The Bibliographic Framework Initiative

The Early Experimenters Experience &
What’s Happening at OCLC

January 27, 2013
The world's libraries. Connected.

Agenda

• The Bibliographic Framework Initiative
  • What is it and why is it important?

• The Bibliographic Framework Initiative: Early Experimenters
  • The Early Experimenters Experience
    • Methodology, Process & Results

• What is OCLC Doing?
The Bibliographic Framework Initiative

Definition & Goals
A Bibliographic Framework for the Digital Age (October 31, 2011)

The Working Group of the Future of Bibliographic Control, as it examined technology for the future, wrote that the Library community’s data carrier, MARC, is “based on forty-year-old techniques for data management and is out of step with programming styles of today.” [1] The Working Group called for a format that will “accommodate and distinguish expert-, automated-, and self-generated metadata, including annotations (reviews, comments) and usage data.” [2] The Working Group agreed that MARC has served the library community well in the pre-Web environment, but something new is now needed to implement the recommendations made in the Working Group’s seminal report. In its recommendations, the Working Group called upon the Library of Congress to take action. In recommendation 3.1.1, the members wrote:

“Recognizing that Z39.2/MARC are no longer fit for the purpose, work with the library and other interested communities to specify and implement a carrier for bibliographic information that is capable of representing the full range of data of interest to libraries, and of facilitating the exchange of such data both within the library community and with related communities.” [3]

This same theme emerged from the recent test of the Resource Description and Access (RDA), conducted by the National Agricultural Library, the National Library of Medicine,
Deconstructing MARC – Identifying MARC Resources (MARCR)

Presentation Excerpt:
- Bibliographic Framework Initiative Approach for MARC Data as Linked Data
- Sally McCallum
- Sept 13, 2012
- IGeLU Conference, Zurich Switzerland
The Bibliographic Framework Initiative

Early Experimenters
BFI: Early Experimenters: Who are They?

- British Library
- George Washington University
- The German National Library (DNB)
- Library of Congress
- National Library of Medicine
- OCLC
- Princeton University
Methodology

Traditional Standards Development

A more agile approach
Discover
business requirements

Design
technical design

Develop
coding and testing

Test
client approval and launch

Time = One Release
Methodology

Traditional Standards Development

2011

BFI Announcement

2012

• LC Publishes Model
• First EE Workshop

2013

• Second EE Workshop
• Bibframe.org
• Experimentation & Feedback

A more agile approach
• October, 2012: Workshop 1
  • Discuss & debate the model
  • See demonstration from Library of Congress
  • Discuss experimentation phase
• December, 2012: Workshop 2
  • Discuss findings of experimentation phase
    • Library of Congress: continued to refine experiments
    • OCLC: Office of Research converted all of WorldCat to BIBFRAME data
    • Others: study and commentary on documents
The Bibliographic Framework Initiative

What Is OCLC Doing?
What is OCLC Doing?

• Short term:
  - Participating in BFI EE process and public discussions
  - Experimentation with WorldCat data under BIBFRAME
  - Distributed experimental data to EE’s
  - Study and discuss:
    - Collections
    - Authority
    - Explore the dynamic of library data and web exposure

• Long term:
  - To provide services for new metadata workflows and member library exposure on the web

schema.org
What Does It Look Like?

@prefix schema: <http://bibframe.org/> .

<http://worldcat.org/works/12345>
  a bf:work;
  bf:title "War and Peace";
  bf:subject <http://id.loc.gov/authorities/names/n79054933>;
  bf:create <http://viaf.org/viaf/96987389>;
  bf:languageOfWork "en";
  bf:genre "History";
  bf:genre "Fiction";
  bf:description "An epic novel featuring the Russian role in the Napoleonic wars and p";
  bf:hasInstance <http://www.worldcat.org/oclc/38264520>;
  bf:hasInstance <http://www.worldcat.org/oclc/620344>.

<http://www.worldcat.org/oclc/38264520>
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  bf:isbn 0553479431";
  bf:title "War and Peace";

<http://www.worldcat.org/oclc/620344>
  a bf:Instance;
  bf:title "War and Peace";
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  bf:genre "History";
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  bf:description "An epic novel featuring the Russian role in the Napoleonic wars and pr";
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Schema.org and BibFrame: big alignments

Data coverage

Schema.org

“Library” extensions

BibFrame

Special library domains

Modeling detail
What is OCLC Doing?

Short Term

Long Term

• Workflows:
  • Works
  • Identifiers
  • WEMI Metadata
  • Web exposure of library data at scale
**Direction**

- Aggregate data to maximize the opportunity to expose it on the web.
- Mine data sets to create additional value.
- Structure and expose data sets as Linked Data revealing the map of knowledge within library data.
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