New format: BIBFRAME in an European perspective – what would be the impact and perspective of BIBFRAME?

Danish RDA-dag

Leif Andresen – Royal Danish Library
Chair Danish Bibliographic Committee

DBC – 23 May 2018
What is BIBFRAME?

— Perspective: successor of MARC
— Perspective is GLOBAL, not European
— Need: Internationalization of BIBFRAME – now Library of Congress...
— Perspective: move from copycataloging of MARC records to dynamic reuse of entities
Introduction to BIBFRAME Workshop 2017

— Over the last years, there have been several Linked Open Data projects in libraries.
— The library community needs one international standard for interchange of bibliographic metadata based on modern technology.
— BIBFRAME shall - according to the intentions of the Library of Congress - replace MARC.
— BIBFRAME has the potential to become more global than MARC21.
— It is important to prepare the implementation of BIBFRAME in Europe. Some countries have taken the lead and other countries are more awaiting. In any case: we need more visibility of BIBFRAME and to start a process making BIBFRAME more international.
Aims of the European BIBFRAME Workshop 2017

— forum for dialogue between representatives from library community in Europe about implementation of BIBFRAME
— forum for sharing knowledge and experience between European libraries
— forum for dialogue between Library of Congress and representatives from library community in Europe.

26 and 27 September 2017: Germany National Library, Frankfurt
Initiative by The Nordic Network Group on bibliographic and infrastructure topics (NNG)
Organisation behind

Organizer Group:
— Anna Berggren and Miriam Säfström, National Library of Sweden
— Nina Hyvönen, National Library of Finland
— Leif Andresen, Royal Danish Library
— Reinhold Heuvelmann, German National Library

NNG
Members of Nordic Network Group on bibliographic and infrastructure topics
— Denmark: DBC + Royal Danish Library
— Finland: The National Library of Finland
— Iceland: Consortium of Icelandic Libraries + National and University Library of Iceland
— Norway: National Library of Norway + BIBSYS
— Sweden: National Library of Sweden
European BIBFRAME Workshop

— Presentations from Library of Congress about development of BIBFRAME
  - Sally H. McCallum: The focus for BIBFRAME
  - Jodi Williamschen: BIBFRAME: Recent developments, future steps and their planned timeframe
— Presentation of LD4P/LD4L projects
— Presentation of *SHARE Virtual Discovery Environment in Linked Data*
— 14 presentations of ongoing and planned projects with BIBFRAME.
— Round table about how to integrate entities for Person and Corporate Body entities in implementation of BIBFRAME.
Participation BIBFRAME Workshop 2017

— 16 European Countries and US
— 24 libraries and institutions
— 41 participants
— URL: https://wiki.dnb.de/display/EBW/EUBFWS2017
European BIBFRAME Workshop and vendors

— Vendors of Integrated Library Systems (ILS) were invited to present their BIBFRAME visions at the project website:
  - Ex Libris (Alma)
  - Index Data (FOLIO)
  - Qulto
  - OCLC
— See https://wiki.dnb.de/display/EBW/Documents+and+Results under Vendor information.
European BIBFRAME projects

— Now a quick look at 5 of the 18 presentations / lightning talks
— (selected implementations in Europe)

— All are visible at
  https://wiki.dnb.de/display/EBW/Documents+and+Results
European BIBFRAME projects

— Adrian Pohl: BIBFRAME at hbz
— Presentation of the lobid projects
— This project combine properties and classes from several ontologies
— 12 properties and 3 classes from BIBFRAME
— View of lobid on BIBFRAME:
  - One of many vocabularies to use, brings some benefits
  - Vocabs aren't the central work, the hard work is to derive decent
    LD from catalogue data
  - We're watching bf development sporadically giving input
  - ...and will be ready to serve bf data
European BIBFRAME projects

— Niklas Lindström: LIBRIS XL BIBFRAME project
— National Library of Sweden is preparing to implement a new cataloguing system – to effectivize library data usage, by means of integration, sharing and reusing, through modernized foundations and tooling.
— Use BIBFRAME (version 2) with supplements from DC and sche,a.org
— See more information at: https://id.kb.se/doc/model
— For technicians; see GitHub: https://github.com/libris/
European BIBFRAME projects

— Miklós Lendvay: **MOKKA UP project**
— Conversion of the common Hungarian catalogue into the BIBFRAME/FRBR structure
— Automated Reconciliation and Enrichment
— Describe **Authify** – a cluster search service
— Conversion from MARC to BIBFRAME
European BIBFRAME projects

— Christina Hoppermann: BIBFRAME at Springer Nature
— Springer Nature have implemented BIBFRAME
— Have still internal core ontology and map to BIBFRAME
— Hoping for a widely-adopted standard
— Current implementations often too MARCish
— Springer Nature provide BIBFRAME without having MARC
European BIBFRAME projects

— Clément Oury: ISSN Register as Linked Data
— Using Bibframe for Serials and Other Continuing Resources
— ISSN Linked Data Application profile:
  - schema.org to foster usage by search engines
  - Bibframe to describe the specificities of the bibliographic universe:
    title and identifier types, relationships between resources…
  - Other ontologies when needed: DC, PROV-O, MARC21.info…
Round table: integrate entities for Person and Corporate Body

— No details in BIBFRAME for FRBR Group 2 entities

— Participants in Roundtable:
  — Jodi Williamschen
  — Niklas Lindström
  — Jana Hentschke: The Integrated Authority File (GND) and Linked Data
— Different solutions – need for knowledge exchange
BIBFRAME as international standard

— We see BIBFRAME as the only Linked Data format for libraries with the potential to become the global solution
— Just so global as MARC has been and still is
— BIBFRAME have the potential to become more global – we still have, several variations of MARC: MARC21, UNIMARC and national MARC formats
— More important: ”the only game in the town” to be THE common interchange format for libraries
Barriers to implementation (1)

— Missing knowledge and documentation
  - More BIBFRAME focused workshops and other events
  - More accessible documentation – proposal: use bibframe.org
— Missing stable community / communities
  - The European Workshop is a first step – more is needed
— Need for information sharing
  - More BIBFRAME focused workshops and other events
  - International community platform: proposal: bibframe.org
Barriers to implementation (2)

— Poor vendor support
  - Pressure on vendors – present them a template for declaration
    (see later slide about BIBFRAME expectations for ILS tender)
— For developers: hard to understand the need for something library specific – why don’t use general solutions?
— For librarians: hard to understand the need for something new – something to succeed MARC
Limitations of BIBFRAME

— Still to few implementations
— Must be more international, e.g. mirror sites for ontology and documentation
— Openness of ontology – Great News: with Sally H. McCallum (Library of Congress) on BIBFRAME mailing list 19 April 2018 about adjustments via Github.com
European vision of a BIBFRAME community

— We have taken the first step with the 2017 workshop
— Not yet a formal organization like EURIG for RDA
— May be another outcome of the 2018 workshop
— The need is not a European Community isolated
— The need is an International Community for global knowledge sharing – and European events
Follow up 2017 Workshop

— Satellite event at SWIB 2017 in December
— BIBFRAME requirements for ILS tender (next slide)
— Dialogue with EURIG - presentation at EURIG-meeting May 2018
— European BIBFRAME Tutorial 2018
— European BIBFRAME Workshop 2018
BIBFRAME Expectations for ILS tenders

— One outcome of the 2017 European BIBFRAME Workshop is a specification for an ILS that supports BIBFRAME.
— The specification is intended to be used as a basis for evaluating vendor systems and working with vendors to develop ideal ILS components for a linked data production environment.
— The specification describe 10 levels of BIBFRAME implementation.
— Download from: https://wiki.dnb.de/display/EBW/Documents+and+Results
BIBFRAME Expectations for ILS tenders – used / referred

— Used by Consortium of Icelandic Libraries in call for tenders
— Will be used by Royal Danish Library in call for tenders
— Referred by Canadian Linked Data Initiative
— Library Technology Guides https://librarytechnology.org/pr/23233
European BIBFRAME Workshop and Tutorial 2018

— European BIBFRAME Tutorial 2018 - 17.9.2018

— European University Institute, Fiesole (Florence), Italy
— Teaser BIBRAME list 12.4.2018
— Announcements last week
— Acknowledgement to Casalini Libri for hosting

—See more: http://www.casalini.it/EBW2018/
European BIBFRAME Tutorial 2018
17.9.2018 – Florenze, Italy

— The Aim of the European BIBFRAME Tutorial 2018 is to introduce the BIBFRAME data model and the current status of BIBFRAME implementations.
— The tutorial will include practical example conversion and presentation of BIBFRAME editors.
— Participants are expected to have knowledge about Linked Data and RDF technologies. The tutorial will not include introduction to Linked Data / Semantic Web or to RDF.
— The tutorial participants have to meet the expectations.
European BIBFRAME Workshop 2018 18+19.9.2018 – Florenze, Italy

— The aim of the European BIBFRAME Workshop 2018 is to be a forum for sharing knowledge about practice of, production with and planning of BIBFRAME implementation.
— We want to bring together people working with the transition from MARC to Linked Data using the BIBFRAME model and related tools.
— This workshop is not a theoretical Linked Data / Semantic Web event; we are strongly focused on practical implementation of BIBFRAME.
— The workshop participants have to meet the expectations: working with production, practice and/or planning implementation.
European BIBFRAME Workshop 2018 and Tutorial 2018

— Organizer Group:
— Leif Andresen, Royal Danish Library
— Michele Casalini, Casalini Libri
— Reinhold Heuvelmann, German National Library
— Sally H. McCallum, Library of Congress
— Philip E. Schreur, Stanford University. Green Library
— Osma Suominen, National Library of Finland
Danish perspective

**BIBFRAME**

— This morning Line Jung Lindhard presented the four step work plan for implementation of new data model in National Union Catalogue

— BIBFRAME as step 4 in implementation of RDA as new rules, new data model and new format
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Links

— European BIBFRAME workshops:
— 2017 workshop:
  https://wiki.dnb.de/display/EBW/EUBFWS2017
— 2017 workshop presentations and BIBFRAME
  Expectations for ILS tenders:
  https://wiki.dnb.de/display/EBW/Documents+and
  +Results
— 2018 workshop: http://www.casalini.it/EBW2018/