BIBFRAME Interoperability Group (BIG)

Linked Data Summit 2022
November 7, 2022

Melanie Wacker & Ian Bigelow

Outline

- Overview
- BIBFRAME Interoperability Group membership
- Terms of Reference
- Accomplishments
- Current work areas
- Next steps
- Q&A

Origin of the BIBFRAME Interoperability Group

Result of the BIBFRAME Data Exchange Meeting, a virtual meeting organized by the PCC, September 9-10, 2021, to discuss exchange of BIBFRAME data between systems and implementations

Attendees represented national libraries, PCC committees, LD4 community, vendor community, European BIBFRAME Group, and other interested parties

Major challenge identified:
Interchange of BIBFRAME data caused by different choices in expressing the BIBFRAME ontology in original data creation and different results from data conversion from MARC

Origin of BIBFRAME Interoperability Group (cont.)

At the BIBFRAME Data Exchange Meeting:

- Discussed establishment of an International BIBFRAME Standardization and Exchange Group
- Scope: focus on exchange of BIBFRAME 2.0 (rather than ontology changes)
- PCC taking the lead; coordinating with and including other groups (e.g the European BIBFRAME community)

- Approved by PCC Policy Committee (PoCo): January 2022

Timeline

- Terms of Reference finalized April 2022

- Call for membership posted April 2022

- Membership finalized June 2022

- First virtual meeting: July 2022

Membership

- Membership is institution-based:
  - Standards bodies
  - Libraries that have implemented BIBFRAME (or are actively working towards implementation)
  - BIBFRAME data hosting organizations
- Current co-chairs:
  - Ian Bigelow (University of Alberta Library)
  - Melanie Wacker (PCC)
- One member and one alternate per institution

Current membership

Terms of Reference: Initial governance and jurisdiction

- Initially BIG reports to PCC PoCo on its activities
- PoCo will provide wider oversight and transparency, leverage the expertise of other PCC groups, and coordinate with LC until BIG is functioning as an independent body
- After an initial 2 year period, BIG will select new co-chairs and operate as a standalone international group, developing new governance guidelines as needed

Terms of Reference: Liaisons/Consultants

Liaisons from ILS/Discovery vendors will also be important to bring in insight on systems infrastructure, requirements and development needs.

Further, recognizing that a great deal of work on BIBFRAME is being pursued beyond the membership indicated, a pool of consultant institutions/groups will be maintained. These consultants can provide feedback and support subgroup membership.

A call for consultants has not yet been posted, but several interested parties have reached out to BIG.

Terms of reference: Charge

- Work collaboratively on the development and maintenance of interoperable BIBFRAME data guidelines to support production level implementation, to address issues restricting interoperability, and to inform development of associated toolings and infrastructure
- Is not responsible for further development of the BIBFRAME ontology itself
- Is primarily focused on interoperability for unrestricted metadata reuse

Terms of Reference: Work Areas

- Define a standard BIBFRAME "shape" to support data reuse including conversion to and from other formats
- Explore defining BIBFRAME elements necessary for data exchange
- Surface issues regarding the use of the Official RDA with BIBFRAME and propose strategies for their resolution
- Collaborate and communicate with other groups working in the area of BIBFRAME interoperability to ensure the ability to reuse BIBFRAME created in one community in other BIBFRAME stores

BIG Work Areas (cont.)

- Examine the work accomplished by the other BIBFRAME working groups and apply to this charge where appropriate
- Gather use cases as necessary to inform decision making, expanding on the efforts of the Use Case Working Group and others
- Provide an avenue for other interested parties to contact the BIBFRAME Interoperability Group and/or reach out to other stakeholders

Getting Started: Environmental Scans

- Surveyed BIG members on BIBFRAME data implementations

- Requested additional implementation decisions/documentations and sample data from the BIBFRAME community
(Responses from Switzerland, Belgium, United States, Germany)

BIBFRAME Implementations plus Survey

Implementation	Institutions	Significantly different model from bf:2.0	BIBFRAME version base	MARC to BIBFRAME processing and version	BIBFRAME to MARC processing and version	Documentation
EBSCO	Libraries in 11 countries	Yes	http://bibfra.me/ (currently testing new alignments with BIBFRAME 2.0 and 2.1.0 at scale for release later this year.)			http://bibfra.me/
EXLibris	There are around 2,000 institutions use Alma. Some of them using linked data which include BIBFRAME to expose their data	No	bf:2.0	Using the latest version of the LC MARC2BIBFRAME convertor primarily for enriching and exposing records	Currently in development: using the latest version of LC MARC2BIBFRAME convertor to convert BIBFRAME (stored) to MARC to support library operations	https://knowledge.exlibrisgroup.com/Alma/Product_Materials/010Roadmap/Linked_Open_Data
RERO ILS	58 (non academic) libraries in Switzerland and in 13 university libraries in Belgium (RERO+ & UC Louvain	Yes	bf:2.0			https://bib.rero.ch/help/catalogage/liste-champs/

Survey Questions and Analysis

- 11 implementations
- Significantly different model from bf:2.0:
  50% yes — svde:Opus and svde:work, bflc, local extension vocabularies or BIBFRAME lite
- BIBFRAME version base: *Mostly 2.0, one 2.1 and one in the process of moving to 2.1*
- MARC to BIBFRAME processing and version: *RDFizer tool (SVDE), local conversion logic (Finland), LC MARC2BIBFRAME convertor*
- BIBFRAME to MARC processing and version: *logic based on LC's conversion*
- Documentation & Sample data

Review of Existing Work

- Started to review work by other BIBFRAME groups:
  - Use Case Working Group Final Report
  - Communication Working Group Final Report
  - Work to date from the Working Group on Strawman Interchange Shapes

- Discussed several group members' BIBFRAME implementation requirements for interoperability and issues encountered

- Started to expand on the existing use cases

BIG Cataloging Standards Background

- Surveyed BIG members on their cataloging standards background

- Goal: Utilize BIG Cataloging Standards Background as a starting point to identify common ground for data interchange

- Analysis in progress

BIG Members Standards Background

Member	Country	General Standards Adherence	Local Standards	Official RDA Status	Notes 1	Notes 2
University of Alberta Library	Canada	PCC MAP; member of NACO, SACO, BIBCO, CONSER	NEOS	Still using original toolkit. Holding off on implementation of official RDA pending PCC RDA Test and associated documentation and guidance.	Canadian context: CSH, RVM, Canadian Classification	Member of Share VDE and see importance to clarify use of OWII
Library of Congress	United States	PCC, NACO, SACO, BIBCO, CONSER		Various...		
National Library of Finland	Finland	We have extensive national implementation instructions and workflows in Finnish for original RDA (though without application profiles).	We maintain a national Metadata thesaurus which is linked to the RDA Registry	Still using original toolkit. No official decision about implementing the Official RDA but it has been translated to Finnish. We do have a project preparing the implementation.		
National Library of Sweden	Sweden	Policy statement for RDA in the original toolkit (KBSP), ISBD	Libris codes for languages, Libris transliteration schemes.	Original toolkit	KRS (AACR2) in older records. DDC Classification, SAB (Classification for Swedish Libraries) SAO (Swedish SH)	
OCLC	Global	Variety of international standards including PCC and those built around languages of	OCLC Bibliographic Formats and	Original toolkit.		

Other Next Steps

- Continue to accept implementation documentation from the community
  - Email the co-chairs: mw2064@columbia.edu and bigelow@ualberta.ca
- Involve more institutions and consult with vendors
- Review and expand on output of the Strawman group after they wrap up their work in December
- Understand the use cases for the need of data exchange and defining BIBFRAME elements accordingly
- Define a standard BIBFRAME "shape" from a technical perspective (e.g., SHACL, validation, an W3C RDF validation language, et cetera), as well as from a standards approach

BIG Wiki

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BIBFRAME Interoperability Group (BIG)

Created by Melanie Wacker, last modified on Sep 14, 2022

SPACE SHORTCUTS

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"In the interest of working collaboratively on Linked Data, the Program for Cooperative Cataloging (PCC) is initiating formation of this group per the interests and concerns expressed at the BIBFRAME Data Exchange Meeting organized by the PCC in September 2021. During this meeting different implementation decisions of the BIBFRAME ontology were identified as major obstacles to successful BIBFRAME data exchange. This group is the outgrowth of that meeting and is not intended to supersede any existing groups working on BIBFRAME or linked data in general. It will focus on supporting efficient and interoperable use of the BIBFRAME standard through establishing and sharing best practices between participants. While this group will be formed under the auspices of the PCC, it is intended that the leadership will rotate among the members of this group. " (Terms of Reference)

1. Agendas
2. Membership
3. Presentations

No labels

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Resources

- BIBFRAME Interoperability Group's Wiki Page:
  https://wiki.lyrasis.org/pages/viewpage.action?pageId=249135298

- BIBFRAME Data Exchange Meeting summary:
  https://www.loc.gov/aba/pcc/bibframe/PCC-BIBFRAME-Data-Exchange-Summary.pdf

- Use Case Working Group Final Report:
  https://docs.google.com/document/d/1n-Cmm8yfGnWp2mig2bpmvqFcKlbElQW3ud4jjSR_c5Y/edit

- Communication Working Group Final Report:
  https://docs.google.com/document/d/1CZNCSAszm4zbzUbjtoQjDQ8C4gJ6zchALG2UrynrPOw/edit

- Shapes Constraint Language (SHACL):
  https://www.w3.org/TR/shacl/

- Presentation "Getting started: BIBFRAME Interoperability Group (BIG) 2022 European BIBFRAME Workshop (by Beth Picknally Camden and Xiaoli Li)
  https://www.casalini.it/bfwe2022/web_content/2022/presentations/picknally_li.pdf

Acknowledgement

Thanks to Beth Picknally Camden and Xiaoli Li! Several presentation slides are based on their earlier presentation given at the BIBFRAME in Europe Workshop

Thanks to other BIG members for their valuable feedback and suggestions.

Thank you!

Questions?