

European DDC Users Group
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Making Dewey Data Actionable

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Genesis of Project

- Ontology project
- Testing the theory
- Response to interest in linked data
- Inform business cases

USE CASES



Faceted Search

- A user interested in Celtic peoples searches “Celts”
- The topic “Celts” is linked to T5—916 in the system
- Interdisciplinary number (940.04916) prioritized, but:
- Results include works on specific subjects built with the T5 notation; based on discipline, users can narrow search results with faceting



Hierarchical Search

- A user wants works on air pollution (363.7392)
- The system checks for relevant works up and down the hierarchy (e.g., 363.739 for abridged classification, 363.7392* for more specific built numbers)
- Using captions as search facets, the user can look for more or less specific works



Cross-language Search

- A user is looking for works on vehicular traffic
- By linking terms, they can get the same results for “vehicular traffic”, “circulation des véhicules”, “traffico veicolare”, or “kjøretøytrafikk”
- Most useful in multilingual contexts; users should still be able to filter results by language



Cross-Classification Search

- A user searches for “asterisms” (an LCSH)
- Though not explicitly given in Dewey, we’ve linked the term to 523.8, and perhaps the RI Constellations
- The system returns relevant results—even if there are no LCSH in its own data!



Collection Analysis

- Library staff want to get a sense of their library's coverage of given topics
- The system checks against topics and classes to identify collection strengths and weaknesses

OUR PROCESS SO FAR



Metadata Strategy

- Vocabulary assessment/comparison
- Data analysis
- Modeling



Problems Encountered

- Practical problems
- Complexity of the DDC system
- Ontology challenges
- Normalization – from MARC to entity descriptions



Framework for Test Implementation

- Internal ontology
- Format and content negotiation
- Vocabulary and identifier mappings
- Wikibase instance

WHERE CAN WE GO WITH THIS?



A few key technologies





Properties for Collaborative Curation

- Transform editorial process
- Multilingual support
- Community interfaces
- Relative Index mapping

In closing...

How would *you* like to use Dewey as linked data??

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**Because
what is
known must
be shared.®**