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Publication metadata in CERIF: Inspiration by FRBR

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OUR MOTIVATION

Tracking publications in CERIF

“Textbook” cases easy

Real-world cases not as easy

E.g.

- a paper that appears both online and in print
- a paper where we also track the pre-print and the post-print
- a paper that later appears as a book chapter

☞ CERIF is very flexible

Expressive ❥

Many ways how to do one thing
WHY TRACK PUBLICATIONS IN CRIS?

Functions of Scientific Communication
by Herbert van de Sompel et al. 2004:

1. *Registration*
   -> claim precedence for a scholarly finding
2. *Certification*
   -> establish validity of a registered scholarly claim
3. *Awareness*
   -> let actors in the scholarly system be aware of new claims and findings
4. *Archiving*
   -> preserve the scholarly record over time
5. *Rewarding*
   -> reward actors for their performance in the communication system
WHY TRACK PUBLICATIONS IN CRIS?

basically:

TO DEMONSTRATE
WE ARE DOING
RELEVANT RESEARCH
in short:

to show off
HOW TO TRACK PUBLICATIONS IN CRIS?

BE PRAGMATIC!
The **cfResultPublication** entity

- A broad definition
- A couple of attributes
  - some multi-lingual, e.g. the title

Vocabulary terms: closer qualification

Federated identifiers

Links to other CERIF objects: context
- incl. to other cfResultPublications
FUNCTIONAL REQUIREMENTS FOR BIBLIOGRAPHIC RECORDS

A very clean model from LIS

- Work
  - a distinct intellectual or artistic creation
- Expression
  - the contents of a manifestation
- Manifestation
  - the set of same items
- Item
  - what you can hold in your hand

Realizes

Embodies

Exemplifies
A specialization of FRBR for scholarly publishing

- Scholarly Work : Work
  - Created by …, Funded by …, Supervised by …
- Expression
  - Edited by …
- Manifestation
  - Published by …
- Copy : Item
  - Owned by …
BUILDING BLOCKS
A journal article that appeared both online and in print, with both the pre-print and the post-print deposited at Arxiv.org.

Example 2: A journal paper (both printed and online) that later appeared as a book chapter.


PROPOSED GUIDELINES

1. the scholarly work + its most prominent manifestation
   \[ \text{cfResultPublication} \]
   - priorities: (1) Print. (2) Online. (3) Memory medium.

2. other manifestations that reduce to a pointer
   \[ \text{cfFederatedIdentifier} \]
   - use classifications

3. other manifestations that don’t reduce to a pointer
   \[ \text{separate cfResultPublications} \]
   - interlinked using the “Same Contents” role
PROPOSED GUIDELINES (CONT.)

4. different expressions are not explicitly represented
   ▪ expression types in the classification terms of manifestations

5. full texts (copy)
   cfMedium
CONVENTIONS ARE USEFUL!
THANK YOU!

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