What we have been working on

- BIBFRAME Modeling
- Developing production services
- Experiments in visualization
BIBFRAME MODELING
Collaborating on BIBFRAME

- Working with the Library of Congress and others to finalize the BIBFRAME standard
- Beginning to explore what working with it at scale will mean
Common Ground: Exploring Compatibilities Between the Linked Data Models of the Library of Congress and OCLC

#ldmodels

Carol Jean Godby
OCLC Research

Ray Denenberg
Library of Congress

Godby, for OCLC Research. 2013.
“Common Ground” action items

• Updating the technical analysis based on deliberation with the Library of Congress

• Doing groundwork for the action items
  – Importing and exporting BIBFRAME
  – Testing compatibilities
    • Including OCLC Work identifiers and links to other entity hubs in BIBFRAME descriptions
    • Reconciling BiblioGraph vocabulary with BIBFRAME
    • Modeling of specialized resource types (e.g., audiovisual materials from the perspective of professional curators).
Creative Works – two views

**BIBFRAME 1.0**

- Work
  - Work, Expression
  - Instance
    - Manifestation, Item

**OCLC model of Works**

- Creative Work
  - Work, Expression
  - Creative Work, Product Model
  - Creative Work, Individual Product
  - Manifestation
  - Item

Creative Works – two views
Creative Works – differences reconciled
Identifiers for different use cases

- Work
  - Work, Expression
- Manifestation
- Item
  - Item

Content
- Copyrights, expanded fulfillment options, processing efficiencies
- Publisher supply chain operations

Product
- Getting it, delivering it, managing it
- A copy
DEVELOPING PRODUCTION SERVICES
WorldCat Person Entity Lookup Pilot

What’s the problem?
- Libraries need a way to **find and identify people** using common identifiers
- Many identifiers **lack statements about relationships**
WorldCat Person Entity Lookup Pilot

How does it work?
- Users can find and identify persons with common IDs
- Users can enter text (for example, a personal name)
- Information returned includes other IDs, birth/death dates, roles, etc.

Pilot participants
- Biblioteka Narodowa (Poland), Cornell, Deutsche Nationalbibliothek (Germany), Harvard, LC, NLM, Stanford, UC Davis, Pepperdine, swissbib, Drexel
WorldCat Person Entity Lookup Pilot

"Same As" API using identifier

Janet A. Smith
Name Authority File 1

Janet B. A. Smith
Name Authority File 2

Janet A. Smith
Name Authority File 2

Janet B. Adam Smith
Name Authority File 3

Janet Adam Smith
Name Authority File 4
WorldCat Person Entity Lookup Pilot

"Search" API using text string

janet smith
Autocomplete

Using the Search service, take user-entered text input and prompt matching names, with related topics and birth and death dates, in a drop-down list under the user's input. When an entry is selected link to the "Search" Demonstration App.

Autocomplete/Search Hybrid

Using the Search service, take user-entered text input and prompt matching names and Person Entity URIs with additional Person Entity metadata on a series of tiles. When an entry is selected link to the "Search" Demonstration App.

Search

Using the Search service, look for exact matches, and with the Person Entity data look for more information from Wikidata and DBPedia, utilizing the Person Entity Lookup "Same As" service to get their related URIs.
<table>
<thead>
<tr>
<th>Search Terms</th>
<th>Query Type</th>
<th>Preferred Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>janet sm</td>
<td>Default</td>
<td>English (United States)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Related Topic</th>
<th>Born</th>
<th>Died</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janet Adam Smith</td>
<td>Author</td>
<td>Children's book published in English</td>
<td>Dec 9, 1905</td>
<td>Sep 11, 1999</td>
</tr>
<tr>
<td>Janet Smalley</td>
<td>Author</td>
<td>Orphans</td>
<td>1893</td>
<td>1965</td>
</tr>
<tr>
<td>Janet E. Smith</td>
<td>Author</td>
<td>Birth control, Religious aspects, Catholic Church</td>
<td>Jan 1, 1950</td>
<td></td>
</tr>
<tr>
<td>Pauline Smith</td>
<td>Author</td>
<td>Literature</td>
<td>Apr 2, 1882</td>
<td>Jan 29, 1959</td>
</tr>
<tr>
<td>Janet Levarie Smarr</td>
<td>Author</td>
<td>Italian literature</td>
<td>May 20, 1949</td>
<td></td>
</tr>
<tr>
<td>Janet S. Ross</td>
<td>Author</td>
<td>Human physiology</td>
<td>1917</td>
<td></td>
</tr>
</tbody>
</table>
Janet Adam Smith (9 December 1905 – 11 September 1999) was a writer, editor, literary journalist and champion of Scottish literature. She was active from the 1930s through to the end of the century and noted for her elegant prose, her penetrating judgement, her independence of mind – and her deep love of mountains and mountaineering. Leonard Miall wrote: “Biographer, mountaineer, critic, literary editor, textual scholar, comic versifier, visiting professor, hostess, anthologist, traveller – there seemed to be nothing at which Janet Adam Smith did not shine. And she shone with an intensity that made others glow in response.” [DBpedia]
VISUALIZING LINKED DATA
OCLC Research is experimenting with how to use linked data in an experimental discovery system we call “EntityJS”
Search across entities
Interested in EntityJS?

• More info at OCLC Research Update
  – Monday, 10:30-11:30
  – Boston Convention Center - Room 253C