Community-Building and Extending BIBFRAME for Special Collections

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3rd Annual BIBFRAME Workshop in Europe (Stockholm, Sweden)  
2019-09-17
Goal

- Sharing two efforts around extending BF for Special Collections
- Hear what European colleagues are doing for these materials
- Build relationships for ongoing engagement
Art & Rare Materials

BIBFRAME Ontology Extension (ARM)
ARM's Beginnings

Supported by LD4P 2016-2018

Two projects: ArtFrame & RareMat

Partnership between ARLIS/NA, RBMS and multiple institutions
ARM Modeling Areas

Accession Numbers  Markings
Attributions        Materials
Awards             Measurements
Bibliographic Citations  Notes in Art
Bindings
Carriers and Bound-withs  Pagination and Foliation
Custodial History     Physical Condition
Exhibitions
Fonts, Handwriting & Notations  Signature Statements
Limitation Statements     Titles in Art

Modularized Ontologies

Core (ARM)  https://github.com/LD4P/arm/tree/master/core/ontology/0.1
Awards  https://github.com/LD4P/arm/tree/master/award/ontology/0.1
Custodial History  https://github.com/LD4P/arm/tree/master/custodial_history/ontology/0.1
Measurements  https://github.com/LD4P/arm/tree/master/measurement/ontology/0.1

Activity  https://github.com/LD4P/arm/tree/master/activity/ontology/0.1

*Activity ontology will be deprecation in favor of BF Contribution model*
Documentation

Detailed documentation of each model, with model overviews, diagrams, RDF samples, term specification, etc.

A set of ontologies & controlled vocabularies

Application profiles (formalized in SHACL)

Recommendations for future work
Measurement Model

- Work/Instance/Item
  - resource1
    - hasMeasurementGroup
      - mg1
        - dcterms:description
          - “approximate”, “or smaller”, etc.
        - hasMeasurement
          - m1
            - measures
              - “Length: 10 cm”
            - rdf:label
              - external controlled vocabulary: length, width, radius, weight, etc.
          - m2
          - m3
            - external controlled vocabulary: cm, mm, lb, bytes, pixels, etc.
            - hasUnit
              - rdf:value
                - “10”
            - Measurement
ARM's Present

Joint Task Force of: January 2019 - January 2021

- Association of College and Research Libraries' Rare Books and Manuscripts Section: Bibliographic Standards Committee
- Art Libraries Society of North America: Cataloging Advisory Committee
- Society of American Archivists: Standards Committee
Task Force's Activities & Future Efforts

On-the-ground

- Review, deprecate and expand existing ARM modeling
- Incorporate Archives use cases
- Seek approval of outputs by sponsor organizations
- Identify hosting solution
- Secure ongoing commitment to support ARM's development
Task Force's Activities & Future Efforts

Aspirational

- Work with the Library of Congress to further define the relationship between the core ontology (BIBFRAME) and the ARM extension
- Work with the Program for Cooperative Cataloging (PCC) to incorporate ARM into application profiles
LD4P Rare Materials Affinity Group
(RM-AG)
RM-AG's Charge & Membership

Seeks to make use of the collective expertise across the member and cohort institutions to discuss needs and challenges particular to rare materials, and to coordinate the development of resources to support our work.

Cross-over membership between ARM and RM-AG
Variety of Objects Being Cataloged

Rare books, auction catalogs, web archives, graphic materials, artworks, realia and kits, video games, comic books and ephemera

11 institutions engaging in this group
Use Cases

**Story:** As a researcher, I have found a copy of a sammelband (bound-with) in the catalog. I want to be able to quickly identify everything that has been with this object...

**User Type:** Book History Scholar

**Functional Need:** Determine the material evidence of former uses of the book

**Objective:** provenance, related items, discovery

**Relevant Entities:** Item
Developing Profiles Using ARM Ontology

Questions regarding ARM application can be discussed and worked through at the affinity group meetings.

Are uploaded into GitHub and can be accessed by other LD4P institutions and beyond.

The group uses a google doc detailing institution’s profiles: the scope, further development plans, and relevant notes (under development).
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<th>Element</th>
<th>Works as expected?</th>
<th>Comments/Bugs</th>
<th>Enhancement/Development requests</th>
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Questions?
Comments?
Opportunities?