Complementarity of Perspectives for Resource Descriptions

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Resources
Work is realized through Expression, which is embodied in Manifestation. “Inherent relationships” are recursive, with one or many Item examples.
FRBR Subjects

Work
- has as subject Expression
- has as subject Manifestation
- has as subject Item

Person
- has as subject Family
- has as subject Corporate Body

Concept
- has as subject Object
- has as subject Event
- has as subject Place

many
Ceci n’est pas une pipe

René Magritte
Self-describing Elements

- Titles
- “Authors” (i.e., persons, families, corporate bodies associated with the resource)
- Publication information (places of publication, publishers, dates)
- Series
- Identifiers: ISBN, URLs, etc.
- Etc. (extent, dimensions, etc.)

**Objective data** (helps with “recall” – adjusted through relevance ranking and other algorithms of search engines)
Added Descriptors (Added Value)

- Controlled vocabularies
  - Authority data: name/subject terms
- Classification numbers
- Other categorizations (e.g., genre/form)
- “Added value” images, sound, etc.

Subjective data (helps with precision of a search)
Multiple Perspectives

- Bibliographic data
- Authority data
  - Names (Persons, corporate bodies, families, works/expressions)
  - Classification numbers, Subject terms, Genre/Form
Name Authorities

- VIAF (Virtual International Authority File)
  - Persons
  - Corporate bodies
  - Families
  - Places (geographic names)
  - Works/expressions ("uniform titles")

- Linked to dictionaries, biographical tools, images, and resources and other "Linked data" on the Web
VIAF - viaf.org
VIAF
Virtual International Authority File

Usage Statistics for 2014

- 7 million pageviews
- 1.4 million visits
- 171 million total searches

36 national libraries in 33 countries

viaf.org
VIAF Languages

Language presence in source files in VIAF

English
French
Italian
Portuguese
Subject Authorities

❖ Controlled vocabularies
  ❖ Basis/scope
    ❖ Same/similar: LCSH, RAMEAU, RVM
    ❖ Different: LCSH vs. MeSH

✓ Coverage

✓ Concepts – Biophysics, Literature, History, Thermoreceptors
✓ Events – War of 1812; Hague, Treaty of, 1717
✓ Historical periods – Jurassic, Post-modern
✓ Etc.

Some embed links to classification numbers
Classification Numbers

- UDC
- LCC
- DDC
- etc.
Different Scripts for Numbers

α β γ δ...

0 1 2 3 4 5 6 7 8 9

sifr eeth-nayn arba'a sitta thamaaneeya
waahid thalaatha khamsa sab'a tis'a
Subjects: Lessons Learned

- IFLA’s MulDiCat – Multilingual Dictionary for Cataloguing Terms and Concepts
- LCSH/RAMEAU/RVM – linked data experiments
- MACS (Multilingual Access to Subjects) – LCSH/RAMEAU/GND
Mapping: Multilingual Issues

- **1→1**
  - mathematics ↔ matematica
  - algebra ↔ algebra
  - Fe ↔ iron ↔ železo ↔ rauta

- **1→n (one to many)**
  - Ambiguity: Football = Soccer? American football?
  - katumus = remorse, regret, repentance
  - vacation homes = loma-asunnot, lomakodit
  - hiking = vaellus, retkeily

- **1→0**
  - geyser, tsunami
  - stork
Mapping vs. Complementing

- Linked data mapping experiments:
  - LCSH/RAMEAU/RVM
  - MACS

- ALTERNATIVE: Complementarity of terms in bibliographic records
Complementarity

- Linked **bibliographic records** for the same resource
  - multiple controlled vocabularies/terms
  - multiple classification numbers
  - linked descriptions with natural language notes

- Linked **digital resource**
  - natural language from the resource itself
Roshomon
Different Perspectives

- Different points of view of catalogers/indexers
  - academic background of the person doing the describing
  - training in applying cataloging rules, classification schemes, subject terminology

- Complement each other

- Beneficial to add terms/numbers in bibliographic records for the same resource to provide access to the resource
Classification

- **Shelf organization** = one number
  - But often a work is “about” many topics

- **Classified catalogs** – multiple class numbers for retrieval
  - To cover multiple concepts of the work

- **Local budgetary decisions**: Limited amount of numbers/terms assigned

- International links increase subject access
Benefits

- Reduce costs worldwide – share the descriptions, share the work

- Increase access for researchers/users
  - Let all the descriptors serve – multiple perspectives

- Share globally
Communicating Information
Now: Linked Open Data
Internet

“Cloud”
Ethnomathematics - a multicultural view of mathematical ideas, Marcia Ascher

Title: Ethnomathematics - a multicultural view of mathematical ideas / Marcia Ascher.

Author: Marcia Ascher


Language: English

Type of material: Book

Subject(s): Ethnomathematics

Dewey: 510

ISBN: 0534148808

LCN: 00048877

Dewey class no.: 510

Notes: Includes bibliographical references and index.

Loc: 00048877

Source: Document Supply 91/17184

PRAT CENTRAL RED-DOT GN476.15.A831991 Requestable
MONT ROCKVILLE ADULT 510 ASC Requestable
CARR Hoover Library L Floor - Not Requestable
CARR Carroll Community College Lower Level - Not Requestable

CALL NUMBER: GN476.15.A83 1991

Copy 1

Request in: Jefferson or Adams EC

Status: c.1 Charged - Due -
Future

- Share globally what each library does locally

- Current projects, initiatives, etc.?

- Where will you take us?
Suggested Readings


Suggested Readings, continued


