Interchangeable Entities:

BIBFRAME Implementation, Interoperability, and Metadata Reuse

Ian Bigelow

Core Copy Cataloging IG
March 8th, 2022
The questions of the day:

“What is your idea of "Copy Cataloging" in BIBFRAME/Library Linked Data context?”

“Is it possible to predict a realistic timeline in which we may see widespread copy cataloging using BIBFRAME/library linked data?”
UAL is actively and strategically implementing linked data to:

- Facilitate different modes of discovery for enhancing user discovery experiences.
- Enable new modes of discovery within and across collections (ours and others’).
- Provide open access to our metadata for the widest of audiences.
- Support cataloging and metadata practices to incorporate more appropriate and respectful terminology in our vocabularies.
- Improve workflows for data transformation, migration, assessment, and enhancement.
- Support long term data preservation with emerging linked data standards.
But keep in mind that:

The plan strives to:

- Define plans for short-term (6 - 18 months), medium-term (18 months - 3 years), and long-term (3 - 5 years) goals.
- Create milestones to allow regular checking of progress.
- Identify resources required to achieve short-term goals

Is dependent on:

- Key international partnerships:
  - Program for Cooperative Cataloguing
  - LD4/LD4P
  - Share-VDE
  - + others

Why does this matter in the context of copy cataloguing?

This is a complex system to be developed over time
Desired Sinopia and Share-VDE Connections at UAL (3 year goal)

Create and manage external entities
- CKB / Sapientia
- LC Vocabs
- Wikidata
- ISNI

Discover and borrow resources
- Share VDE catalog
- EDS Article Index
- OCLC Worldcat
- Classic Catalogue

Create and manage bibliographic metadata
- Sinopia/JCricket

Acquire materials and metadata
- Shelf Ready Providers
- E-resource record sets
- MARCIt*Custom
- Share VDE / PCC Data Pool
- OCLC Collection Manager

Manage collections
- Sirsi Symphony

Desired new connections
- Hathi Trust
- Internet Archive

Existing one-way connection
- OCLC Collection Manager
The good news: We have the tools!

Data Flow and Metadata Reuse (3 year goal)

Entity Management in J. Cricket

Sapientia + J Cricket

Bf-bf harmonization

Original and copy cataloguing in Sinopia

Share-VDE

Test LD Discovery; Access to Data

mrc2bf

bf2mrc

Sirsi

Load Bulk MARC files to Sirsi (will be converted to bf)

bf2mrc

Sinopia
Sinopia

UAL Monograph Instance (Un-Nested)
Sinopia

- Original and copy cataloguing
- Connection with Share-VDE to populate a larger data pool, including the PCC data pool
- Sinopia Middleware allowing for BIBFRAME to generate MARC for use in existing ILS

This means that we can look forward to changing original and copy cataloguing workflows to Sinopia (BIBFRAME), while still populating our Sirsi MARC dataset, and contributing to PCC.
### Share-VDE
- A very large data pool to leverage for metadata re-use
- Host for PCC BIBFRAME data set

#### The Share Family institutions

<table>
<thead>
<tr>
<th>Share-VDE members</th>
<th>LD4P cohort members</th>
<th>Share-Catalogue Institutions</th>
<th>Kubikat-LOD project</th>
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<tbody>
<tr>
<td>Duke University</td>
<td>Cornell University</td>
<td>Università Degli Studi di Napoli “Federico II”</td>
<td>Kunsthistorisches Institut in Florenz</td>
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<td>Frick Art Reference Library</td>
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<td>Biblioteca Heitziana, Rome</td>
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<td>Central Institute of Art History, Munich</td>
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<td>Università degli Studi di Napoli Parthenope</td>
<td>Deutsches Forum für Kunstgeschichte, Paris</td>
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<td>Share-Music project</td>
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<td>Bayerische Staatsbibliothek</td>
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<td>The British Library</td>
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Andrea Bocelli

Italian tenor and singer-songwriter (1958).

Andrea Bocelli is an Italian operatic tenor and multi-instrumentalist. He was diagnosed with congenital glaucoma at 5 months old, and became completely blind at age 12, following a soccer accident. After performing evenings in piano bars and competing in local singing contests, Bocelli signed his first recording contract with the Sugar Music label. He rose to fame in 1994, winning 44th Sanremo Music Festival performing “Il mare calmo della sera”. – Wikipedia

More options

Original works by

Publications by

3 results

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<tr>
<th>Title</th>
<th>Year</th>
<th>Genre</th>
<th>Creators</th>
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<td>Musica del silenzio</td>
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<td>Fiction</td>
<td>Andrea Bocelli (author)</td>
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<td>W.Erther</td>
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Share-VDE and MARC to BIBFRAME Conversion

- As with other institutions, UAL can continue to update our data set in Share-VDE from our ILS (Sirsi Symphony).

  The implication here is that we can either catalogue in BIBFRAME with Sinopia, or we can add to our collection in BIBFRAME by continuing to catalogue in MARC with Sirsi Symphony as needed. For instance, for:
  
  - Copy cataloguing from data pools that are not available in BIBFRAME yet
  - For adding large data sets that are only available in MARC
What about transitioning other data sources?

Shelf-Ready Cataloguing:
- Library Services Centre
- Proquest

E-Book/Online Collections:
- Proquest
- What about others?

When do we focus on transitioning these types of Metadata ReUse?
Interchangeable Entities:

To briefly summarize, metadata reuse based on this hybrid ecosystem is supported by:

1. MARC21 to MARC21 workflows
2. MARC21 to BIBFRAME workflows
3. BIBFRAME to BIBFRAME workflows
4. BIBFRAME to MARC workflows

It should be obvious that standardization and interoperability of data become more important than ever here, but challenges quickly emerge:

- MARC vs simplified MARC
- BIBFRAME flavors, standardization, and shape
- The need for interchangeable entities, rather than copying of MARC files
Share-VDE entity model

[Diagram of library reference model with entities such as Work, Expression, Manifestation, Item, and their relationships such as Is Realized Through, Is Embedded In, Has Expression, Has Instance, Has Item.]
Work modeling

These are not small challenges, but something BIG is coming

- BIBFRAME Interoperability Group (BIG)
- MARC Simplification
- Ongoing development and stabilization of API to connect data pools and enable data flow
- A push towards open data to support metadata reuse
  - See PCC Open Data Policy
- Iterative improvement and incremental change
  - We now need to ask ourselves how much BIBFRAME implementation is about available toolings, data, and technology, rather than project and change management?
- Overall though, so much depends on the ability to share data
Thank You!

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