

## Variations/FRBR: User Guide – July 2011 RDF Export and the V/FRBR Ontology

The chief objective of the V/FRBR: Variations as a Testbed for the FRBR Conceptual Model project is to provide the library community with a tangible understanding of what it means to implement FRBR in a production system. In addition to the two sets of FRBR-compliant XML schemas and sample instance documents, an RDF binding of V/FRBR project data has been developed for the purpose of a better understanding FRBR's use in linked data applications.

The Variations/FRBR team has released a set of documents to aid those interested in implementing FRBR as part of the vision of the Semantic Web: the Variations/FRBR Ontology, a set of RDF templates, and sample instance documents of our FRBRized bibliographic data.

The Variations/FRBR Ontology makes it possible to add music specific bibliographic semantic information to the World Wide Web. The V/FRBR Ontology attempts to provide a vocabulary for linking a wide range of music related bibliographic information and is available in OWL at: (<http://vfrbr.info/data/rdf/index.shtml/>).

The Functional Requirements for Bibliographic Records ontology is the backbone of the V/FRBR Ontology. Leveraging the interoperability of the V/FRBR Ontology, the core is comprised of eight ontologies:

FRAD (<http://iflastandards.info/ns/fr/frad/>)

FRBR (<http://iflastandards.info/ns/fr/frbr/frbrer/>)

FRBR Entities for RDA (<http://RDVocab.info/uri/schema/FRBREntitiesRDA/>)

RDA Group 1 Elements (<http://RDVocab.info/Elements/>)

RDA Group 2 Elements (<http://RDVocab.info/ElementsGr2/>)

RDA Group 3 Elements (<http://RDVocab.info/ElementsGr3/>)

RDA Roles (<http://RDVocab.info/roles/>)

Music Ontology (<http://purl.org/ontology/mo/>)

The set of RDF design templates is made up of 35 documents intended to provide a view of the RDF vocabularies used in the mapping of our FRBRized relational database to RDF graphs. This documentation provided the basis for the design of the Variations/FRBR Ontology. The templates are available as a zip file linked from this page:

<http://vfrbr.info/data/rdf>

The V/FRBR instance documents are designed to express two levels of specificity in our data representation, strict *frbr* implementation and an extension (*efrbr*) intended to be usable for the production descriptions of music resources and as a model for other domain-specific FRBR Semantic Web implementations. RDF Views for FRBR Work, Expression, Manifestation, Person and

Corporate Body are available in two forms: xml files each containing a batch of records, and a complete compressed set of records (at either the frbr or efrbr level). All data files are linked from the same page mentioned above.

It is important to note that as of July 2011 we have not yet set up content negotiation on the vfrbr.info site. Therefore, the vfrbr.info references in the RDF export are not yet resolvable. We hope to make this functionality available in the near future.