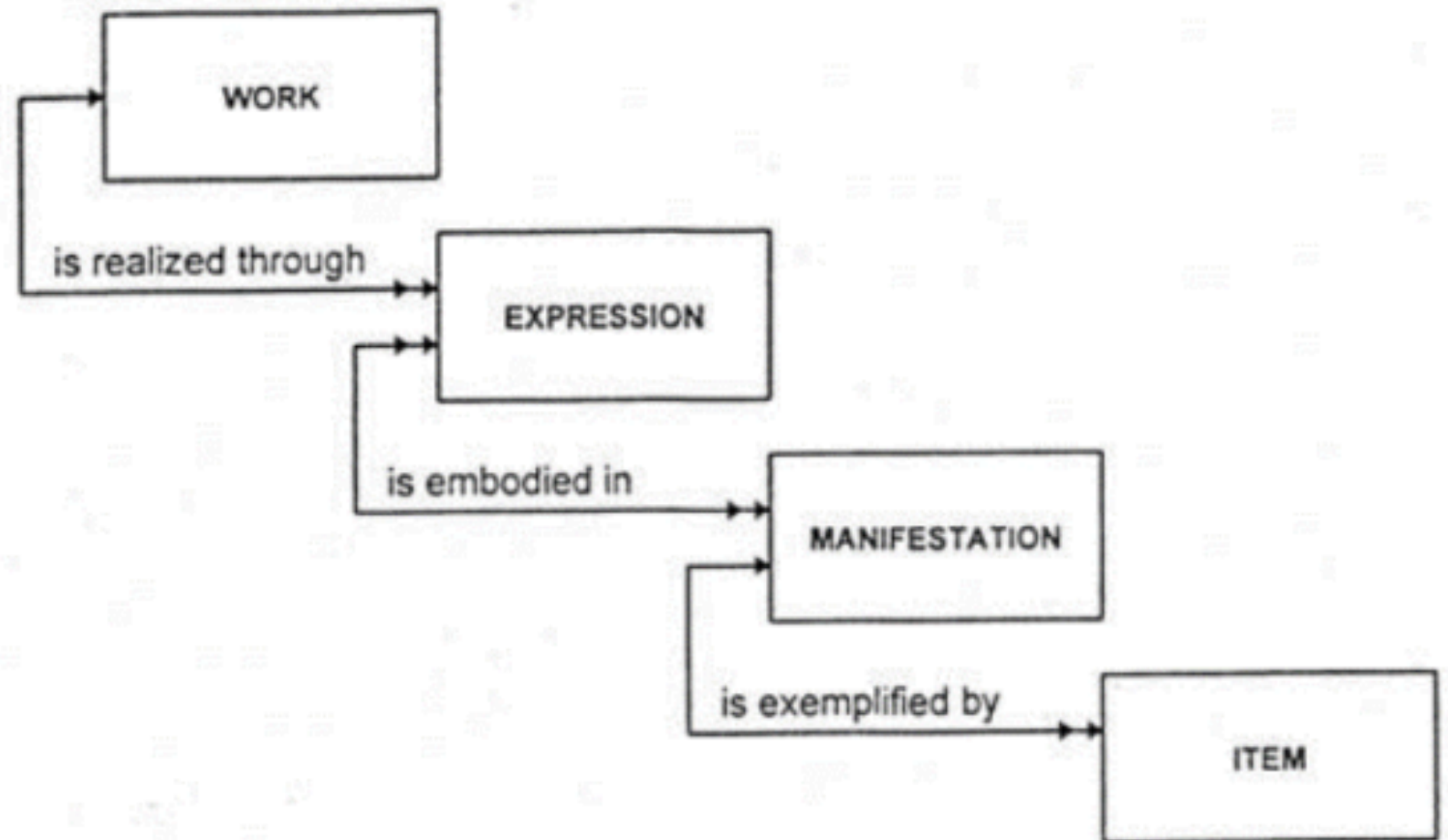


# The Created Work

---

[kcoyle@kcoyle.net](mailto:kcoyle@kcoyle.net)

FRBR-LRM  
WEMI



# 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

# FaBiO – FRBR Aligned Bibliographic Ontology

## [print object](#)<sup>c</sup>

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

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

### **has super-classes**

[analog manifestation](#)<sup>c</sup>

### **has sub-classes**

[hardback](#)<sup>c</sup>, [paperback](#)<sup>c</sup>

```
:printed-issue a fabio:Paperback ;  
  dcterms:publisher :springer ;  
  prism:publicationDate "2007-06"^^xsd:gYearMonth ;  
  frbr:part :printed .
```

# FaBiO – FRBR Aligned Bibliographic Ontology

## print object<sup>c</sup>

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

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

### has super-classes

[analog manifestation<sup>c</sup>](#)

### has sub-classes

[hardback<sup>c</sup>](#), [paperback<sup>c</sup>](#)

## work<sup>c</sup>

[back to ToC](#) or [Class ToC](#)

**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

xsd:gYearMonth ;

# Akoma-Ntoso – an XML schema for legal documentation

```
<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>
```

# The Music Ontology

<b>URI:</b>	<a href="http://purl.org/ontology/mo/MusicalWork"><u>http://purl.org/ontology/mo/MusicalWork</u></a>
-------------	--

<b>Label:</b>	musical work
---------------	--------------

<b>Status:</b>	stable
----------------	--------

<b>Subclasses:</b>	<a href="#"><u>Movement</u></a>
--------------------	---------------------------------

<b>Parent Class:</b>	<a href="http://purl.org/vocab/frbr/core#Work"><u>http://purl.org/vocab/frbr/core#Work</u></a>
----------------------	--

<b>Properties:</b>	<a href="#"><u>arranged_in</u></a> , <a href="#"><u>composed_in</u></a> , <a href="#"><u>iswc</u></a> , <a href="#"><u>movement</u></a> , <a href="#"><u>opus</u></a> , <a href="#"><u>lyrics</u></a>
--------------------	--

# Functional Requirements of Information Resources

## Work 1

### Expression 1

#### Manifestation 1

URL 1

URL 2

<http://a.org/csv>

<http://b.org/csv>

#### Manifestation 2

<http://b.org/raw.ttl>

#### Manifestation 3

<http://b.org/raw.rdf>

## Work 2

### Expression 2

#### Manifestation 4

<http://b.org/enhanced.ttl>

← was derived from



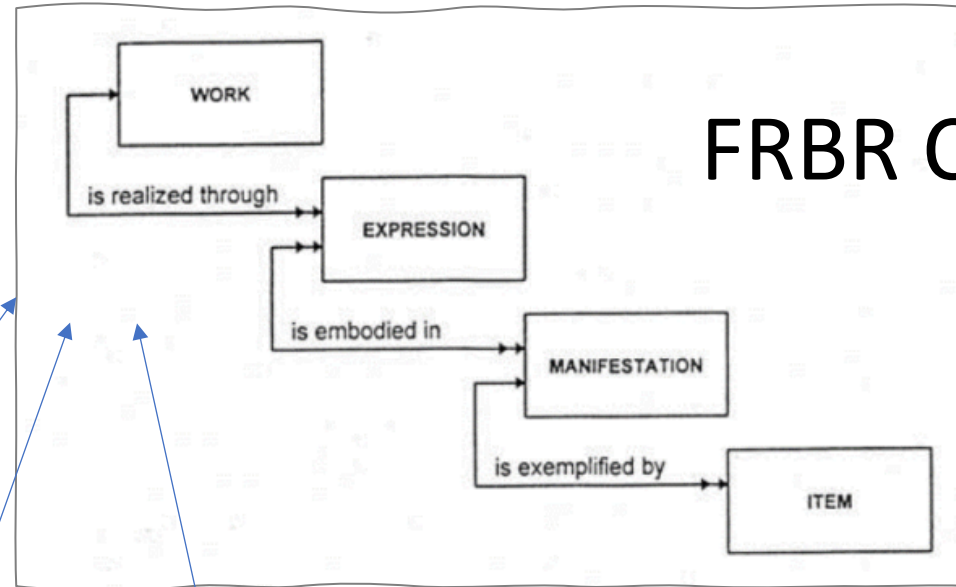
# Subclasses of FRBR entities

MusicO Work

FaBiO Work

Akoma Work

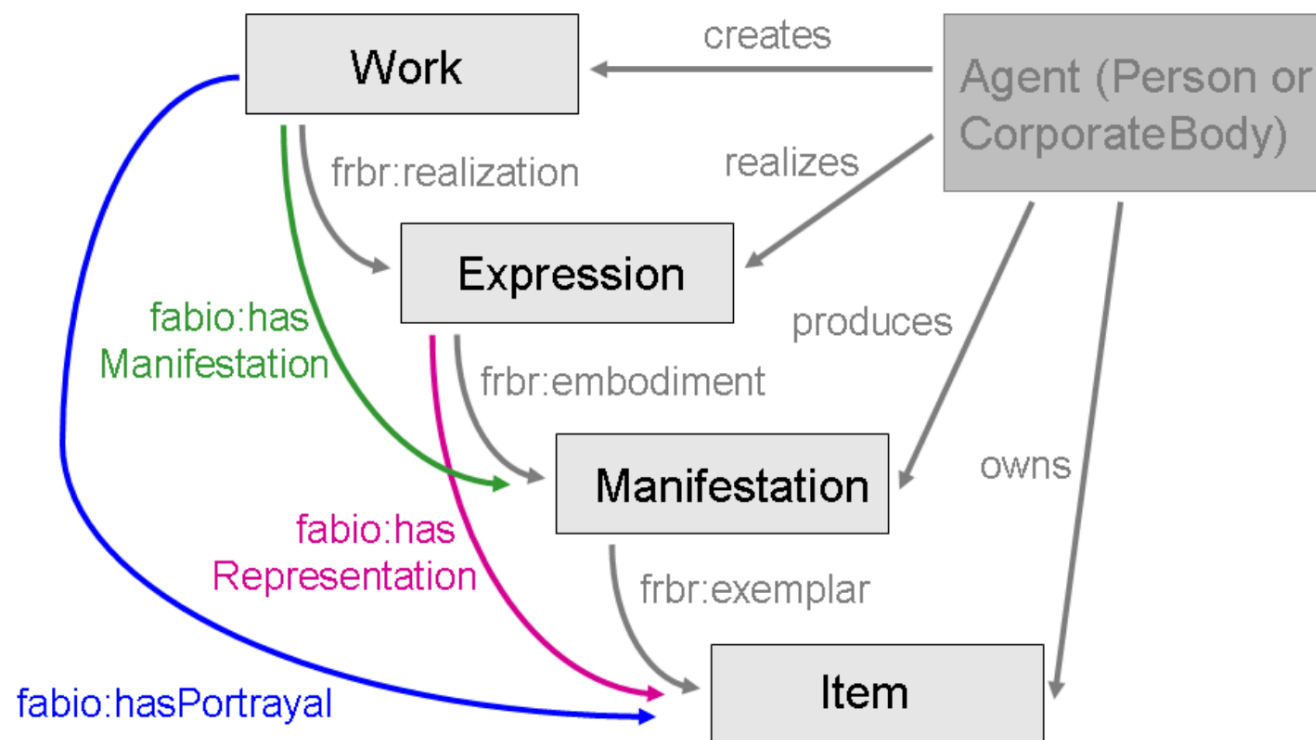
FRIR Work



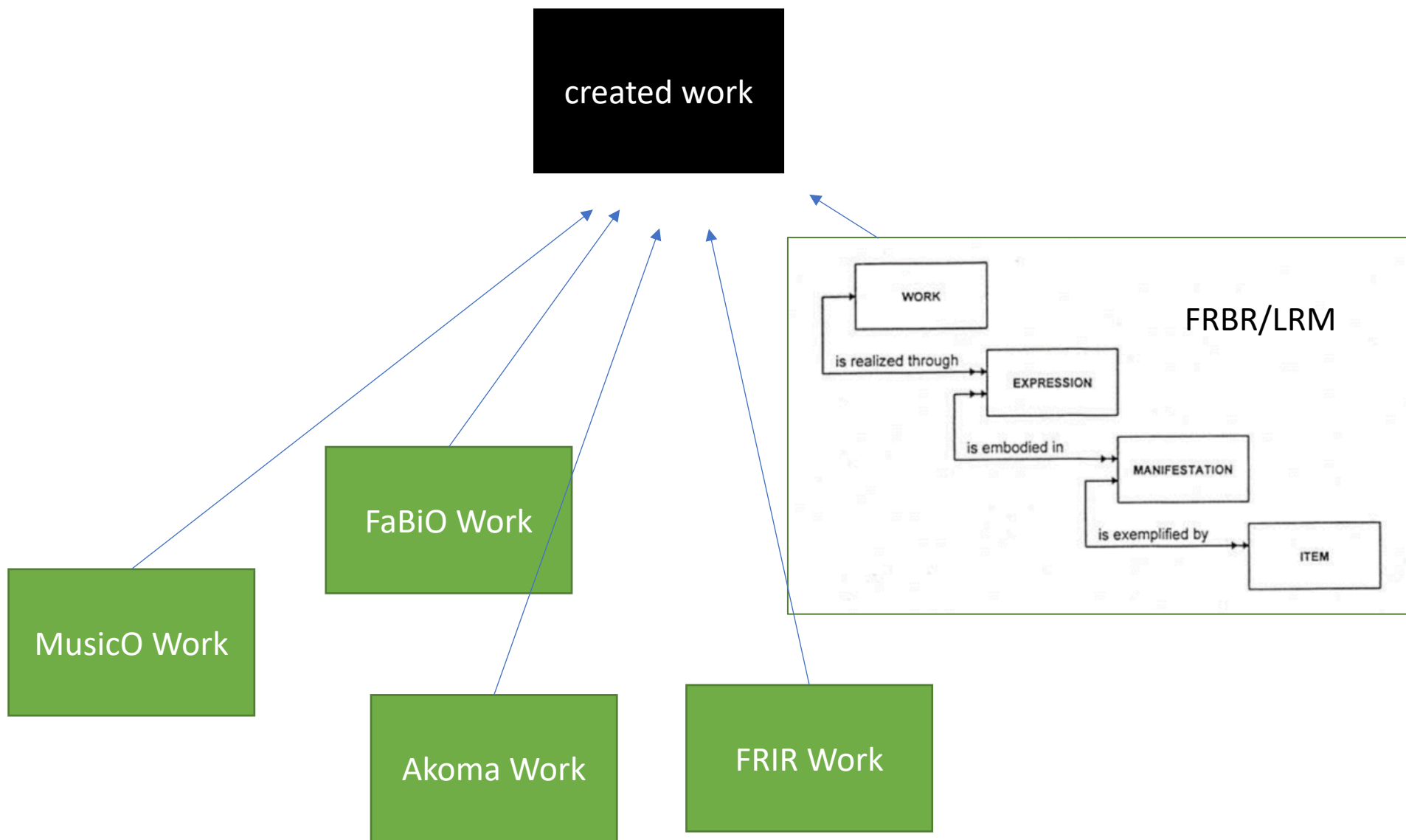
FRBR Core

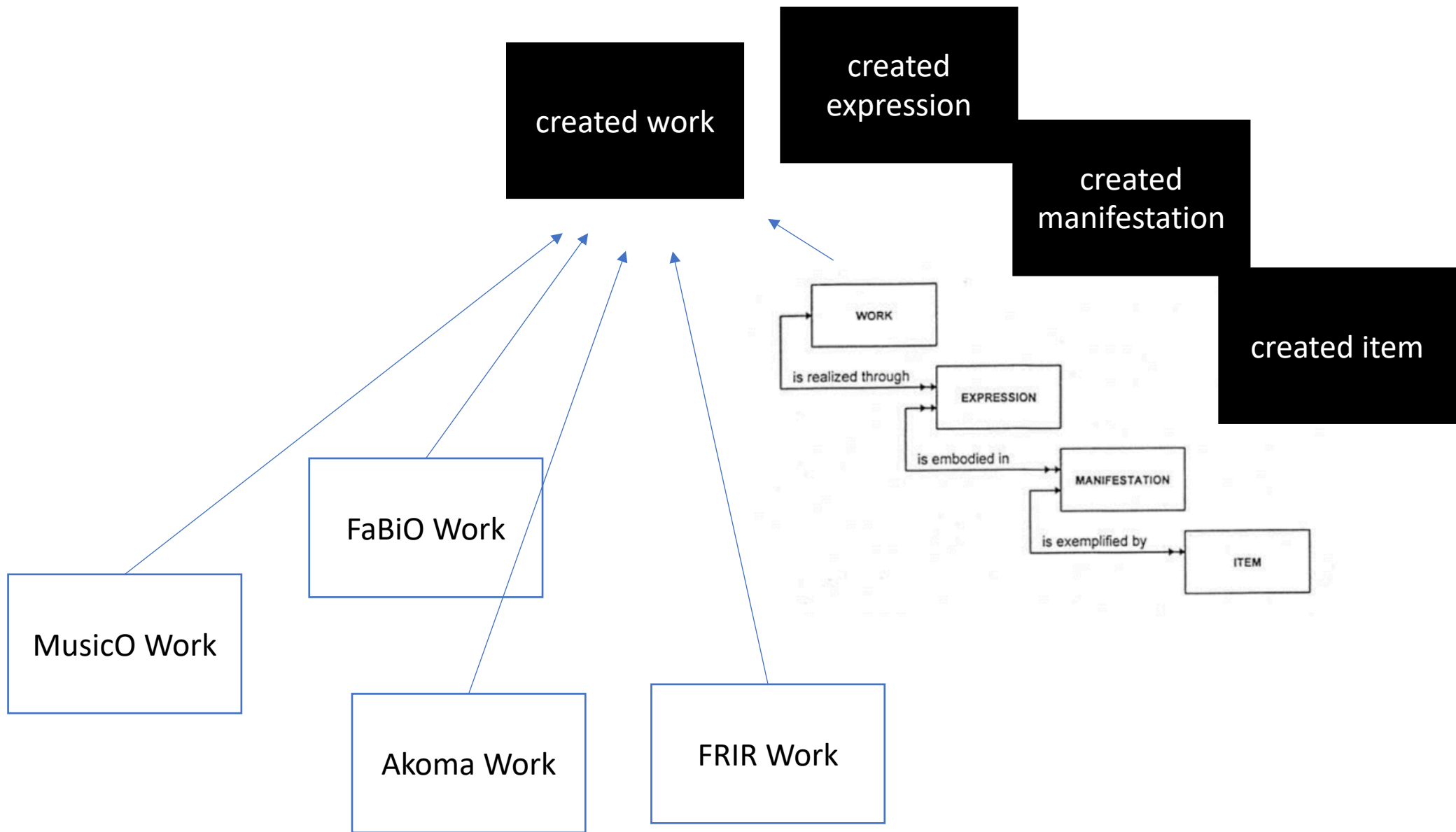
# Subclasses? or not?

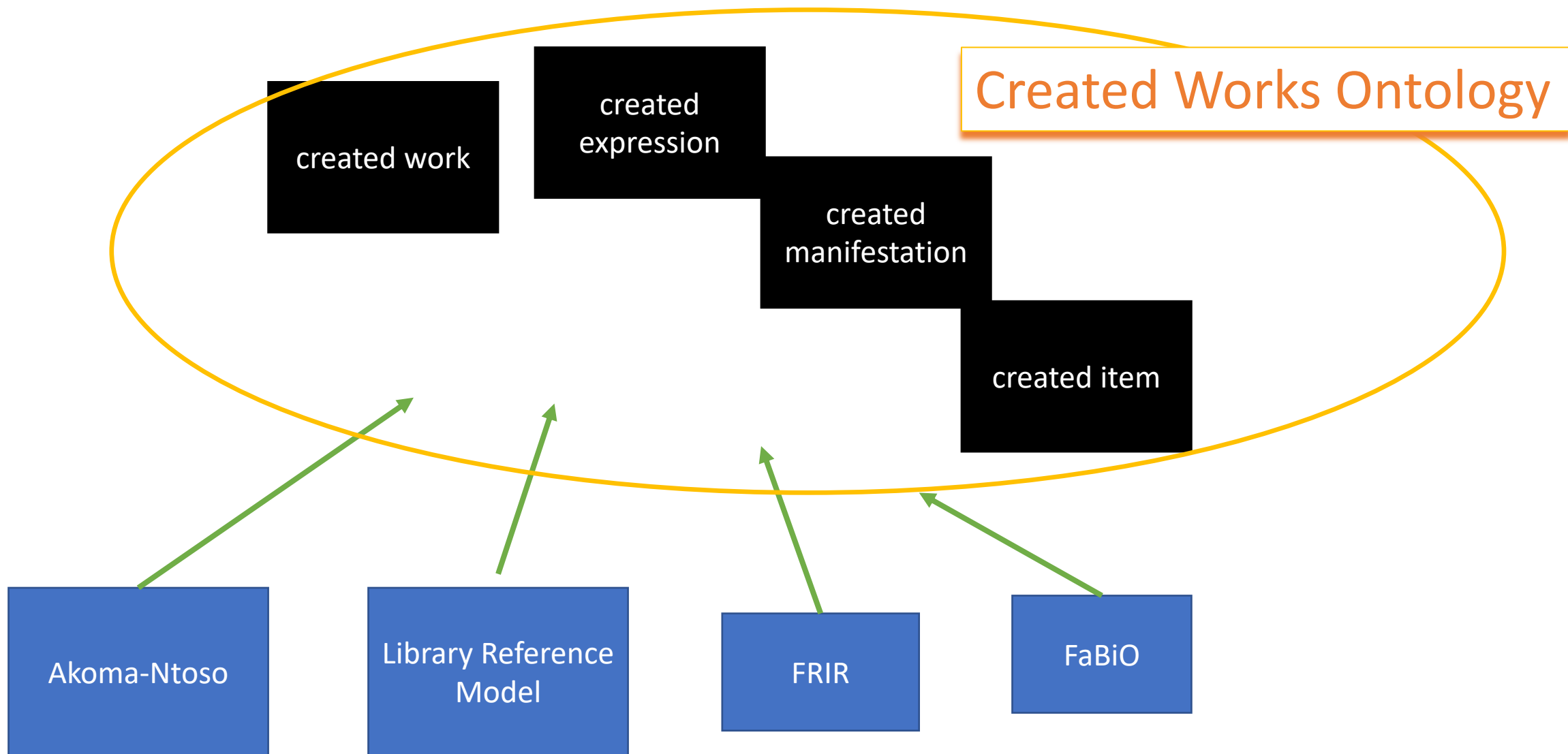
New Work-Expression-Manifestation-Item relationships in FaBiO



Reciprocals: frbr:realizationOf   frbr:embodimentOf   frbr:exemplarOf  
fabio:isManifestationOf   fabio:isRepresentationOf   fabio:isPortrayalOf







# CWO

(pronounced COW?)\*

\* h/t Joachim



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.ekomantoso.org/> (also: <https://github.com/oasis-open/legaldocml-ekomantoso/>)
- [http://tw.rpi.edu/media/2012/02/07/d641/EX\\_ISSI-2011-09-0138.R1\\_McCusker.pdf](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>

[kcoyle@kcoyle.net](mailto:kcoyle@kcoyle.net)