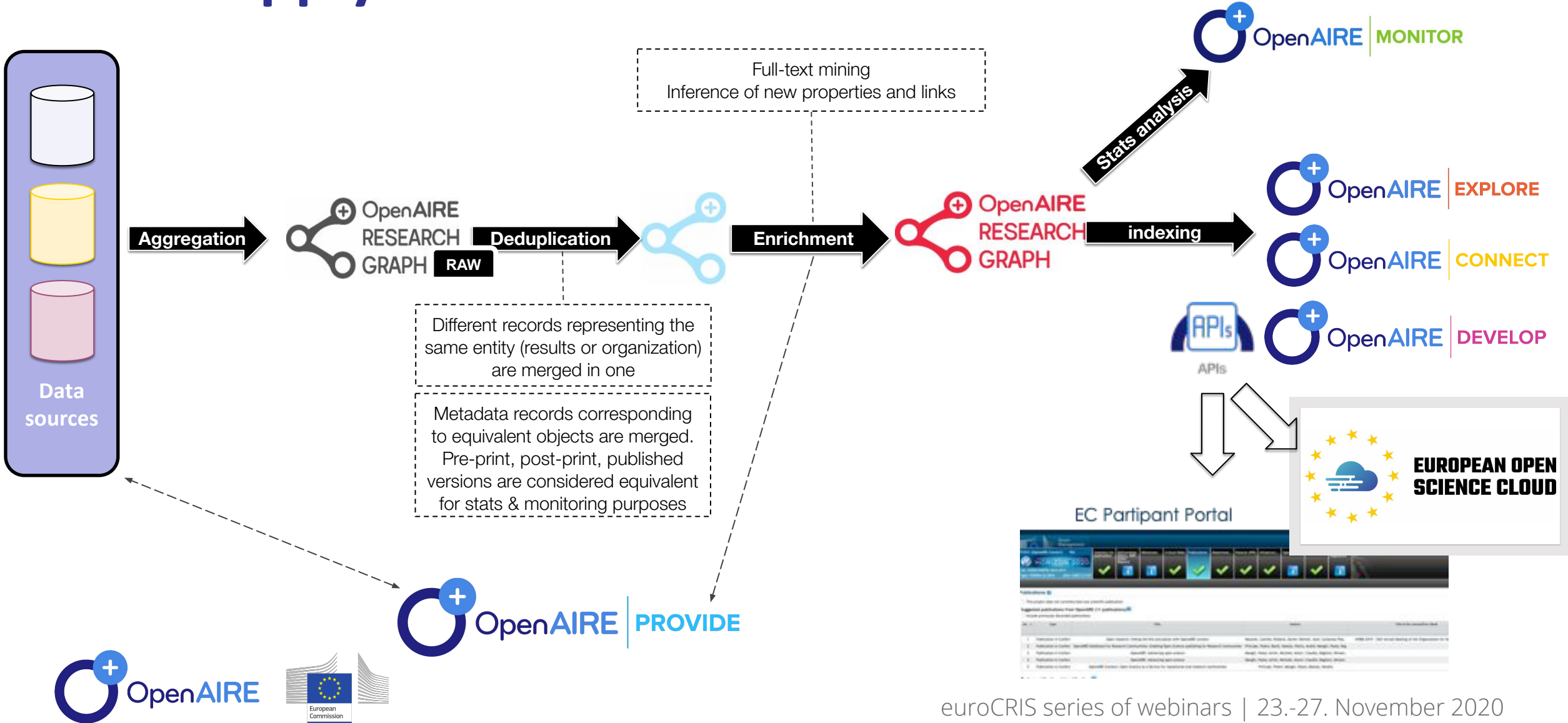


An **open metadata** research graph of interlinked **scientific products**, with **access rights information**, linked to **funding information** and **research communities**



OpenAIRE Research Graph

the supply chain



community participation

- ❖ for the Current Research Information Systems [CRIS] Guidelines
<https://docs.google.com/document/d/1BkkO3ysr5Pmsqt7kZ118ZxBv1wE9Md3TYvp9vtUUV-c/edit> ; <https://github.com/openaire/guidelines-cris-managers>
- ❖ Overview of repository platform applications & versions compliant with which version of Guidelines:
https://docs.google.com/spreadsheets/d/1_TQzbMf1jz-YEgatt76IMe-MBbt28g-1_N7j_GZyoPc/edit#gid=0
- ❖ OpenAIRE community calls: <https://www.openaire.eu/provide-community-calls>

Thank you!

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Aenne Löhden, Amelie Bäcker, Jochen Schirrwagen,
Alessia Bardi, Claudio Atzori, Paolo Manghi



Evolution of the OpenAIRE-Guidelines - and further perspective

