

Reinhold Heuvelmann

RDA / MARC / BIBFRAME:

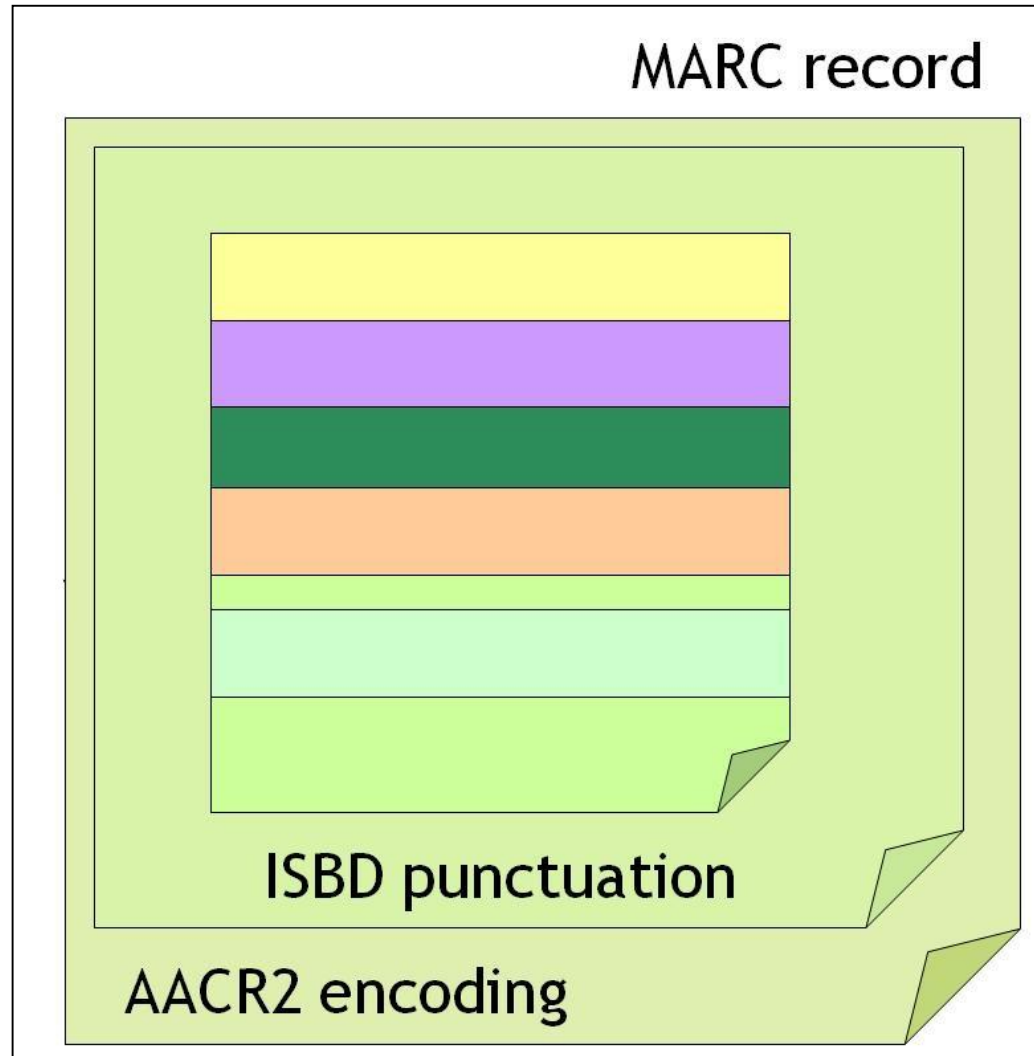
some observations

European BIBFRAME Workshop
September 17-19, 2018
Fiesole (Florence), Italy

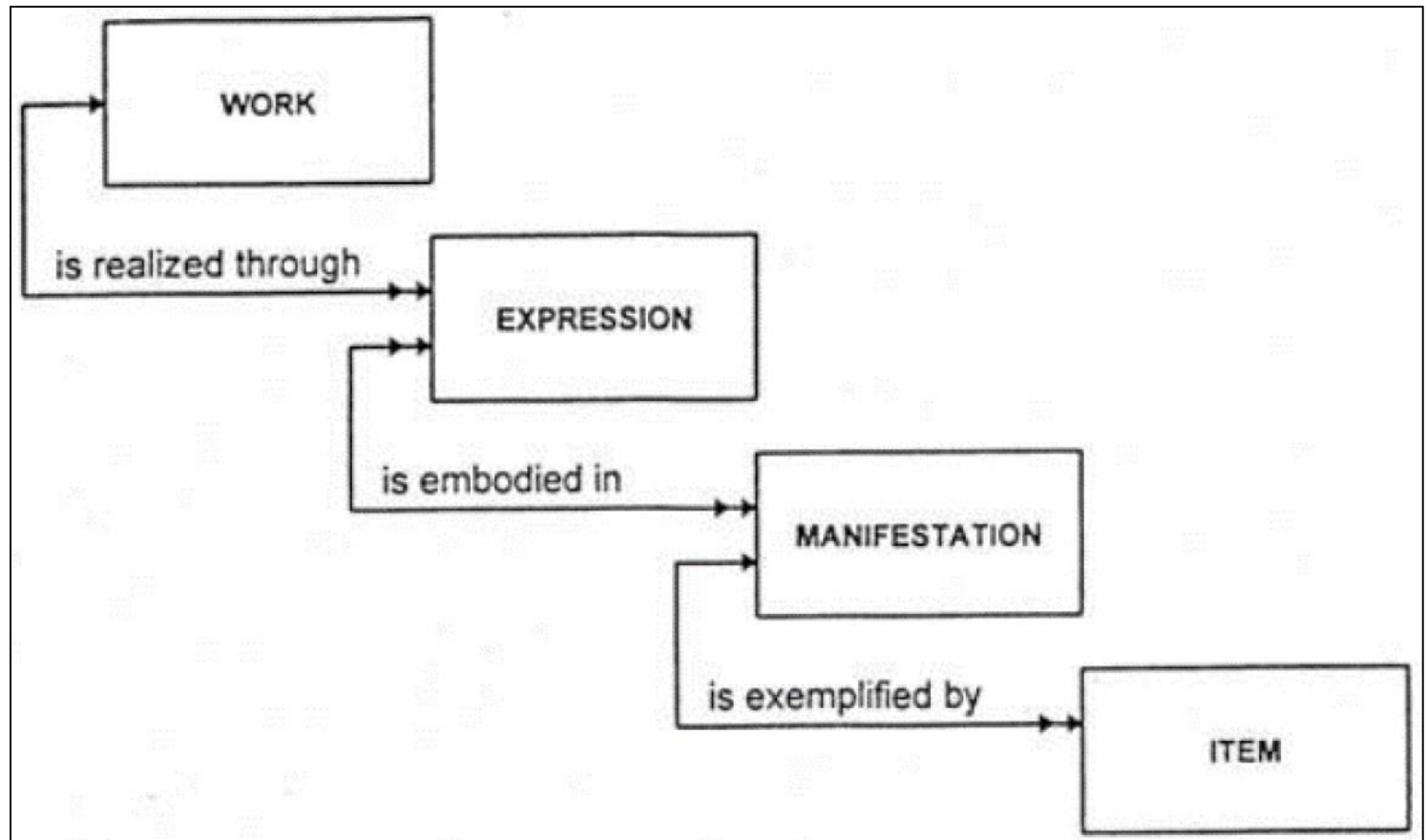
<http://www.casalini.it/EBW2018>

Before FRBR

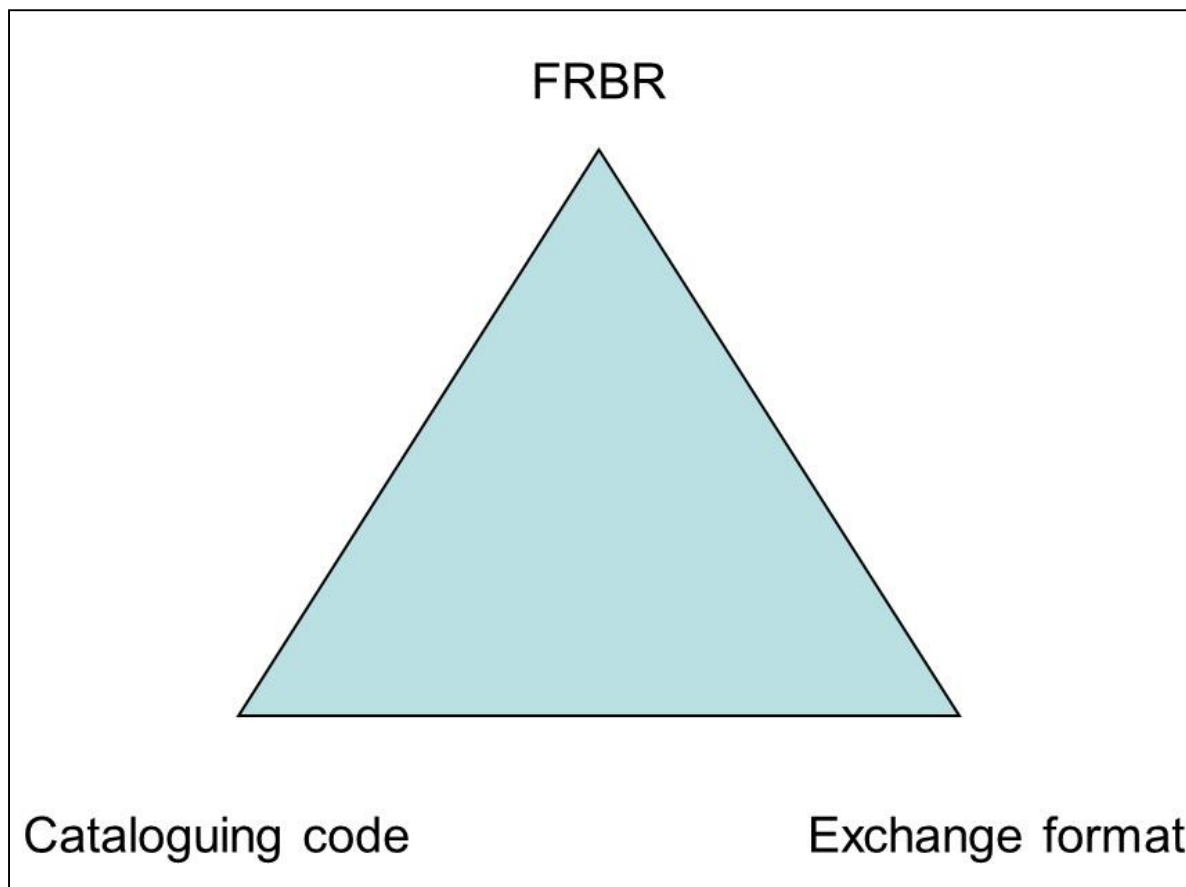
(Jean Godby,
2010)



1997: FRBR



2004: FRBR Workshop



2008

On the Record

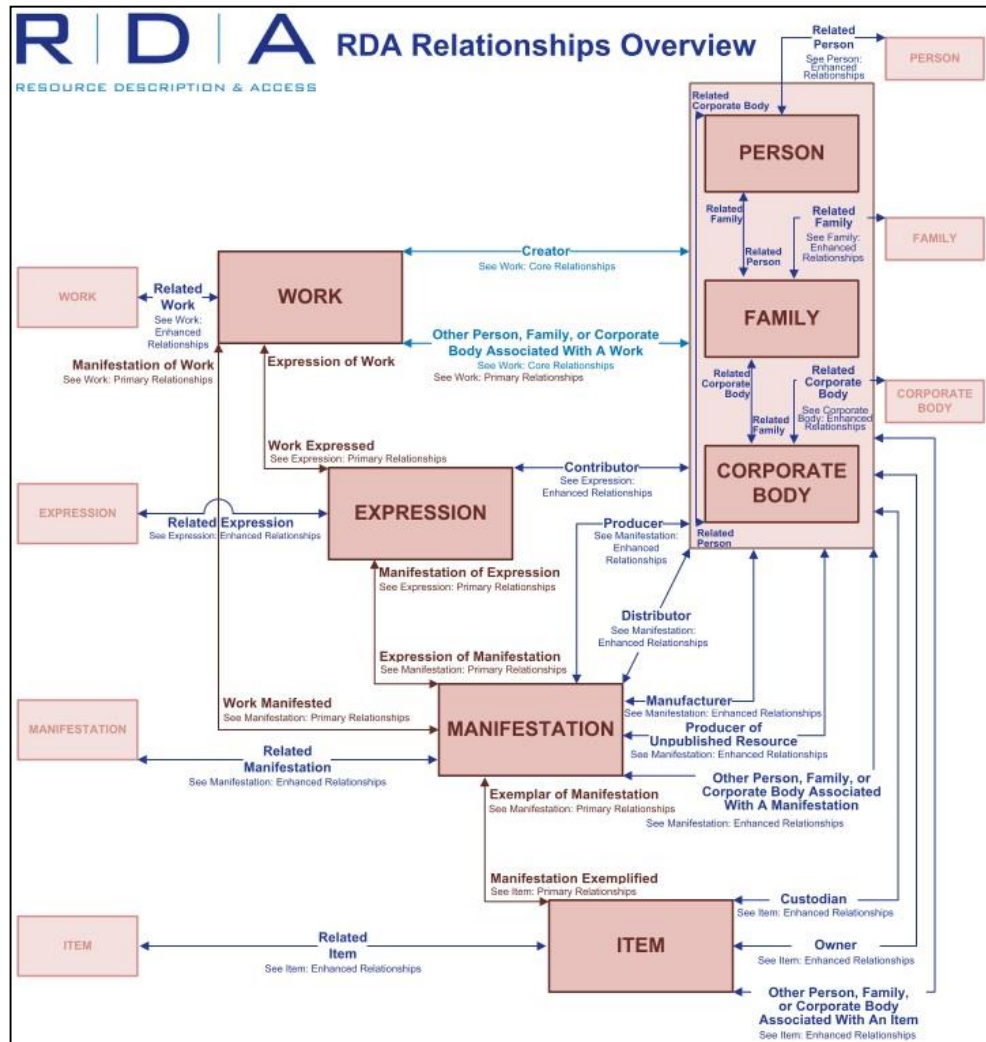
Report of

The Library of Congress Working Group
on the Future of Bibliographic Control

<https://www.loc.gov/bibliographic-future/>


<https://www.loc.gov/bibliographic-future/news/lcwg-ontherecord-jan08-final.pdf>

2009: RDA Relationships Overview



2008 - 2014: RDA in MARC

The Library of Congress >> Librarians, Archivists >> Standards

 **MARC STANDARDS**

[MARC 21 HOME](#) >> **RDA in MARC**

RDA in MARC

July 2014

MARC 21 Updates 9-18 include all changes to MARC for use with RDA *approved* through June 2014.

Content, Media and Carrier Types and Characteristics

RDA Content Types

- MARC already indicates content type in LDR/06.
- RDA contains a list of English language content types for which a **new field 336** was provided in [MARC Bibliographic](#) and in [MARC Authority](#).
- Field 336 may contain the RDA term (\$a) or a code (\$b); codes were established in MARC Update 10.
- For a table that relates the MARC LDR/06 to the corresponding RDA content terms and MARC codes for RDA content terms see: [Term and Code List for RDA Content Types](#).

RDA Media Types

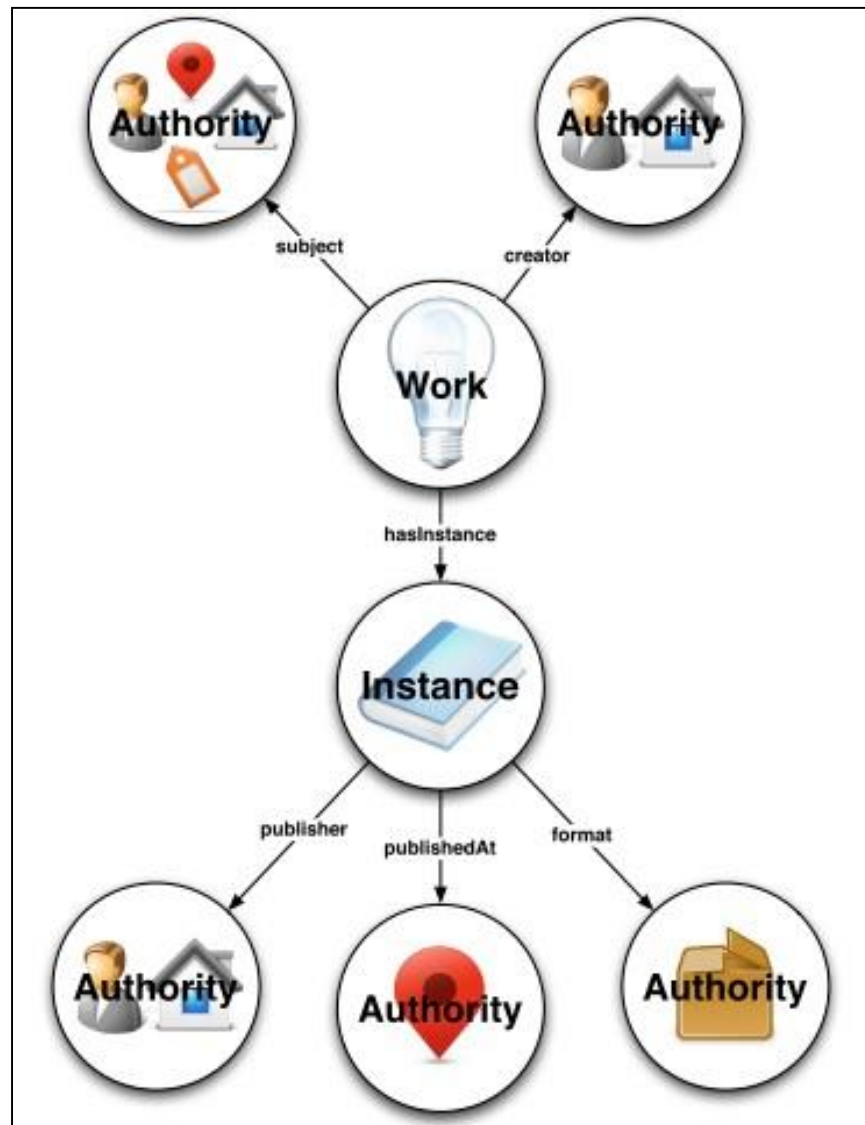
- MARC already indicates media type in field 007/00.
- RDA contains a list of English language media types for which a **new field 337** is provided in [MARC Bibliographic](#) and in [MARC Holdings](#).
- Field 337 may contain the RDA term (\$a) or a code (\$b); codes were established in MARC Update 10.
- For a table that relates the MARC 007/00 to the corresponding RDA media terms and MARC codes for RDA media terms see: [Term and Code List for RDA Media Types](#).

RDA Carrier Types

- MARC already indicates carrier type in field 007/01.
- RDA contains a list of English language carrier types for which a **new field 338** is provided in [MARC Bibliographic](#) and in [MARC Holdings](#).
- Field 338 may contain the RDA term (\$a) or a code (\$b); codes were established in MARC Update 10.
- For a table that relates the MARC 007/01 to the corresponding RDA carrier terms and MARC codes

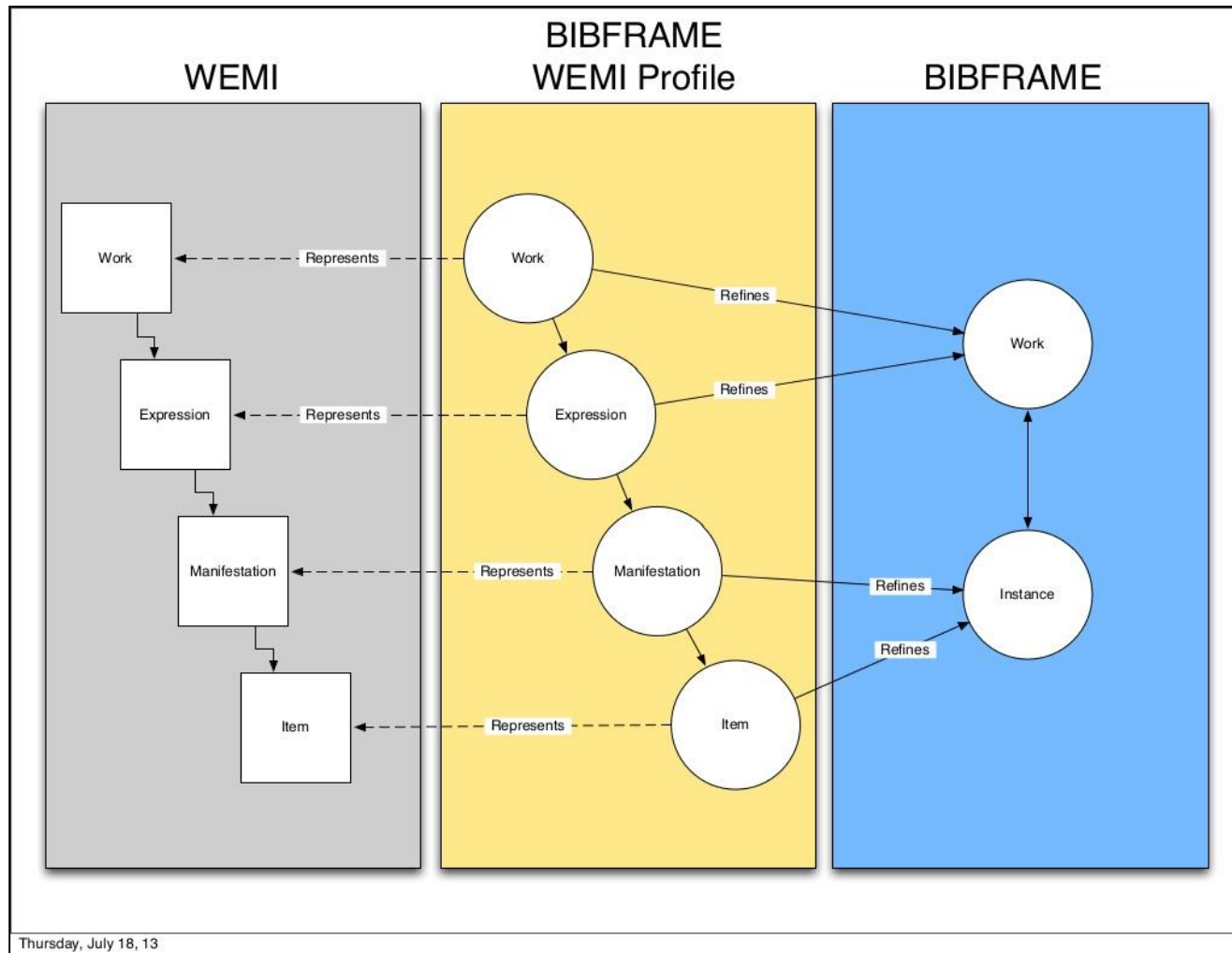
<http://www.loc.gov/marc/RDAinMARC.html>

2012: BIBFRAME



<http://www.loc.gov/bibframe/pdf/marclid-report-11-21-2012.pdf>

2013: Eric Miller Community Profiles



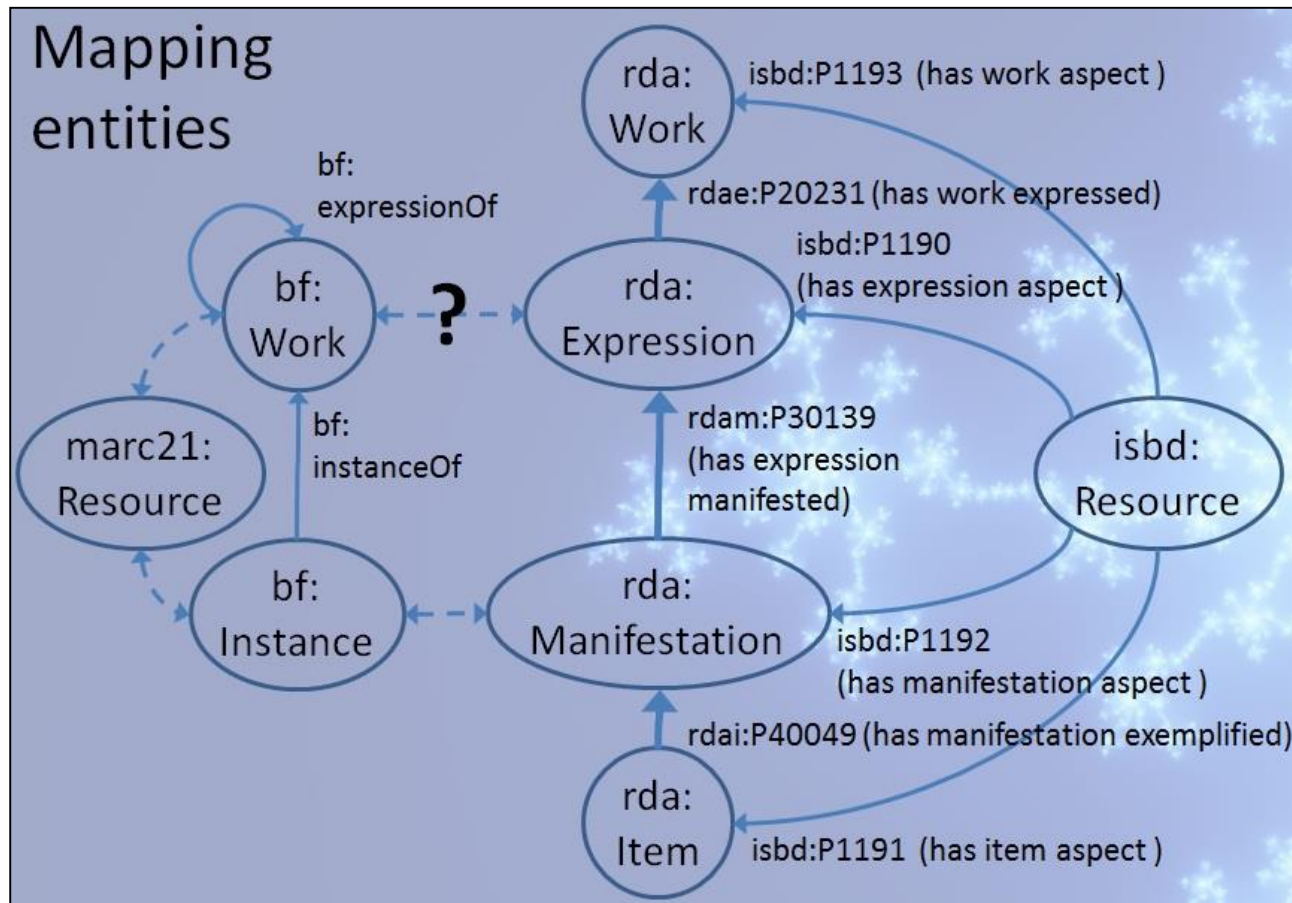
2013: Mirna Willer, Gordon Dunsire: Bibliographic Information Organization in the Semantic Web

List of abbreviations

ADMS	Asset Description Metadata Schema
BL	British Library
BNB	British National Bibliography
CASPAR Project	Cultural, Artistic and Scientific knowledge for Preservation, Access and Retrieval
CIDOC CRM	Comité International pour la Documentation Conceptual Reference Model
CKAN	Comprehensive Knowledge Archive Network
DCAM	DCMI Abstract Model
DCAP	Dublin Core Application Profile
DCMI	Dublin Core Metadata Initiative
DCT	Dublin Core terms
DSP	Description Set Profile
EAD	Electronic Archival Description
ERAD	Functional Requirements for Authority

<https://www.sciencedirect.com/book/9781843347316/bibliographic-information-organization-in-the-semantic-web>

2014: Gordon Dunsire: RDA: thinking globally, acting globally



2015/2016: Mapping of RDA to BIBFRAME

Mapping of RDA Core to BIBFRAME 2.0

August 29, 2016

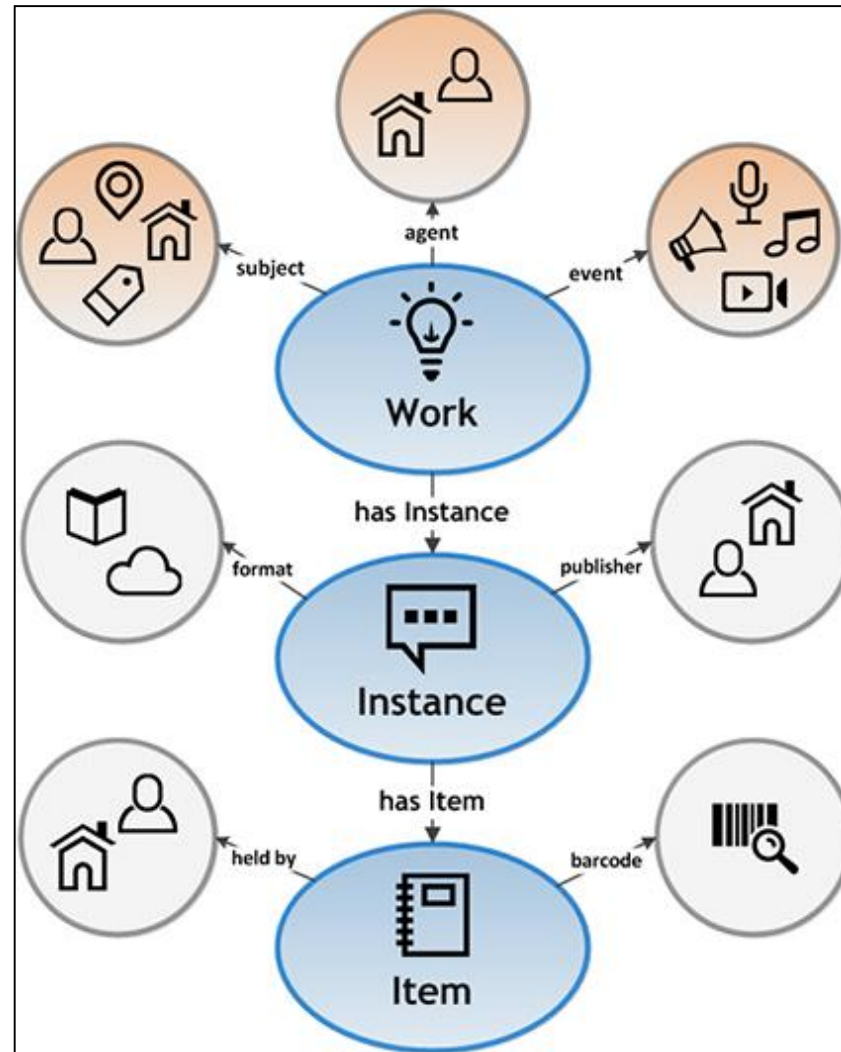
This document represents a mapping of the PCC RDA BIBCO Standard Record (April 2015) to BIBFRAME 2.0 (April 2016). The linked data serialization used for RDA is RDA/RDF (v. 2.5.1) and properties are drawn from the constrained set. The mapping is intended for a post-MARC environment and is not a mapping from RDA expressed in MARC.

The chart below contains columns for RDA instructions & elements, RDA numbers and RDA notes from the original PCC document. An occasional note has been edited or removed when it was concerned solely with MARC usage (e.g. RDA 3.3). Following these columns is the mapping itself, with a column for the RDA property corresponding to each rule and a column for a BIBFRAME mapping.

For the sake of clarity, RDA prefixes are used with transparent labels in the column of RDA properties but they are omitted in the BIBFRAME column because the prefix is the same for all properties. The RDA column contains both transparent and opaque labels.

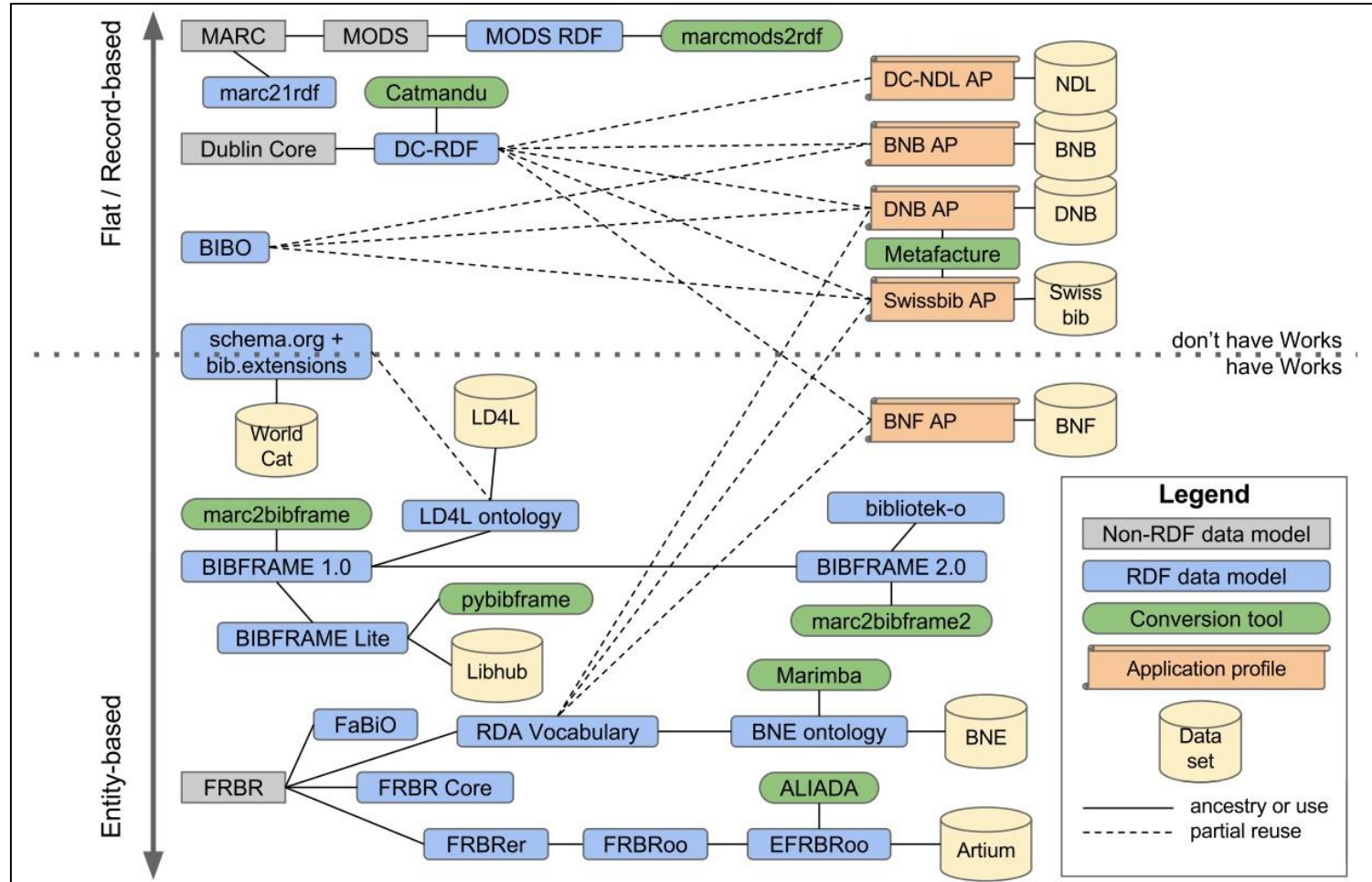
<http://www.lib.washington.edu/msd/pubcat/ld/rda-bibframe-mapping>

2016: BIBFRAME 2.0



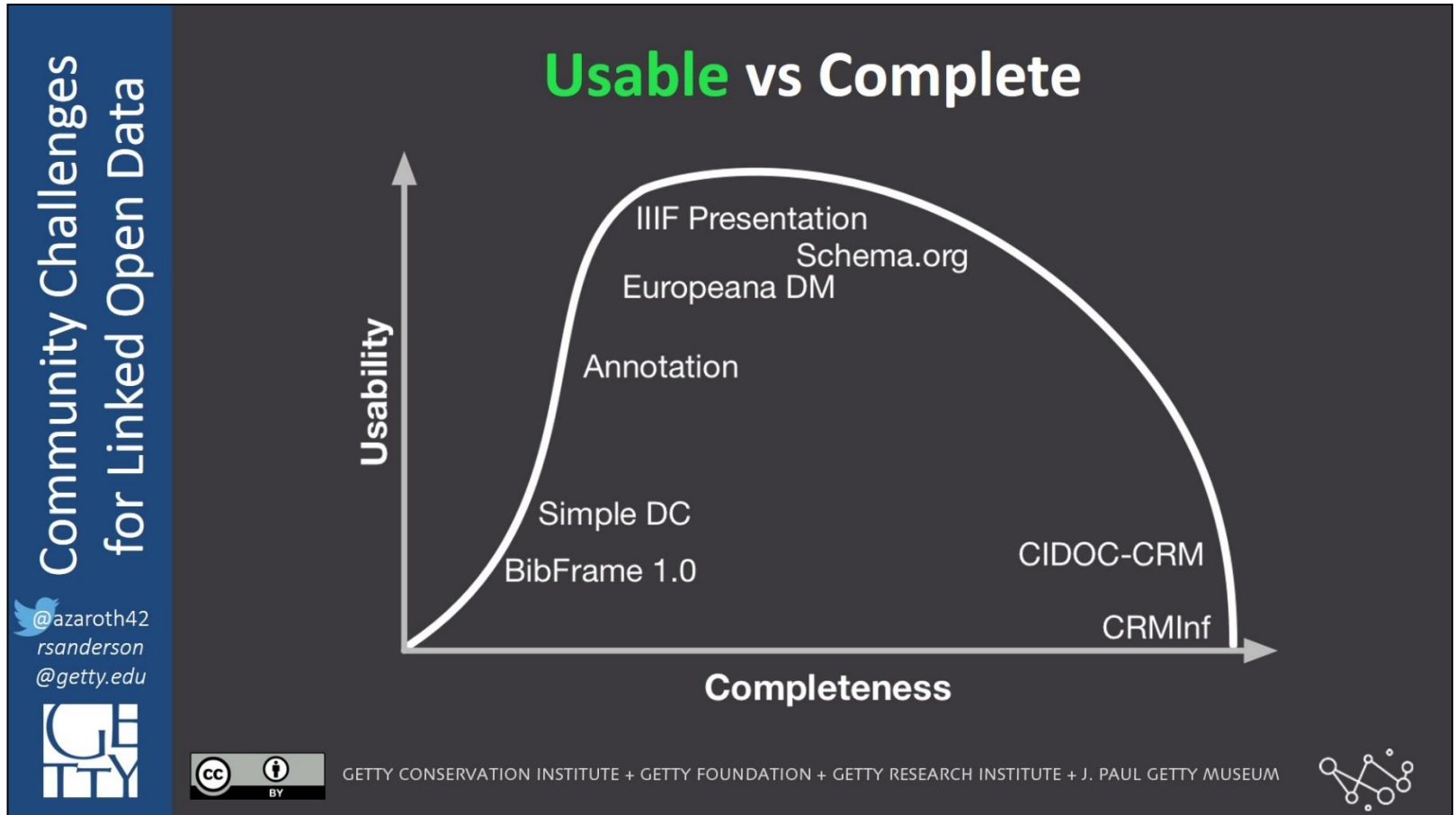
<http://www.loc.gov/bibframe/docs/bibframe2-model.html>

2016/2017: Osma Suominen: "Family Forest"



http://swib.org/swib16/slides/suominen_silos.pdf
<https://www.o-bib.de/article/view/2017H2S1-13>

2016: Robert Sanderson



<https://www.slideshare.net/azaroth42/community-challenges-for-practical-linked-open-data-linked-pasts-keynote>

2017: Steven Folsom

bibliotek-o and RDA

Balancing Current Practice with Long Term Goals

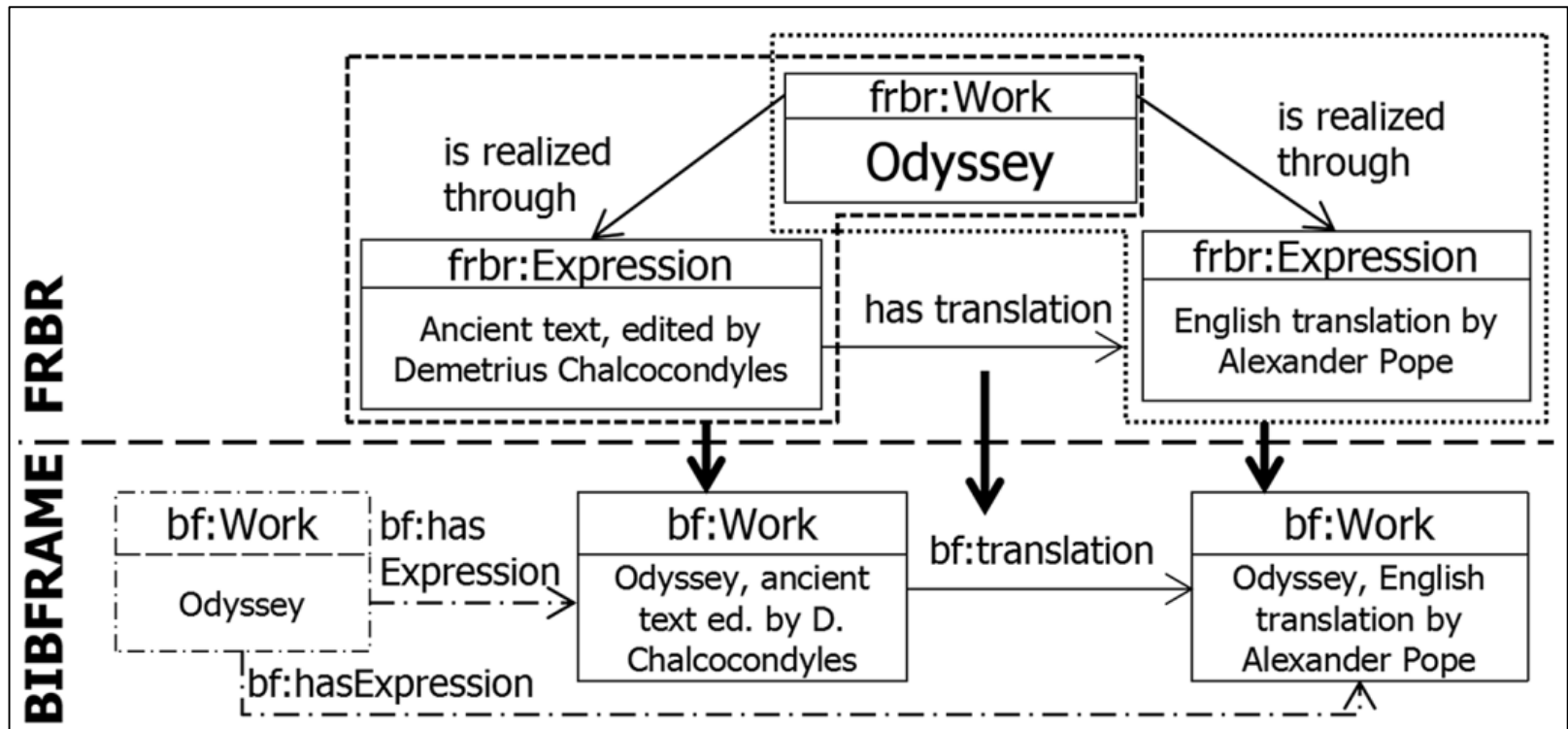
The [bibliotek-o framework](#) is built largely on [BIBFRAME 2.0](#) (BF). Neither BF nor bibliotek-o is a “pure” implementation of RDA; RDA/RDF was created to serve that purpose, but has not so far found wide adoption. This paper describes the approach bibliotek-o takes to implementing RDA as a content standard and the reasoning behind that approach.

Like BF, bibliotek-o recognizes [Resource Description & Access](#)’ (RDA) prominent position in the bibliographic cataloging landscape and attempts to strike a balance between current cataloging rules outlined in RDA and flexibility in our practices to create and consume linked data according to practices established on the greater semantic web. To ensure a smooth transition to linked data, we need to show sensitivity to our cataloging colleagues, who have invested heavily in RDA training; ultimately, there will be a transition. This evolution is not beyond the ability or experience of catalogers; large portions of library cataloging practice is already outside the bounds of strict RDA, especially if we consider our non-MARC workflows.

Although RDA has been widely adopted in the MARC community, the constraints of the MARC format mean that current RDA implementations are incomplete in their scope and highly colored by legacy practices. At the same time, RDA itself is based on a model that would arguably benefit from reevaluation in the light of semantic web best practices. Both as an ontology and as a community enterprise, bibliotek-o seeks as one of its primary research objectives to help

https://wiki.duraspace.org/download/attachments/79795231/bibliotek-o_and_RDA201708.pdf

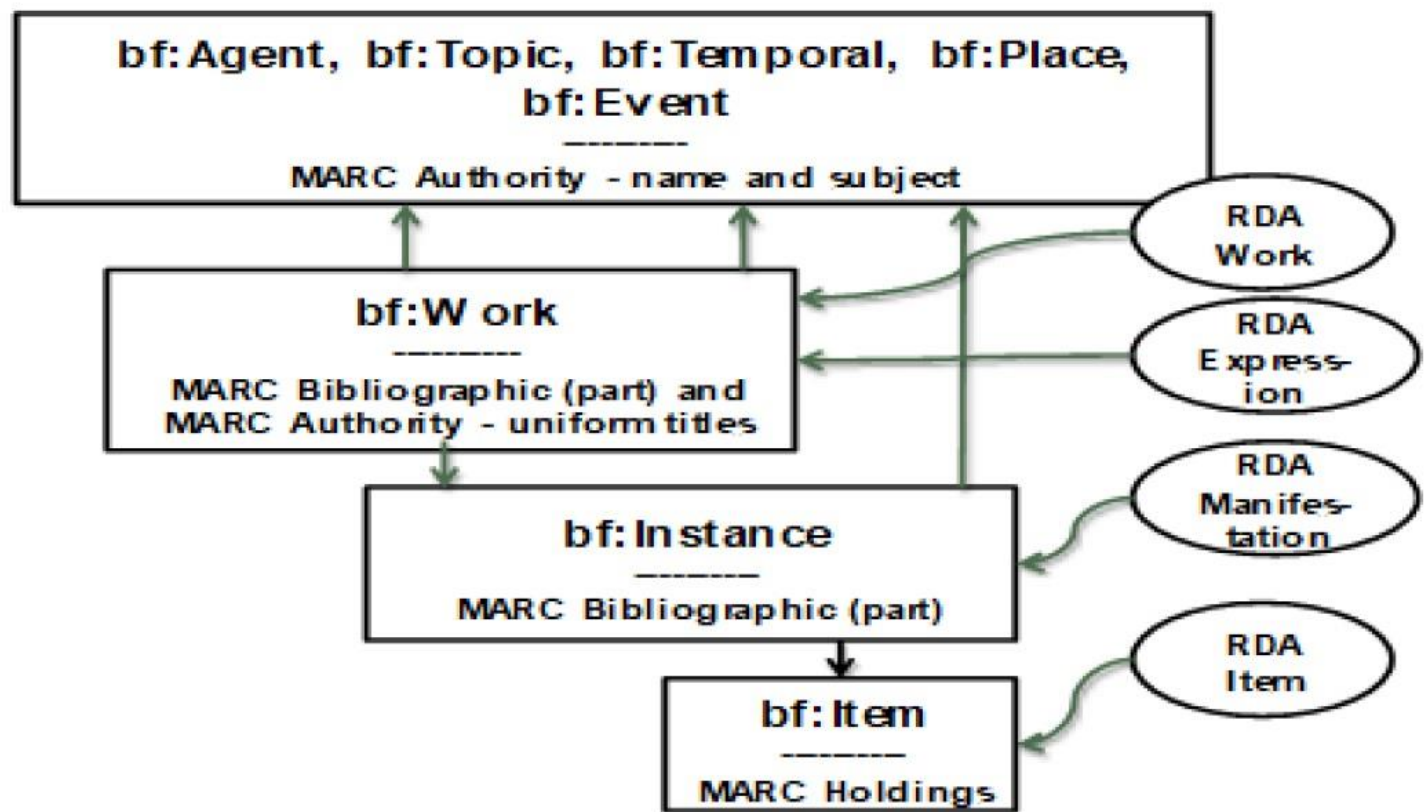
2017: Sofia Zapounidou, Michalis Sfakakis, Christos Papatheodorou: Preserving Bibliographic Relationships in Mappings from FRBR to BIBFRAME 2.0



https://wiki.dnb.de/download/attachments/125433008/Sfakakis_EU_BIBFRAME2017.pdf

2017: Sally McCallum

MARC, BIBFRAME, and RDA










https://wiki.dnb.de/download/attachments/125433008/Denmark-Focus_for_BIBFRAME.pdf

2017: Jodi Williamschen


BIBFRAME editor

- Some standard values are pre-supplied and are specific to each format


Media type (RDA 3.2)	Media type (RDA 3.2) unmediated  
Extent (RDA 3.4)	Extent (RDA 3.4)
Dimensions (RDA 3.5)	Dimensions (RDA 3.5)
Carrier Type (RDA 3.3)	Carrier Type (RDA 3.3) volume  
Media type (RDA 3.2)	Media type (RDA 3.2) audio  
Carrier Type (RDA 3.3)	Carrier Type (RDA 3.3) audio disc  
Extent (RDA 3.4)	Extent (RDA 3.4)
Dimensions (RDA 3.5)	Dimensions (RDA 3.5)

https://wiki.dnb.de/download/attachments/125433008/EUBF2017_Williamschen.pdf


2017: IFLA LRM



International Federation of
Library Associations and Institutions



IFLA Library Reference Model
A Conceptual Model for
Bibliographic Information



Pat Riva, Patrick Le Bœuf, and Maja Žumer

Consolidation Editorial Group
of the IFLA FRBR Review Group

Definition of a conceptual reference model to provide a framework for the
analysis of non-administrative metadata relating to library resources

<https://www.ifla.org/publications/node/11412>

https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017_rev201712.pdf

2017 ff.: RDA Toolkit Restructure and Redesign Project (3R)

New RDA Entities

- RDA Entity
- Nomen
- Place
- Timespan

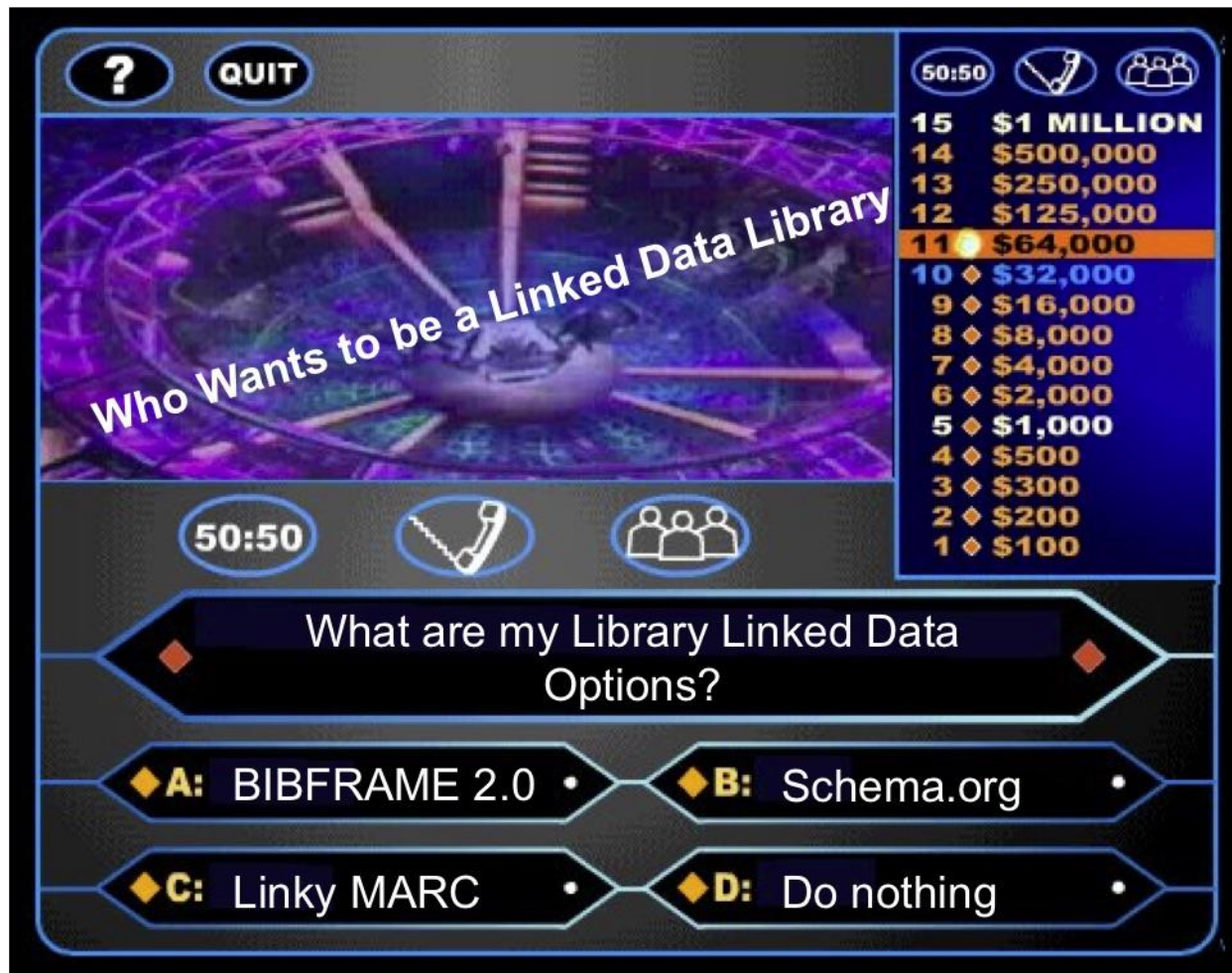
New RDA Guidance

- Recording Methods
- Manifestation Statements
- Representative Expressions
- Data Provenance
- Diachronic Works

<https://www.rdatoolkit.org/3RProject>

<http://www.gordondunsire.com/pubs/pres/M21AndRDA.pptx>

2018: Richard Wallis



<https://dataliberate.com/2018/05/22/the-three-linked-data-choices-for-libraries/>
<http://library.ifla.org/2124/>

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