BIBFRAME Progress at the Library of Congress

February 12, 2020
Presenters

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BIBFRAME Accomplishments in FY19
BIBFRAME Training and Pilot Participation

• Expanded the BIBFRAME 2.0 Pilot to 100 active participants (doubled participation!)

• Created an integrated BIBFRAME Training Manual

• Explored non-Latin script BIBFRAME descriptions in depth with LC Overseas Office involvement
Expanded the BIBFRAME 2.0 Pilot to 100 Active Participants

• Expansion in two phases:
  • June 2017 (beginning of Pilot 2.0): 50 catalogers
  • June 2019: 50 more catalogers added

• Ten LC divisions participating, including Cairo, Nairobi, Islamabad, and Jakarta

• Confluence site used for communication and Q/A

• Monthly “All Participants” meetings

• Ongoing webinar sessions with OvOp offices

• All training materials on Cataloger’s Learning Workshop page
Created an Integrated BIBFRAME Training Manual

- What is BIBFRAME?
- BIBFRAME and Linked Data
- Searching the BIBFRAME Database
- ID.LOC.GOV, the LC Linked Data Service
- BIBFRAME Templates
- Creating a New BIBFRAME Work and Instance
- Adding a New BIBFRAME Instance to an Existing Work
- Importing Descriptions from the BIBFRAME Database
- Previewing and Posting
- Workflows

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Explored non-Latin Script BIBFRAME Descriptions in Depth

• Native BIBFRAME descriptions use script of resource
  • Access points are romanized
  • Other areas of description are not romanized
• Not all scripts are “equal” in terms of the amount of romanization they may need
• Automated romanization tools can be used more widely
BIBFRAME Editor, BIBFRAME Database, Technological Achievements

- BIBFRAME Editor enhancements and new features
- BIBFRAME Database enhancements and new features
- BIBFRAME to MARC Conversion status update
- BIBFRAME descriptions in ID.LOC.GOV
BIBFRAME Editor Enhancements and New Features

• Focus on user experience

• Cataloger feedback guided enhancements to the BIBFRAME editor

• Continued to improve alignment between data converted from MARC to BIBFRAME, converted from BIBFRAME to MARC, and created natively in the editor
BIBFRAME Editor Enhancements and New Features

• Improved user experience
  • Less white space
  • Modified browse display
  • Shorter field labels
  • Save buttons at top and bottom of modal windows
  • Activity buttons (post, save, cancel) at the top of the screen
• Border colors for Work, Instance, Item
Shorter field labels

New:

Statement of Responsibility

Old:

Statement of Responsibility Relating to Title Proper
(RDA 2.4.2)

“Save” at top and bottom of window
Color borders to visually distinguish Work, Instance, Item
BIBFRAME Editor Enhancements and New Features

• Auto-save a description to prevent data loss
• Contextual information displays during lookups for headings and works
• Text input areas can be resized
• Input a text string or controlled vocabulary term
• Search vocabulary terms by code or name
“Mouseover” – additional contextual information about the heading that displays within the editor. The cataloger can click the “View on id.loc.gov” link to see the entire record.
Text input boxes can be resized for ease of editing
Catalogers can search by the code (cau) or the label (California). In both cases, the linked data generates the same URI – http://id.loc.gov/vocabulary/countries/cau
BIBFRAME to MARC Conversion Update

- Testing of the BIBFRAME to MARC conversion program is underway
- The conversion program should be publicly available soon
- Changes in the MARC records
  - More URIs in $0
  - No 007 field
  - More 3XX fields
  - A general 008 field
  - All genre/form terms in field 655
  - Some data cleanup – more data consistency
BIBFRAME to MARC Conversion Update

• No 007 field but more 3XX fields

338  $a microfiche $0 http://id.loc.gov/vocabulary/carriers/he

340  $a plastic $0 http://id.loc.gov/vocabulary/mmaterial/pla

344  $c 1.4 m. per sec. $0 http://id.loc.gov/vocabulary/mplayspeed/f

344  $a digital recording $0 http://id.loc.gov/vocabulary/mrectype/digital

344  $b optical $0 http://id.loc.gov/vocabulary/mrecmedium/opt

344  $g stereo $0 http://id.loc.gov/vocabulary/mplayback/ste
BIBFRAME to MARC Conversion Update

• General 008 field
  • 00-05 – Date entered
  • 06 – Type of date
  • 07-10 – Date 1
  • 11-14 – Date 2
  • 15-17 – Place of publication
  • 35-37 -- Language
BIBFRAME to MARC Conversion Update

• All genre/form terms in field 655

655 7 $a encyclopedias
$0 http://id.loc.gov/authorities/genreForms/gf2014026092 $2 lcgft

655 7 $a conference papers and proceedings
$0 http://id.loc.gov/authorities/genreForms/gf2014026068 $2 lcgft

655 7 $a poetry
$0 http://id.loc.gov/authorities/genreForms/gf2014026481 $2 lcgft

655 7 $a popular music
$0 http://id.loc.gov/authorities/genreForms/gf2014027009 $2 lcgft
**BIBFRAME to MARC Conversion Update**

- More data consistency

- Qualifiers in $q
  
  020 $a9781234567890 (pbk.)

  becomes

  020 $a9781234567890$q pbk.

- 260 fields in 264 field


  becomes

  264 1 $aParis, France$b Pierre Verany$c 1995
BIBFRAME Descriptions in ID.LOC.GOV

ID.LOC.GOV provides both interactive and machine access to commonly used ontologies, controlled vocabularies, and other lists for bibliographic description. To search everything, use the search box below. Or, select from the list below to learn more and search only in that vocabulary.

Search id.loc.gov

BIBFRAME
- BIBFRAME Works
- BIBFRAME Instances

Subjects, Thesauri, Classification
- LC Subject Headings (LCSH)
- LC Classification (LCC)
- LC Children's Subject Headings
- LC Medium of Performance Thesaurus for Music (LCMPT)
- Thesaurus for Graphic Materials (TGM)
- AFS Ethnographic Thesaurus
- Subject Schemes
- Classification Schemes

Cataloging
- Aspect Ratio
- Authentication Action
- Broadcast Standard
- Carriers
- Color Content
- Content Types
- Description Conventions
- Sound Capture and Storage
- Encoding Level
- Font Size
- File Type
- Generation
- Groove Width/Pitch/Cutting
- Identifier Status
- Illustrative Content

Ontologies
- BIBFRAME Ontology
- MADS/RDF Ontology
- PREMIS Ontology

Data Types
- Extended Date/Time Format (EDTF)

Preservation Vocabularies
- Preservation Vocs (all)
- Actions Granted
- Agent Type
- Event Outcome
- Preservation Level

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## BIBFRAME Descriptions in ID.LOC.GOV

The Library of Congress > Linked Data Service

### Refine by:
- BibFRAME Works

### Results: 1-20 of 44

<table>
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<tr>
<th>Label</th>
<th>Vocabulary</th>
<th>Concept</th>
<th>Subdivision</th>
<th>Identifier</th>
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<tr>
<td>2. Chiarcos, Christian. Linked data in linguistics</td>
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<td>Nordoff, Sebastian: Linked data in linguistics :: Hellmann, Sebastian: Linked data in linguistics</td>
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<td>3. Danowski, Patrick, Open: Linked Data in Bibliotheken</td>
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<td>Forth, John (John Andrew): Making linked employer-employee data relevant to policy: Barber, Catherine: Making linked employer-employee data relevant to policy: Great Britain: Department of Trade and Industry: Making linked employer-employee data relevant to policy</td>
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<td>5. Hart, Glen, 1959- Linked data</td>
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<td>Dolbear, Catherine, 1975- Linked data</td>
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<td>6. Guerrini, Mauro, 1953- Linked data per biblioteche, archivi e musei:</td>
<td>BibFRAME</td>
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<td>Possemato, Tiziana: Linked data per biblioteche, archivi e musei:</td>
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</table>

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BIBFRAME
Goals for FY20
Strategic Goals

• Ability to programmatically convert metadata from BIBFRAME to MARC
• Continue to add BIBFRAME descriptions to ID.LOC.GOV
• Ability to create name authority descriptions in BIBFRAME
• Improved ID.LOC.GOV searching for cataloger workflows
• Ability to import external descriptions into BIBFRAME Editor and Database
• Integrate BIBFRAME with the NextGen ILS
Director’s Goals

• Continue to expand the BIBFRAME 2.0 Pilot
• Explore and evaluate Discovery as it related to BIBFRAME
• Make the BIBFRAME Database available for public consumption
• Duplicate redundant workflows by having Pilot participants input descriptions into the BIBFRAME Editor only, with programmatic conversion to MARC
NDMSO Goals

• Move system to the cloud and stabilize applications
  • Reconvert data files with improved algorithms
  • Stabilize model issues involving title authorities, non-Latin scripts, relationship to MARC
  • Stabilize MARC to BIBFRAME and BIBFRAME to MARC conversions
• Editor redevelopment
• Add all LC classification schedules to id.loc.gov
• Refine the name authority module
• Review and improve documentation
NDMSO Goals

• Increased collaboration and increased partners:
  • Casalini libri
  • PCC Cohorts
  • Libris (Swedish system)
  • OCLC
PTCP Goals

• Review and improve the BIBFRAME Manual and make it available in HTML
• Develop training materials as new features are changed or released
• Expand participant pool
• Meet regularly with participants
Summary

• FY19 accomplishments and FY20 goals are indicators of scalability of BIBFRAME
• Expansion into name authority work will enable more identity management concepts
• Working with partners is essential
• Refinements and enhancements are critical
• We are still learning as we go along