IMPLEMENTING CRIS INTERFACES WITH RIS SYNERGY: CHALLENGES AND OPPORTUNITIES OF A MULTIDISCIPLINARY BOTTOM-UP APPROACH

VANESSA ERAT, ELENA FÜRST, SIMONE HARTMANN, ULRIKE HICKER, SABINE NEFF
THE AUSTRIAN RESEARCH LANDSCAPE

Research institutions:
• 22 public universities, universities of applied sciences, private universities, research institutes and companies

Funding institutions:
• Distribution of funds through various funding organisations supported by the federal government
KEY FACTS

• Launch in March 2020 at TU Wien
• Financed by the Federal Ministry of Education, Science and Research
• Project Partners: 12 universities and 3 funding organisations
• Objectives:
  • Optimising administrative support for research projects
  • Easing administrative efforts for researchers
  • Increasing data quality and transparency for research institutions, funding organisations and public bodies
  • Raising the international visibility of Austrian research
PROJECT OUTCOMES

INTERFACES

➢ Standardised exchange of metadata and research information such as project data, publications and grants

➢ Open metadata standards to increase data quality, transparency and security and enable diverse and permanent use of research information

➢ Open source and available for reutilisation

CONCEPT STUDY

AUSTRIAN RESEARCH PORTAL

Framework conditions and recommendations for the development of a national research portal which

➢ are based on RIS Synergy interfaces

➢ corresponds with the needs of the Austrian research landscape and incorporate synergies with existing projects

➢ provides the technological and content-wise requirements as a basis for (subsequent) implementation and further development
RIS SYNERGY AND A BOTTOM-UP APPROACH

• Solution-oriented

• Driven by needs and requirements

• Collaboration among mid-level management departments:
  • Research support services
  • Library services
  • IT departments

• Common thread for all aspects from project management to working groups
ORGANISATIONAL MODEL

Rectorate / Management / Ministry

Core team TUW

IT

PM

RTI Support

Projectmanagement RIS Synergy

Public outreach

Reporting

Part II:
Concept Study – National Research Portal

Target group analysis
International comparison
Lessons learned

Part I:
Interfaces & Standards
Implementation Phase

Programme information
Organisation

Project information
IT

Publications
CRIS-PI

Part I:
Interfaces & Standards
Analysis Phase

Programme information
Organisation

Project information
Financial information
Publications

IT

DMPs

DONE

IN PROGRESS

Part II:

12 universities:
TU Wien (TUW)
University of Vienna (Univ)
University of Klagenfurt (AAU)
University of Innsbruck (Uibk)
Medical University of Graz (MedUni)
Academy of Fine Arts Vienna (akbild)
University of Applied Arts Vienna (angew.)
The University of Music and Performing Arts Vienna (mdw)
University of Veterinary Medicine, Vienna (vetMed)
University of Salzburg (Unls)
Graz University of Technology (TU Graz)
University of Natural Resources and Life Sciences (Boku)

3 funding organisations:
Austrian Science Fund (FWF)
Austrian Research Promotion Agency (FFG)
Vienna Science and Technology Fund (WWTF)

Interested research institutions
Uni Graz
Emer
Iku

STEERING

S. 6
DEFINING A COMMON UNDERSTANDING (1/2)

Meta process: Research project life cycle (simplified)
# DEFINING A COMMON UNDERSTANDING (2/2)

## GLOSSARY
*(e.g. FUNDING)*

<table>
<thead>
<tr>
<th>Begriff (de)</th>
<th>Begriff (en)</th>
<th>Definition (de)</th>
<th>Definition (en)</th>
<th>Vocabulary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finanzierung</td>
<td>Funding</td>
<td>Funding</td>
<td>Funding is an amount of money or an equivalent value.</td>
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<tr>
<td>Förderart</td>
<td>Funding type</td>
<td>Type</td>
<td>Förderart.</td>
<td>Funding type - Vocabulary</td>
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## VOCABULARY
*(e.g. PROJECT TYPE)*

<table>
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<th>Begriff (de)</th>
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<th>Definition (en) → CERIF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forschungsförderung</td>
<td>Research Project</td>
<td>A project with a specific set of anticipated research outputs to be produced over a specific time-frame.</td>
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<tr>
<td>Auftragsforschung</td>
<td>Contract Research</td>
<td>A project funded for an expected outcome (normally specified by the funder).</td>
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<tr>
<td>Kooperative Forschung</td>
<td>Collaborative Research</td>
<td>(The work undertaken by a person during) a funded research degree which involves an external agency as part of or host to the research work (e.g. a research council collaborative doctoral award).</td>
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</tbody>
</table>
PROJECT MANAGEMENT

Collaboration between funders & universities:

• Democratic participation process
• Multidisciplinary framework
• Online working environment & in-person meetings
DECISION-MAKING PROCESS

• Shared process with ripple effect

• Implementation is elective and optional

• Weighted decision-making process in line with commitment of project partners
STANDARDISATION & IMPLEMENTATION

STANDARDS
- CERIF
- OpenAIRE

IMPLEMENTATION
- Data interfaces based on CERIF XML & OpenAire Guidelines for CRIS managers
- Open-source solutions
- Decentralised architecture

PIDS
- DOI
- ORCID
SUMMARY & OUTLOOK

RIS SYNERGY TOOLBOX

→ to implement change and digitisation in the research support sector

- collaborative platform
- standards and interfaces
- processed data
- informative core messages and public outreach practices
- invitation to redirect energies and resources in research support services
- concept for a national research portal