ECOOM: a strategic partner for the Flanders Research Information Space (FRIS)
ECOOM

- Expertise Centre for Research and Development Monitoring in Flanders
- Interuniversity consortium with participation of all universities in Flanders (KU Leuven, UGent, VUB, UAntwerpen and UHasselt), funded by the Flemish Government (dept. EWI)

- Mission:
  - Development of a consistent system of R&D and Innovation (RD&I) indicators for the Flemish government
  - This indicator system has to assist the Flemish government in mapping and monitoring the RD&I efforts in the Flemish region.
Research & expertise domains

- Bibliometrics
- Technometrics
- Innovation studies
- Economic studies
- Researcher’s careers
- Non-written research output indicators (e.g. output in the arts)
- Evaluation of societal impact of research
- Semantics and modelling of research information
- Governance of research classifications
ECOOM

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→ ECOOM-Hasselt
Flanders Research Information Space (FRIS)

https://researchportal.be

Information on:
- Researchers
- Organisation
- Projects
- Publications
- Patents
- Infrastructure
- Datasets

Information from:
- Universities
- University colleges
- Strategic research centers
- Research institutions
- Funding agencies

New at FRIS: patents, infrastructure and datasets.

As you can see above, the FRIS Research portal has been expanded with additional information about patents, infrastructure and datasets. Beside information about almost 1800 patents, you can also find limited information about infrastructure and datasets. The amount of information will of course grow systematically in the future, so that this will offer you more complete views of the...
Flanders Research Information Space (FRIS)

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FRIS characteristics:

• Flexible & futureproof
• In line with international evolutions & requirements
• Central hub for use and reuse of metadata on publicly funded research

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What?
ECOOM as strategic partner for FRIS

- Modelling research information
- Semantic governance
- Creating and governing research classifications
- Facilitator between stakeholders
Modelling research information

- Semantically harmonised information models
Example: Metadatamodel for research infrastructure

Characteristics

- 25 metadata fields
- Specification who has to provide which information: e.g. institution/consortium coordinator vs. consortium partner
- Mandatory, Mandatory if applicable, Optional
- Definitions
- Practical examples
- Extra information or value specification

<table>
<thead>
<tr>
<th>Metadata field</th>
<th>Institution/consortium coordinator</th>
<th>Consortium partner</th>
<th>Definition</th>
<th>Practical example</th>
<th>Extra Info/values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identifier</td>
<td>M</td>
<td>M</td>
<td>Unique identification number assigned to the infrastructure by the data provider when it is delivered to FRIS.</td>
<td>Institution-specific identifier</td>
<td>Persistent identifier</td>
</tr>
<tr>
<td>Name</td>
<td>M</td>
<td>M</td>
<td>Technical name of the infrastructure.</td>
<td></td>
<td>Name is always provided in 2 languages (English/Dutch). The name and/or abstract must clearly state the exact subject with the brand name if relevant, e.g. what kind of microscope, what it is used for, etc.</td>
</tr>
</tbody>
</table>
Governance of research classifications

- Research classifications
  - Research disciplines
  - Research funding
  - Technology domains
  - Publication types
Governance of research classifications

- **Research disciplines**
  - Development in 2016-2018
  - Update in 2021-2023
  - Harmonised semantics
  - Harmonising implementation
  - Standard in Flanders
Governance of research classifications

• **Research funding**
  - Continuous updates
  - Collaboration with funders
  - Community reinforcement
Semantic governance

- **Semantic harmonisation** of research terms and concepts related to:
  - Information models in FRIS
  - Research classifications
  - FRIS reports (BOF/IOF/FOSB)
  - Research reports (on request, e.g. university rankings)
ECOOM as strategic partner for FRIS

Ecosystem to support FRIS:
- A futureproof and flexible platform
- In line with international evolutions and requirements
- A central hub for research information that can be used for multiple purposes:
  - Visibility
  - Transparancy
  - Reporting
  - Strategic decision making
  - Stimulating collaboration
  - Stimulating open science
  - Accelerating innovation
  - ...
ECOOM-HASSELT

Contact

- **ECOOM promotorship & supervision**
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  - Dr. A. Ali-Eldin
  - Dr. H. Poelmans

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  - Dr. S. Hoang-Pham
  - Dr. E. Neyens
  - Mrs. T. Araboeli
  - Mrs. D. Vermin

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- **Special thanks to the FRIS team!**
  - IIs de Bal
  - Pascale Dengis