
Art & Rare Materials BIBFRAME

Ontology Extension :

from Modeling to Implementation

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Linked Data for Production (LD4P)



Native RDF cataloging & ontology extensions

Collaborations with community partners

Community-developed extensions of BIBFRAME

THE
ANDREW W.

MELLON
FOUNDATION

Generously funded by the Andrew W. Mellon Foundation

Motivation

BIBFRAME
IS
COMING

Art & Rare Materials BIBFRAME Ontology Extension

Developed as a collaboration between:

- LD4P's partner Institutions: Cornell and Columbia
- RBMS' Bibliographic Standards Committee
- ARLIS' Cataloging Advisory Committee

GitHub Repository: <https://github.com/LD4P/arm>

Wiki: <https://wiki.duraspace.org/x/CpTBB>



Rare Books and Manuscripts Section

Association of College and Research Libraries
A Division of the American Library Association

ARLIS/NA

ART LIBRARIES SOCIETY of NORTH AMERICA

Areas modeled (Art and Rare)

Accession Numbers

Attributions

Awards

Bibliographic Citations

Bindings

Carriers and Bound-withs

Custodial History

Exhibitions

Fonts, Handwriting & Notations

Limitation Statements

Markings

Materials

Measurements

Notes in Art

Pagination and Foliation

Physical Condition

Signature Statements

Style and Period

Titles in Art

Modularized Ontologies

Core (ARM)

Awards

Custodial History

Measurements

Source ontologies (for use as defined in Application Profiles):
BIBFRAME, dcterms, schema, and more...

Application Profiles

- Specifies decisions
- Determines local / shared requirements

SHACL (SHAPes Constraint Language)

- Facilitates: form development & data validation

*Note: more files around which to learn semantics and to then maintain over-time

Steven Folsom (@sf433) led work on SHACL for rare monographs

Melanie Wacker <mw2064@columbia.edu> led work on SHACL for art materials

Testing the model

Home | Works | Instances | Items | People | Organizations |

Admin Panel [Edit this individual](#)

Verbose property display is off | [Turn on](#)

Resource URI: <http://vitrolib-arm.ld4p.library.cornell.edu/individual/n3460>

Discorsi sopra la prima deca di Tito Livio | Instance | (instance) [🔗](#)

Titles

Instance Carrier Type

Instance Genre

Instance Agents And Roles

Instance Parts And Accompaniments

Instance Physical Description

Instance Of Work

Has Item

Bibliographic Citations For The Instance

Awards Received

Instance Notes

Instance Identifiers

Other

View All

Titles

Preferred title

[Discorsi sopra la prima deca di Tito Livio](#) | [✎](#) [🗑️](#)

Other title [+](#)

Instance Carrier Type

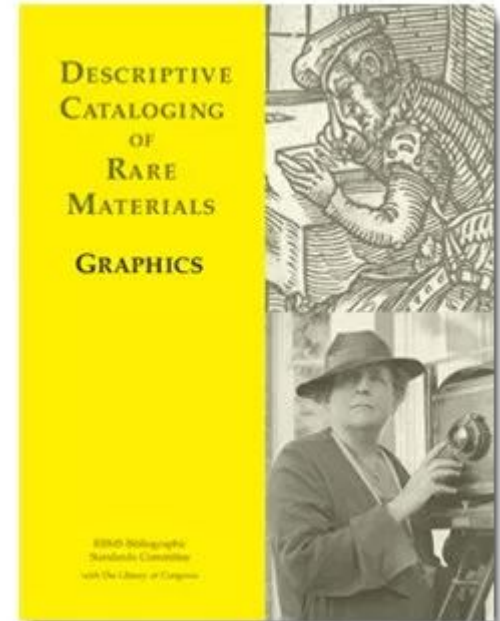
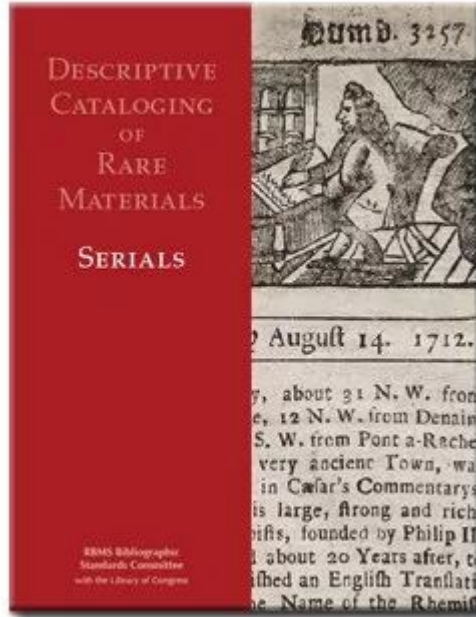
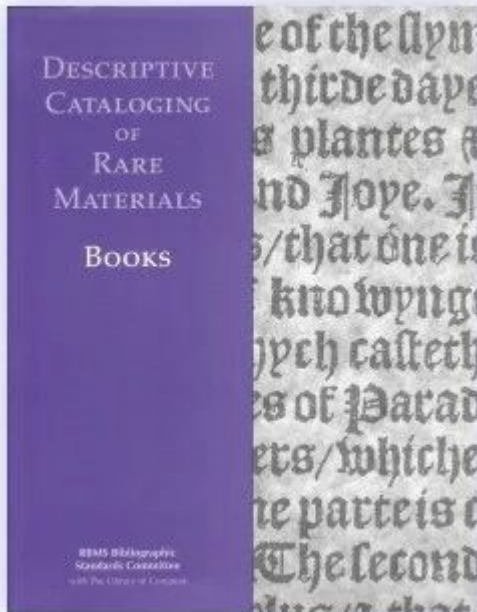
What does implementation mean?

- Further development
- Hosting & maintenance
- Tool advocacy
- Data creation

In other words: Community engagement


RBMS Bibliographic Standards Committee activity

Content standards (cataloging manuals)




RBMS Bibliographic Standards Committee activity

Thesauri



R B M S
Rare Books and Manuscripts Section
Association of College and Research Libraries
A Division of the American Library Association

Home >> Committees >> Bibliographic Standards Committee

Search the RBMS website: 

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- [Conferences](#)
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- [About RBMS](#)

RBMS Controlled Vocabularies: Binding Terms

Alphabetical List | Hierarchical List

[<< Greek style bindings](#) | [Grotesque bindings](#) | [Hierarchical View](#) | [Guard books >>](#)

[Back to: "G"](#)

Grotesque bindings

Scope Note

16th century; decorated with grotesque figures, usually classical.

Broader Term

[Styles \(Gathering term; do not assign\)](#)

Send comments to [RBMS Controlled Vocabularies editors](#).

RBMS Bibliographic Standards Committee activity

Occasional contributions to MARC 21 development

For example:

- 510 field, for bibliographic citations
- 590 field, for item-specific notes
- 752 field, for hierarchical place of publication

RBMS Bibliographic Standards Committee activity

And ...

The Art & Rare Materials BIBFRAME Ontology Extension



2018.06.22: BSC voted to commit to developing and maintaining
the Art & Rare Materials BIBFRAME Ontology Extension

Next Steps for BSC - Development

- Further modeling & ontology development
- Further application profile development
- Testing models
- Identifying long-term hosting solutions

BSC - ARM: Collaboration

Who?

- communities of aligned interest
- technical services, ontologist and developers

Why?

- broadening perspectives & expertise
- bandwidth

ARM is a great example of collaboration

Thank You!
