Our First Six Months of BIBFRAME Testing

Peter Green & Timothy A. Thompson
Princeton University Library
DCMI
10.10.14
Our First Six Months of BIBFRAME Testing

How We’ve Totally Been Making it Up as We Go Along, and You Can Too!
We* are not (yet) experts.
<table>
<thead>
<tr>
<th>April</th>
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<td>19 20 21 22 23 24 25</td>
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<td>26 27 28 29 30 31</td>
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Some Context…
Staff Timeline

Approximate start / end dates for professional catalogers in CaMS.
Based on approximate retirement dates for professional catalogers in CaMS.

-44%
“catalogers”

“metadata librarians”
“BIBFRAME is coming.”

- Joyce E. Bell, PUL CaMS Director, after ALA Midwinter 2014
Discuss / Form Core Group / Announce

February

Su Mo Tu We Th Fr Sa
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28

March

Su Mo Tu We Th Fr Sa
1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
Core Group

- Head of Cataloging
- Electronic Resources Librarian
- Metadata Librarian, Spa. / Por. Speciality
Our reasons

- Contribute
- Learn about BIBFRAME, RDF, etc.
- Offer feedback early and often
- Remain relevant locally
- Make ourselves even busier
Our First Steps
Intro to BIBFRAME for ProfCats

impact?

career

retirements

2014 2015
Intro to BIBFRAME for ProfCats

April 2014

Su Mo Tu We Th Fr Sa

1  2  3  4  5
6  7  8  9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30

Agenda

● Linked Data
● BIBFRAME model
● BIBFRAME Game!™
Formed BF Testers Group

Professionals with Specialties in:

- Music
- Rare Books
- Non-Latin materials

11 testers in all
Set a Weekly Schedule

Friday p.m.

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<th>T</th>
<th>W</th>
<th>Th</th>
<th>F</th>
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(Core Group “huddle”: whenever.)
First meeting

April 2014

Su  Mo  Tu  We  Th  Fr  Sa
1    2    3    4    5
6    7    8    9    10   11   12
13   14   15   16   17   18   19
20   21   22   23   24   25   26
27   28   29   30
Initial Questions

Test what?

How?

Any Guidelines?

What are others doing?

(Etc.)
Decide on tasks from week to week…
Decide on tasks from week to week…

- Test marc2bibframe and submit issues
Decide on tasks from week to week…

- Test marc2bibframe and submit issues
- Analyze model
Decide on tasks from week to week…

- Test marc2bibframe and submit issues
- Analyze model
- Test BIBFRAME editor (at LC)
Decide on tasks from week to week…

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- Analyze model
- Test BIBFRAME editor (at LC)
- Read / discuss BF forum listserv
Decide on tasks from week to week…

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- Read / discuss AV Study
Decide on tasks from week to week…

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- Analyze model
- Test BIBFRAME editor (at LC)
- Read / discuss BF forum listserv
- Read / discuss AV Study
- Create profiles
Decide on tasks from week to week…

- Test marc2bibframe and submit issues
- Analyze model
- Test BIBFRAME editor (at LC)
- Read / discuss BF forum listserv
- Read / discuss AV Study
- Create profiles
- Check MARC records enriched with URIs
Decide on tasks from week to week…

- Test marc2bibframe and submit issues
- Analyze model
- Test BIBFRAME editor (at LC)
- Read / discuss BF forum listserv
- Read / discuss AV Study
- Create profiles
- Check MARC records enriched with URIs
- Create use cases
Tools for Testing
Simple website

PUL BIBFRAME Implementation Testbed

Home

Useful Links

- Bibliographic Framework as a Web of Data: Linked Data Model and Supporting Services (PDF file, a.k.a. "The Primer")
- BIBFRAME implementation Testbed
- BIBFRAME Frequently Asked Questions
- Overview of the BIBFRAME Model
- LC Linked Data Service
- Partial mapping of MARC fields to BIBFRAME properties
- BIBFRAME discussion list updates through August 8, 2014
- BF directory on ltsuser: \\ltsuser\bibframe
| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| 1 | 255 0 0 | MARC tag | | init | task | no | bib id | date submitted | how converted | content | example of | issue category | brief description of issue | ma tool (comments) | | claimed by | as signed to | date reported | date closed | notes | resolved |
| 2 | | | | 770.3201 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | RDA book set | whole/part relationships | Titles from contents note ($B) are being mapped to bcf.Work. Designator in $g is being mapped to bcf none. | | 58 set | 6/5/2014 | closed | x |
| 3 | 620 | lat | yes | 770.3201 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | RDA book set | whole/part relationships | Each G20 generates a new bib hasInstance bib:instance. There is no correlation with titles from the 505 field (which are mapped to bcf:Work). | | 58 set | 6/4/2014 | | |
| 4 | 245 | cw | | 740.1347 | 41 772 | Princeton-hosted BIDFRAME Renderer | RDA repro compilation of 2 wks | whole/part relationships | second work became "related" | | | | |
| 5 | 100, 240 | bgn | | 806.1684 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | RDA printed music | | Authorized access point and preferred title did not get mapped at all. | | | | |
| 6 | 700 12 | bgn | | 823.5572 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | RDA sound recording | | Analytical added name-title entities did not get mapped at all | | | | |
| 7 | 700 12, 740 02 | bgn | | 756.6724 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | RDA sound recording | | Analytical added name-title entities did not get mapped at all. 740 fields, however, were mapped four times over. | | | | |
| 8 | 700 12, 740 02 | bgn | | 822.8317 | 5/16/2014 | Princeton-hosted transformation service (voy2m) | AACR2 sound recording | | Analytical added name-title entities did not get mapped at all. 740 fields, however, were mapped twice over. | | | | |
| 9 | | | | 861.1960 | 41 772 | | | | | | | | | | | | | | | | | | | | |
| 10 | 396, 237, 238 | cw | | 820.715 | 5/13/2014 | RDA periodical | non-roman script | | Fields not converted | | | | | | | | | | | | | | | | | | | |
Local web service

http://server/{bbid}?format=

(marc2bibframe behind eXist webapp)
Local web service

http://server/5955727?format=bf
Local web service

http://server/5955727?format=bfez

rdf:RDF

b:Work  @rd:about:  http://pultest/stuff/5955727

rd:type  @rd:resource:  http://bibframe.org/vocab/Text

b:authorizedAccessPoint  Akerkar, Rajendra.

b:workTitle

b:Title

b:titleValue  Foundations of the Semantic Web :
Local web service

http://server/5955727?format=bfr

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Local web service

http://server/5955727?format=viz
Local web service

http://server/5955727?format=viz
Partial MARC to BIBFRAME mapping
(from marc2bibframe modules)

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Early Experiments
Script to enrich MARC with URIs

http://id.loc.gov/authorities/label/

OCLC Work Ids

=100 1$aBlaeu, Willem Janszoon,$d1571-1638.$0http://id.loc.gov/authorities/names/n80024098
... 
=700 1$aBlaeu, Joan,$d1596-1673.$4pbl$0http://id.loc.gov/authorities/names/n80069080
=700 1$aMcCabe, Robert A.,$d1934- ,$edonor.$5NjP$0http://id.loc.gov/authorities/names/n79050165
=700 12$aBlaeu, Joan,$d1596-1673.$tTheatrum orbis terrarum.$0http://id.loc.gov/authorities/names/n80069080
... 
=787 0$ohttp://worldcat.org/entity/work/id/17787100
LodLive
visualRDF
Outcomes (so far)
● Reported marc2bibframe issues
● BF Editor feedback
● Contributions to listserv discussions
● Interesting internal discussions
● Experimentation toward pilot projects
● Initiated collaborations with Library Systems, Digital Humanities Center
Challenges
- Time
- Steep learning curves
- Silence in meetings
- Core Group as instructors
- Technology (esp. BFE output + input)
- (Ironic) sense of testing in isolation
Subject BF Editor Success Stories?

To BIBFRAME@LISTSERV.LOC.GOV
To BFTESTBED@LISTSERV.LOC.GOV
Our Next Steps
Phase 2: Pilot Projects

December 2014

Su Mo Tu We Th Fr Sa
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
Phase 2: Pilot Projects

- Latin American Periodicals input project
- Large-scale MARC enrichment (URIs)
- Create original descriptive data for small projects
- Visualizations
- Training
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- Latin American Periodicals input project
- Large-scale MARC enrichment (URIs)
- Create original descriptive data for small projects
- Visualizations
- Training
- Collaborations with y’all?
Hi, what's your URI?
Links

Fuseki: http://jena.apache.org
LodLive: http://en.lodlive.it/
Pubby: http://wifo5-03.informatik.uni-mannheim.de/pubby/
pulbibframe: https://sites.google.com/site/pulbibframe/
Relfinder: http://www.visualdataweb.org/relfinder.php
VisualRDF: https://github.com/alangrafu/visualRDF