OpenAIRE Guidelines for CRIS Managers

Jan Dvořák

euroCRIS
Charles University
Czech Technical University
OpenAIRE Metadata Flows

- Literature Repositories
- Data Archives
- CRIS

OpenAIRE Aggregator

OpenAIRE Portal
CRIS? Have we seen that?

Absolutely!

- ASEP @ Academy of Sciences CR
- OBD+GaP @ Charles University & many others
- IS MU @ Masaryk University & many others
- V3S+EZOP @ Czech Technical University
- GRIS @ Czech Science Foundation
- ISTA @ Technology Agency CR
- CORDIS @ European Commission
- IS VaVaI @ R&D&I Dept, Office of the Govt CR
Current Research Information Systems
(cs: informační systémy o aktuálním výzkumu)

Contain info about research
Current Research Information Systems
(cs: informační systémy o aktuálním výzkumu)

Contain info about
• on-going research
Current Research Information Systems
(cs: informační systémy o aktuálním výzkumu)

Contain info about

• past (but relevant today)
• on-going research
Current Research Information Systems
(cs: informační systémy o aktuálním výzkumu)

Contain info about

• past (but relevant today)
• on-going
• planned
research
Current Research Information Systems

(cs: informační systémy o aktuálním výzkumu)

Contain info about

• past (but relevant today)
• on-going
• planned

research

Many aspects!
Research Information

Inputs
- Funding applications
- Funding

Process
- Projects
- Infrastructures

Outputs
- Publications
- Patents
- Products
- Spin-off companies

Researchers + Institutions

Facilities
- Equipment
- Services

Research datasets
- Research software
- Prototypes
- Pilot plants

+ Outcomes ...
+ Impacts ...
Research Information

The process of research
- Research projects
- Funding
- Research infrastructures

The research actors
- Researchers
- Institutions
- Funders
- Publishers
- Facility operators
- Associations

Research results
- Outputs (Publications, Research Datasets, Patents, ...)
- Outcomes, Impacts
OpenAIRE CRIS Metadata Interchange

• CRIS
  – Institutional: Publications & other Outputs, Equipment
  – Funder: Funding Programmes, Calls, Projects
  – National/Regional: all of the above pre-aggregated

• The OpenAIRE Aggregator
OpenAIRE Metadata Flows

- Literature Repositories
  - Dublin Core Metadata over OAI-PMH
  - DataCite Metadata Schema over OAI-PMH

- Data Archives

- CRIS
  - CERIF XML over OAI-PMH

- OpenAIRE Aggregator

- OpenAIRE Portal
Common European Research Information Format

- Comprehensive information model for research
- Interchange format
  - Based on XML & XML Schema
  - Customizable in profiles

- EC recommendation for the member states
- Developed and maintained by euroCRIS
OpenAIRE Guidelines for CRIS Managers 1.1

Goals:
1. Enable rich, structured metadata to be harvested by OpenAIRE from CRISs
2. Serve as model for similar metadata interchange scenarios
Output Types: COAR Resource Types vocabulary 1.1
Identifiers Supported
Strong selection against hybrids maintains a narrow contact zone between morphologically cryptic lineages in a rainforest lizard.
<Publication xmlns="https://www.openaire.eu/cerif-profile/1.1" id="852734">
   <!-- [ ... ] -->
   <Authors>
      <Author>
         <Person>
            <PersonName>
               <FamilyNames>Singhal</FamilyNames>
               <FirstNames>Sonal</FirstNames>
            </PersonName>
         </Person>
      </Author>  <!-- [ ... ] -->
   </Authors>
   <!-- [ ... ] -->
   <Affiliation>
      <OrgUnit id="301248">
         <Name xml:lang="en">Museum of Vertebrate Zoology</Name>
         <PartOf>
            <OrgUnit id="329384">
               <Name xml:lang="en">University of California, Berkeley</Name>
            </OrgUnit>
         </PartOf>
      </OrgUnit>
      <!-- [ ... ] -->
   </Affiliation>  <!-- [ ... ] -->
   <!-- [ ... ] -->
</Publication>
Phenotypically cryptic lineages comprise an important yet understudied part of biodiversity;
Current status: Version 1.1 in finalization

The document:

The XML Schema and examples:
https://github.com/openaire/guidelines-cris-managers
Pilot implementation

**METIS2OpenAIRE project** (02–05/2018)

Funded by OpenAIRE

- **METIS** – an institutional CRIS at Radboud University, Nijmegen [NL]
- Prototype validator
  
  https://github.com/jdvorak001/openaire-cris-validator#openaire-cris-validator

Plus two budget-neutral partners:

- **Omega-PSIR** (Warsaw University of Technology, >12 installations in [PL])
- **PURE** (Elsevier, >250 installations world-wide)
Coming soon!
The 14\textsuperscript{th} International Conference on Current Research Information Systems


13–16 / 06 / 2018 @ Umeå, SE

57 extended abstracts received
120–150 participants expected