What if...
Research information systems could truly interoperate?

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CLACSO Conference
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Research information space
Research information space
Research information systems

• Correct, actual, complete research information
• Connect data silo’s
• Maximum reuse of data
• Reduce system costs

• Reduce administrative burden
• Once-only principle
• Policy monitoring & reporting
• Increase strategic intelligence
• More information services

• Researchers, Institutions, Governments, Funders, Industry, Public
Alignment of CRIS systems

But what if one researcher has multiple affiliations…

... what about the only-once principle, efficiency, …

... what about research evaluations …
**CERIF** (https://www.eurocris.org/services/main-features-cerif)

**Specification** (conceptual level), **Model** (logical level), **Database scripts** (physical level)
Semantic interoperability

CERIF 1.6

Governance structure
Business layer: Recording of business concepts & meanings by terminological theory
Inter-organizational semantic alignment

- Definition of required business concepts on the meta-level
- Collaborative, machine-readable manner
- Full-cycle business semantics management
### Definition

A book is a set of written, printed, illustrated, or blank sheets, made of ink, paper, parchment, or other materials, usually fastened together to hinge at one

### Descriptive Example

No value has been given yet. Double click or use the edit button.

### identified by

<table>
<thead>
<tr>
<th>Name</th>
<th>Definition</th>
<th>Description</th>
<th>Domain</th>
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<td>The DOI Handbook: <a href="http://www.d">http://www.d</a></td>
<td>Identifier Glossary</td>
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<tr>
<td>ISBN</td>
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<td>An ISBN is essentially a product...</td>
<td>Identifier Glossary</td>
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<td>UHasselt handle, neermt de volg...</td>
<td>UH Identifier</td>
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<tr>
<td>VABB Identifier</td>
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<td>Identifier Glossary</td>
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<td>The Identifier of Research Outp...</td>
<td>Synonyms found: ISI, ISI Identifi...</td>
<td>Identifier Glossary</td>
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</table>

### has property

<table>
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<th>Definition</th>
<th>Description</th>
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<tbody>
<tr>
<td>Abstract</td>
<td>a short resume</td>
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<td>Book Edition</td>
<td>a particular version of a book</td>
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<td>Research Output Glossary</td>
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<td>An International Standard Serial...</td>
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<td>Keywords</td>
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<td>Language</td>
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<td>FRIS Glossary</td>
</tr>
<tr>
<td>Page Count</td>
<td>The total number of pages of a ...</td>
<td></td>
<td>Research Output Glossary</td>
</tr>
</tbody>
</table>
Alignment of CRIS systems

But what if one researcher has multiple affiliations…

... Information should be entered only-once which is efficient …

... and research evaluations are based on complete, correct info …
Regional alignment of CRIS systems

• Case: Flemish Research Information Space (FRIS)

Source: researchportal.be/en
Example - data providers landscape

- Universities (5)
- University Colleges (13)
- Strategic Research centres (4)
- Research Institutes (20)
- Funders (2)
- ECOOM
R&D evaluation on a regional scale

- Expertise analysis
- Answering parliamentary questions
- Statistical analysis (projects, disciplines, publications, financial means, …)
- Financial reporting on Funding (Flemish Government)
- Monitoring of KPIs on Open Science
- Reporting on indicators in R&D monitoring
- Monitoring of interdisciplinarity
- …
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euroCRIS community (eurocris.org)

Promote cooperation within and share knowledge among the research information community and interoperability of research information through CERIF, the Common European Research Information Format.
Projects (https://www.eurocris.org/ongoing-projects)

- Ongoing projects:
  - CERIF refactoring project
    - Refactor the CERIF structure in terms of
      - Modularity
      - Extensibility
    - In line with current research practices

- Finished projects:
  - DRIS+, METIS2OpenAire, Pasteur4OA, VRE4EIC, Jisc Research Data Shared Service, ENGAGE, HOLACLOUD
DRIS (https://www.eurocris.org/services/dris)

- Directory of Research Information Systems (DRIS)
  - (Minimally sufficient) information on > 850 systems worldwide
    - https://eurocris.org/dris/dris-form
DRIS (eurocris@eurocris.org RDM+ badge)

<table>
<thead>
<tr>
<th>DRIS Details</th>
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</table>
| **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 CRISs in Europe. |
| **Status** | Operational |
| **Scope** | Institutional |
| **Date of establishment** | 01-04-1993 |
| **URI** | https://www.ru.nl/research-information-services/manuals/rs-explained/ |
| **Number of users** | 750 |
| **Institution/organization** | Radboud University Nijmegen |
| **Department** | Central Management |
| **Contact person** | Simons, Eduard |
| **CRIS data supply** | Faculties |
| **CRIS data output** | Central Management |
| **Country** | Netherlands |
| **Coverage** | Dataset |
| **Software** | Motis |
Repository (https://dspacecris.eurocris.org/)
Upcoming events

• Series of euroCRIS webinars

• Series of monthly webinars:
  • July 6th, 2021 webinar on the CERIF Refactoring Project by Jan Dvořák and Dragan Ivanović
  • A new monthly euroCRIS webinar on Tue Jul 6th will address the ongoing CERIF Refactoring pilot project led by Jan Dvořák and Dragan Ivanović from the euroCRIS CERIF Task Group. This internal euroCRIS project started at the beginning of 2021 with the aim to upgrade the modeling paradigm of CERIF, the Common European Research Information Format, which lies at the core of many Current Research Information Systems. The current monolithic model will be divided into modules for easier adaptation and a more agile development process.
  • The webinar will be delivered by project leads Jan Dvořák (Czech Technical University in Prague) and Dragan Ivanović (University of Novi Sad, Serbia). The session will be chaired by euroCRIS Board member Anna Guillaumet, who also sits in the euroCRIS Technical Committee for Interoperability and Standards (TCIS), the internal committee that oversees the project.

• Conferences:
  • Dubrovnik, Croatia, May 12-14, 2022
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