BIBFRAME Beginnings at UT Austin
Panelists

Jee Davis - Cataloging & Metadata Services, UT Libraries

Melanie Cofield - Cataloging & Metadata Services, UT Libraries

Amy Brown - Book Cataloging, Harry Ransom Center

Alan Ringwood - Cataloging & Metadata Services, UT Libraries

Alisha Quagliana - Acquisitions, UT Libraries
Topics

• Linked Data for Libraries Context
• BIBFRAME Overview & Group Learning Strategies
• Experimentation Process, Tools, Outcomes
• Linked Data Beyond the Catalog
• Lessons Learned and Future Work
The Evolving Metadata Landscape: Positioning for the Future

Source: Be the change that you wish to see in the world by Helminadia Ranford
https://www.flickr.com/photos/helminadia/6696455929
The Evolving Metadata Landscape: Positioning for the Future

- Aligning with national/international metadata communities
- Collaborative and proactive learning
- Being critical and practical

Source: Be the change that you wish to see in the world by Helminadia Ranford
https://www.flickr.com/photos/helminadia/6696455929
Planning

• BIBFRAME Discussion Group
  • Acquisitions, Cataloging & Metadata Services, UT Libraries
  • Book Cataloging, Harry Ransom Center
  • Metadata Services, Tarlton Law Library

• Goals
  • To understand BIBFRAME (and linked data) through group learning
  • To experiment and evaluate BF transformation process and related tools
  • To identify and explore linked data projects

• Progressive and Critical Learning
BIBFRAME Overview

Source: http://www.linkeddatatools.com/images/graphdb.png
BIBFRAME Overview

Pride and Prejudice was written by Jane Austen.

BIBFRAME Overview

- Library of Congress initiative, launched in 2011
- Model, vocabulary, profiles
- Implementation testbeds & pilots
- Tool development

Source: https://www.loc.gov/bibframe/docs/bibframe2-model.html
Group learning strategies

December 2014 through May 2016

Source: https://commons.wikimedia.org/wiki/File:Neuronal_activity_DARPA.jpg
Group learning strategies

- 13 members
- Monthly meetings
- Critical discussion
- Centralized resource/documentation portal
- Professional Development
  - Zepheira 2015
  - Library Juice Academy 2016
- Turnaround training
- Experimentation & reporting
- Monitoring developments
- Synthesizing, sharing lessons learned
Experimentation goals & process

- Identify collections and data sources
- Clean-up data before transformation

**TRANSFORMATION**

- MARC → BF
- MODS → BF
- CSV → BF

- Compare outcomes of transformation
- Identify false transformation
- Document findings

**PLANNING**

**ANALYSIS**
Transformation tools

- Open Refine - data clean up
- MarcEdit
- Zepheira transformation
- Library of Congress transformation tool

Source: Newborn Monarch Expanding by Andy Reago & Chrissy McClarren
https://commons.wikimedia.org/wiki/File:Newborn_Monarch_expanding_%2815659708151%29.jpg
Experimentation outcomes

- Significant data loss - The MARC funnel
- Problematic or indecipherable mappings
- Incomplete user interfaces make assessment difficult
- Collaboration throughout life cycle is essential

Source: https://www.flickr.com/photos/donabelandewen/3664253860
Battle of the BIBFRAME Editors

Zepheira’s BIBFRAME Scribe

vs.

LC’s BIBFRAME Editor

Two important caveats

• Scribe & LC Editor are in active development
• Findings apply to all formats
Sizing up the BIBFRAME Editors

• Scribe
  • Somewhat functional, not very intuitive
  • Vague element names, circular definitions (BIBFRAME Lite)
  • Appears designed by/for non-catalogers

• LC Editor
  • More functional & intuitive than Scribe
  • Element names, definitions aligned with RDA
  • Design influenced by catalogers
Resource profiles

- **Scribe**
  - 7 primary types
    - Article
    - Audio
    - Bibliography
    - Book
    - Dissertation
    - Map
    - Serial

- **LC Editor**
  - 6 primary types
    - Monograph
    - Notated music
    - Serial
    - Cartographic
    - BluRay DVD
    - Audio CD
Data elements: Scribe

- Vague field labels: What to input

Title proper? Preferred title?

Enter group performers here?
BIBFRAME Lite: Circular definitions

<table>
<thead>
<tr>
<th>Label</th>
<th>title proper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>The proper title</td>
</tr>
<tr>
<td>Remark</td>
<td></td>
</tr>
<tr>
<td>Refines</td>
<td>title</td>
</tr>
</tbody>
</table>
Data elements: LC Editor

• Grouped by Work, Expression, Manifestation, or Item

• Reference to RDA guidelines
Other matters: Scribe

- Repeated fields
- Inappropriate fields
- Display issues

What was created?
Other matters: LC Editor

• Dropdown menus for certain elements

• No elements for:
  • Genre
  • Production statement
  • Digital file characteristics
Linked Data Beyond the Catalog - Knowledgebase

- Books we have purchased/tracked
- Describes where/how we get content and what "package" or database it's in
- Links to the license we have for the Vendor or the specific Package
- Shows our contacts with that Vendor
- Tells us it's on in our Link Resolver, A-Z and discovery tool
- Proxy info, access URL, etc.
- Admin login
- Our cost data is below
Linked Data Beyond the Catalog - Discovery

Library recommendations

Altmetric badges

This section can show topic information and link to subject experts and offer additional search terms
Linked Data Beyond the Catalog - Link Resolver
Linked Data Beyond the Catalog – Next Gen LSP
Lessons Learned - Successes

- Gained knowledge of linked data, BIBFRAME
- Increased confidence with data transformation tools
- Achieved effective learning through group collaboration and experimentation
- Broadened perspectives beyond BIBFRAME
- Fostered/strengthened collaborative relationships
• Are we ready for post-MARC?
• How do we keep up with constant changes in development?
• How do we begin conversations with the rest of the library about linked data?
• How do we build our skills around linked data?
• How do we develop metadata services around BIBFRAME/linked data?
Future Work

- Create workflows for metadata batch processing
- Identify metadata services around linked data
- Help build technical infrastructure
- Engage in metadata outreach
Questions? Comments?

Source: I see a rainbow rising by Brad