BIBFRAME Interoperability Group (BIG)

PCC Policy Committee 2022
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Outline

- Background
- BIBFRAME Interoperability Group membership
- Accomplishments
- 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 (BIG)

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

BIG Terms of Reference: Charge

Charge (finalized April 2022):

- 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: BIG 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

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

Membership

- Call for membership: April 2022
- Membership is institution-based:
  - Standards bodies
  - Libraries that have implemented BIBFRAME (or are actively working towards implementation)
  - BIBFRAME data hosting organizations
- Membership finalized in June 2022
- Current co-chairs:
  - Ian Bigelow (University of Alberta Library)
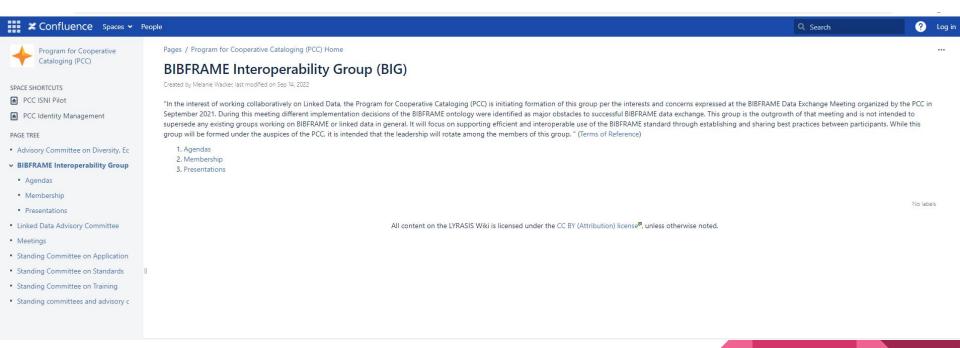 - Melanie Wacker (PCC)

Current membership

BIG Wiki

https://wiki.lyrasis.org/pages/viewpage.action?pageId=249135298

Accomplishments to date

The group first met in July.

- Surveyed the community to gain the understanding of different implementations of BIBFRAME and began to analyze the survey results
- 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
- Brainstormed ideas of engaging and consulting with the community including vendors
- Discussed several group members' BIBFRAME implementation requirements for interoperability and issues encountered

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/

Accomplishments to date (cont.)

- Expanded the use cases recorded in the Use Case Working Group final report

- Surveyed BIG members on their cataloging standards background

- Presented at the 2022 European BIBFRAME Workshop (by Beth Picknally Camden and Xiaoli Li)

- Helped plan the upcoming (Nov. 7-9, 2022) Linked Data Summit hosted by the Library of Congress

Next Step: Utilize BIG Cataloging Standards Background as a starting point to identify common ground for data

	A	B	C	D	E	F	G
	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.		

Next steps (cont.)

- 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 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

Linked Data Summit Nov. 7-8, 2022

Promoted by BIG, LC, LD4P, OCLC, SVDE

"The primary focus of this summit is the interoperability of library data between libraries and their service providers in order to enhance the exchange and reuse of library data. The interoperability of library data with other linked data providers outside the community is equally as important to resolve, but not the thrust of this meeting. It is hoped that a consistent approach to the interoperability of library data between libraries and their service providers will provide a smoother path for the integration of library data with data from other communities as well."--Abstract

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/

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

Thank you!