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A Brief Overview of BIBFRAME

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A Brief Overview of BIBFRAME

Angela Kroeger
What is BIBFRAME?

• Data model for resource description
• Linked data (RDF)
• Not based on RDA or FRBR, but compatible with them (mostly)
• A work-in-progress

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What's it supposed to do?

• Breaks apart the bib record
• Resources described with an assembly of linked metadata pieces
• Relationships between the metadata resources draw them together

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PCC BIBFRAME Survey Analysis

• **BIBFRAME is not** a MARC enhancement

• **BIBFRAME is a** MARC replacement

• **BIBFRAME is not** a new computer system, next-gen OPAC, or ILS

• **BIBFRAME is** a "collection of tools and templates for use by catalogers and system designers"

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Tools Available from Library of Congress

• MARC-to-BIBFRAME Comparison
• MARC-to-BIBFRAME Transformation
• BIBFRAME Editor

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Tools Anticipated Soon

• Search and Display
• Profile Creation and Editing

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Why?

• MARC is stringy, difficult for machines to interpret

• RDA and FRBR are designed for a linked data environment

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Yeah, but why?

Google

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Linked Data from multiple sources in the Knowledge Graph.
Linked Data Triples

RDF

subject—predicate—object

FRBR

entity—relationship—attribute

BIBFRAME

resource—relationship—property

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Subject - Predicate - Object

Poe, Edgar Allan, 1809-1849

Creator

The Raven

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"The Missouri-Kansas Conflict: Civil War on the Western Border"

http://www.civilwaronthewesternborder.org/content/relationship-viewer

- Site designed with FRBR, RDA, BIBFRAME, and Drupal
- Relationship viewer shows data triples in action


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BIBFRAME Core Classes

• Work
• Instance
• Authority

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BIBFRAME Work

• FRBR Work + FRBR Expression

• Abstract

• Properties apply to all editions and formats
BIBFRAME Instance

- FRBR Manifestation
- Concrete
- Properties specific to one edition and format

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BIBFRAME Authority

- Agent, place, temporal, or topic
- "Lightweight Abstraction Layer"
  - Local authority layer
  - Able to link to controlled vocabularies from many sources
  - Home for new URIs for authority concepts not represented in other sources

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BIBFRAME Annotation

• FRBR Item, among other things
• Summaries, reviews, holdings information, etc.

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Two Editors, Two Very Different Approaches

- **BIBFRAME Editor** (Library of Congress)
  - Detailed workform
  - Geared toward trained catalogers

- **BIBFRAME Scribe** (Zepheira)
  - Simplified workform
  - Usable by non-catalogers

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BIBFRAME vs. RDA/FRBR

- 2-entity model doesn't align with FRBR
- "Work" means different things to different communities
- FRBR not optimal for audiovisual resources
- FRBR not optimal for serials
- BIBFRAME relationships are more extensible and flexible

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BIBFRAME and Schema.org

• OCLC and W3C Schema Bib Extend Community Group's Schema.org extension vocabulary evolved into BiblioGraph.net
• Working toward one another
• BIBFRAME for description, curation, and data exchange
• Schema.org for discovery via common search engines

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Libhub Initiative

- Zepheira's new BIBFRAME project
- To publish BIBFRAME resources on the open web
- To track visibility in search engines
- Libhub Network anticipated in summer 2015

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Thank you!

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