The Created Work

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WORK
is realized through
EXPRESSION
is embodied in
MANIFESTATION
is exemplified by
ITEM
Sample non-library uses of FRBR concepts

- FaBiO – FRBR-aligned Bibliographic Ontology
- Akoma-Ntoso – Use of FRBR entities to describe legal document versions
- FRIR – Functional Requirements of Information Resources
- The Music Ontology
print object

IRI: http://purl.org/spar/fabio/PrintObject
An analog manifestation in physical printed form, typically on paper.

has super-classes
  analog manifestation

has sub-classes
  hardback, paperback

:printed-issue a fabio:Paperback ;
  dcterms:publisher :springer ;
  prism:publicationDate "2007-06"^^xsd:gYearMonth ;
  frbr:part :printed .
FaBiO – FRBR Aligned Bibliographic Ontology

**print object**

**IRI:** http://purl.org/spar/fabio/PrintObject

An analog manifestation in physical printed form, typically on paper.

**has super-classes**

- analog manifestation

**has sub-classes**

- hardback
- paperback

**work**

**IRI:** http://purl.org/spar/fabio/Work

A subclass of FRBR work, restricted to works that are published or potentially publishable, and that contain or are referred to by bibliographic references, or entities used to define bibliographic references. FaBiO works and their expressions and

back to ToC or Class ToC
Akoma-Ntoso – an XML schema for legal documentation

```xml
<xsd:sequence>
    <xsd:element ref="FRBRWork"/>
    <xsd:element ref="FRBRExpression"/>
    <xsd:element ref="FRBRManifestation"/>
    <xsd:element ref="FRBRItem" minOccurs="0" maxOccurs="1"/>
</xsd:sequence>

<xsd:sequence>
    <xsd:element ref="FRBRthis"/>
    <xsd:element ref="FRBRuri" minOccurs="1" maxOccurs="unbounded"/>
    <xsd:element ref="FRBRalias" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element ref="FRBRdate" minOccurs="1" maxOccurs="unbounded"/>
    <xsd:element ref="FRBRauthor" minOccurs="1" maxOccurs="unbounded"/>
    <xsd:element ref="componentInfo" minOccurs="0" maxOccurs="1"/>
    <xsd:element ref="preservation" minOccurs="0" maxOccurs="1"/>
</xsd:sequence>
```
<table>
<thead>
<tr>
<th><strong>URI:</strong></th>
<th><a href="http://purl.org/ontology/mo/MusicalWork">http://purl.org/ontology/mo/MusicalWork</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Label:</strong></td>
<td>musical work</td>
</tr>
<tr>
<td><strong>Status:</strong></td>
<td>stable</td>
</tr>
<tr>
<td><strong>Subclasses:</strong></td>
<td>Movement</td>
</tr>
<tr>
<td><strong>Parent Class:</strong></td>
<td><a href="http://purl.org/vocab/frbr/core#Work">http://purl.org/vocab/frbr/core#Work</a></td>
</tr>
<tr>
<td><strong>Properties:</strong></td>
<td>arranged_in, composed_in, iswc, movement, opus, lyrics</td>
</tr>
</tbody>
</table>
Functional Requirements of Information Resources
Subclasses of FRBR entities

- FaBiO Work
- MusicO Work
- Akoma Work
- FRIR Work

FRBR Core

WORK
is realized through
EXPRESSION
is embodied in
MANIFESTATION
is exemplified by
ITEM
Subclasses? or not?
created work

FaBiO Work

MusicO Work

Akoma Work

FRIR Work

FRBR/LRM

- WORK
  - is realized through
    - EXPRESSION
    - is embodied in
      - MANIFESTATION
        - is exemplified by
          - ITEM
Created Works Ontology

- created work
- created expression
- created manifestation
- created item

Akoma-Ntoso
Library Reference Model
FRIR
FaBiO
any entity can be iterative (e.g. a work of a work)

any entity can have relationships/links to any other entity

no entity has an inherent dependency on any other entity

any entity can be used alone or in concert with other entities

no entities are disjoint

anyone can define additional entities or subclasses

individual profiles using the model may recommend or limit attributes and relationships, but the model itself will not have restrictions
CrWO
(pronounced CROW?)

- any entity can be iterative (e.g. a work of a work)
- any entity can have relationships/links to any other entity
- no entity has an inherent dependency on any other entity
- any entity can be used alone or in concert with other entities
- no entities are disjoint
- anyone can define additional entities or subclasses
- individual profiles using the model may recommend or limit attributes and relationships, but the model itself will not have restrictions
Thank you and links

• http://purl.org/spar/fabio/
• http://www.akomantos.org/ (also: https://github.com/oasis-open/legaldocml-akomantoso/)
• http://tw.rpi.edu/media/2012/02/07/d641/EX_ISSI-2011-09-0138.R1_McCusker.pdf (FRIR)
• http://musicontology.com/specification/
• http://vocab.org/frbr/core
• http://kcoyle.blogspot.com/2019/01/frbr-without-fr-or-br.html
• http://kcoyle.net/beforeAndAfter/c10-978-0-8389-1364-2.pdf
• http://kcoyle.net/WEMIpres.pdf

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