### Performed Music Ontology

#### About the Performed Music Ontology

The Performed Music Ontology project aims to develop a BIBFRAME-based ontology for performed music in all formats, with a particular emphasis on clarifying and expanding on the modelling of works, events, and their contributors. The work is a collaborative effort of Stanford University, the Music Library Association (MLA), the Association for Recorded Sound Collections (ARSC), the Library of Congress, and the PCC, with participation of LD4P partner institutions.

- Stanford Project Proposal
- Timeline (initial)

#### Deliverables

- Written evaluation of the BIBFRAME ontology in describing performed music, including a set of use cases to justify extending and/or expanding the ontology.
- Linked data ontology with a BIBFRAME core with for describing performed music.
- RDA profile to complement the ontology for shared use by the library community, including list of preferred vocabularies.
- Representative selection of resource descriptions created using the Performed Music Ontology.
- Best practices for augmenting and/or manipulating performed music MARC bibliographic records to improve conversion to the Performed Music Ontology.
- Evaluation of the project findings with a set of recommendations for further research and development.
- Presentation of project findings to appropriate library and linked data communities.

#### Current Activities

**Analysis/Modeling**

- Finalizing modeling of performers, medium of performance, and events in relation to works; basic model for dealing with aggregate works.

**Community Engagement**

- Analysis & critique of modeling papers by Music Library Association Linked Data Working Group
- Working with Library of Congress to have LC host PMO

**Tool Exploration / Requirements Definition**

- PMO in Protégé
- PMO in github
- PMO vocabularies in github

**Collaboration**

- gathering of use cases from members of MLA and ARSC
- exploration of event models by Linked Data Working Group of MLA (LuDWig)
- medium of performance modeling shared with RSC Music Working Group
- sharing of data models for events and medium of performance with Library of Congress
- addition of medium of performance model to LC Editor templates
Team

Nancy Lorimer (lead) (Stanford)
Kirk-Evan Billet (MLA; Peabody Institute-Johns Hopkins)
Greta de Groat (Stanford)
Arcadia Falcone (Stanford)
Caitlin Hunter (ARSC; LC)
Kevin Kishimoto (Stanford)
Wendy Sistrunk (ARSC; U Missouri, Kansas City)
Jim Soe-Nyun (MLA; UC San Diego)
Hilary Thorsen (Stanford)
Valerie Weinberg (LC)

Completed Work

Analysis/Modeling

- Gathered existing use cases for performed music metadata and developed further use cases.
- Surveyed existing linked data efforts related to performed music.
- Preliminary position paper on titles (submitted to all ontology group).
- Analyzed BIBFRAME and added classes and properties relevant to performed music.
- Submitted added classes of bf:Identifier, definition changes to music-related bf:Identifier subclasses, and bf:Identifier subclass changes to LC.
- Modeled performed-music-specific concepts including thematic catalog and opus numbers and musical key and mode.
- List of all classes, properties, individuals in PMO (updated 2018-07-03)

Analysis and modeling papers:
- Use cases
  - Events (updated 2018-06-27)
  - Medium of performance. Part 1 (updated 2017-09-10)
  - Medium of performance. Part 2 (updated 2017-09-10)
  - Medium of performance. Part 3 (updated 2017-09-27)
  - Works. Part 1 (Draft–added 2017-12-05; corrected 2017-12-09)
  - Works. Part 2, Compilations (Updated Draft–2018-07-03)

- Mappings:
  - MARC 382 field to PMO (Drafty)

Presentations

- **Love from Afar:** Modeling music audio & video recordings in BIBFRAME, the Performed Music Ontology, and Beyond. presentation by Nancy Lorimer, OLAC general meeting, ALA Annual, Chicago IL, June 2017.
- **Modeling Metadata for Sound Archives:** extending BIBFRAME 2.0 for archival sound resources presentation by Caitlin Hunter & Nancy Lorimer, ARSC, San Antonio, TX, May 2017.
- **Linked Data for Production:** Stanford Projects presentation by Nancy Lorimer, Bibliothèque Nationale de France, February 2017.
- **Linked Data for Performed Music:** a performed music ontology extension to BIBFRAME 2.0 presentation by Kevin Kishimoto & Nancy Lorimer, Music Library Association Annual Meeting, Orlando, Fla., February 2017.
- **Linked Data for Performed Music:** an extension to BIBFRAME 2.0 for production & archival cataloging of sound recordings & music videos presentation by Nancy Lorimer, BIBFRAME Update Forum, ALA Midwinter, Atlanta, Ga., January 2017.
- **BIBFRAME beyond books:** explorations in extending BIBFRAME 2.0 to improve discovery of performed music presentation by Nancy Lorimer & Michelle Futornick, PCC Participants’ Meeting, ALA Midwinter, Atlanta, Ga., January 2017.
- **Linked Data for Performed Music:** a Linked Data for Production project presentation by Nancy Lorimer, Heads of Cataloging Interest Group, ALA Annual, Orlando, 2016.