RDA WORKS IN BIBFRAME & SINOPIA PROFILES

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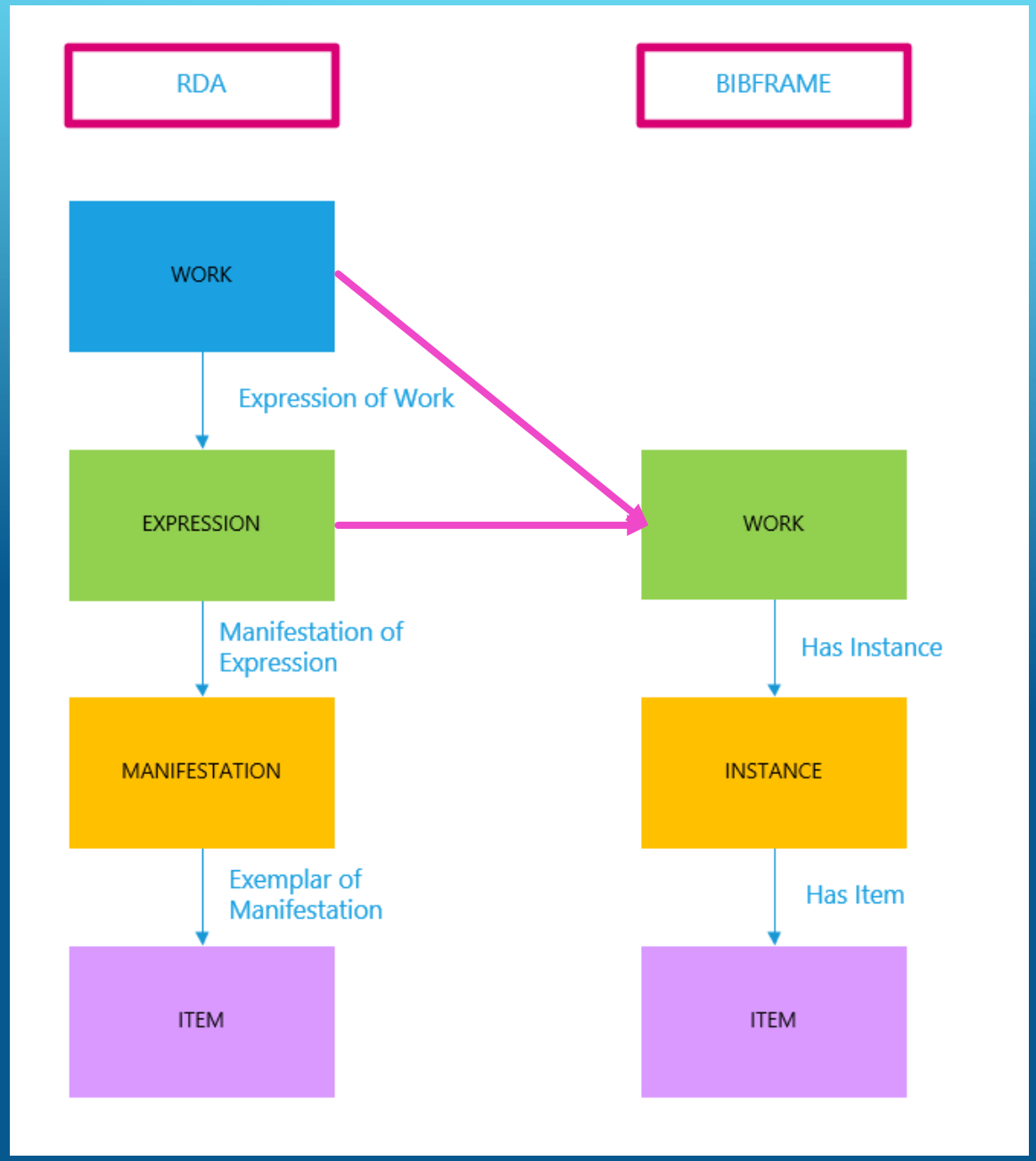
BIBFRAME in Europe
Stockholm 2019

RDA VS BIBFRAME



SUBCLASSES VS ATTRIBUTES…

BF:WORK has subclasses

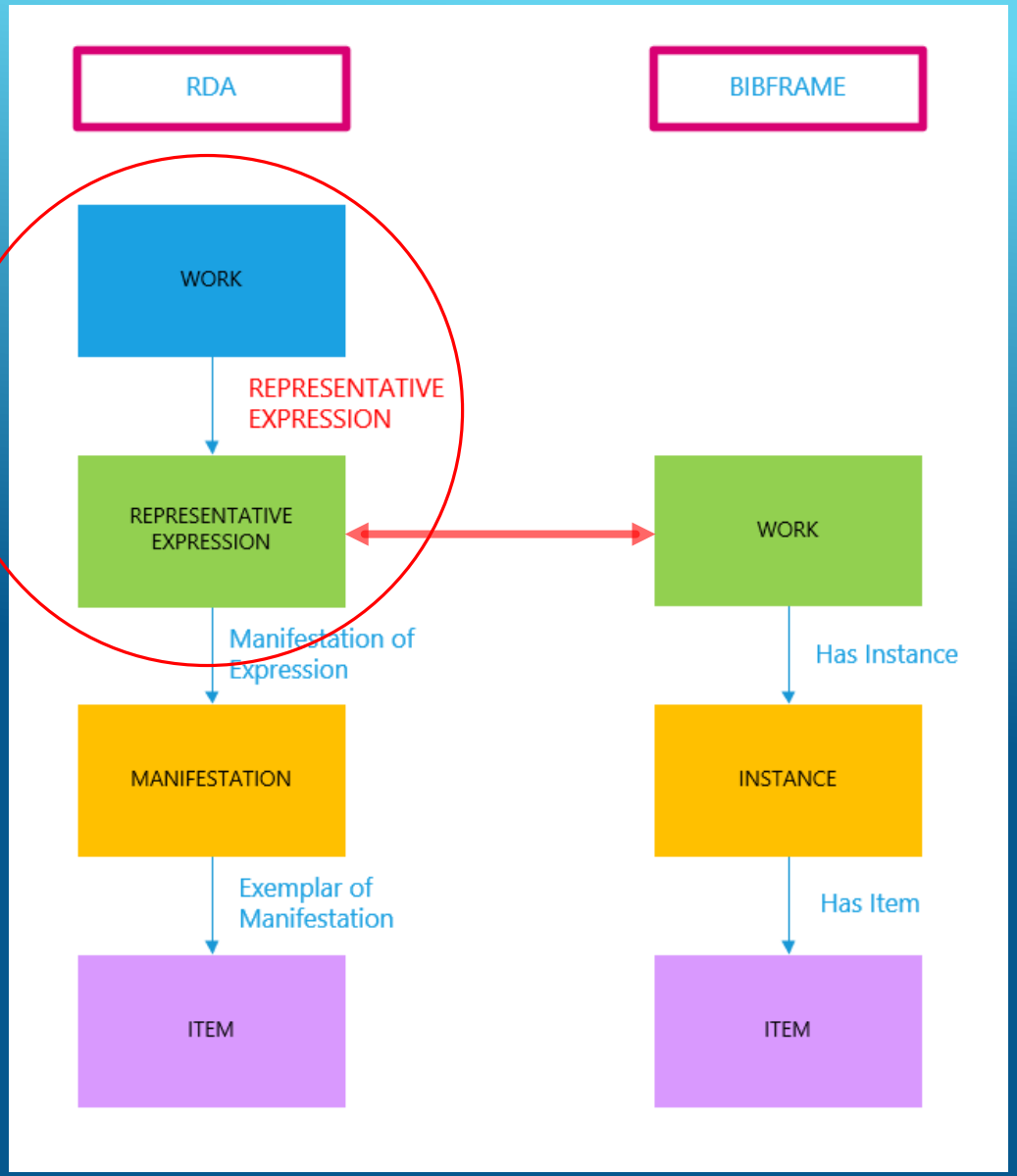
- Audio
- Cartography
- Dataset
- MixedMaterial
- Moving image
- Multimedia
- NotatedMusic
- NotatedMovement
- StillImage
- Object
- Text

Not used much…
Do not fit RDA modeling

RDAC:WORK has Content Type

- Cartographic dataset + 4 other cartographic types
- Computer program + 1 other computer type
- Notated movement
- Notated music
- Performed music
- Sounds
- Spoken word
- Still image
- Text
- Three-dimensional object
- Two-dimensional moving image *(and others)*

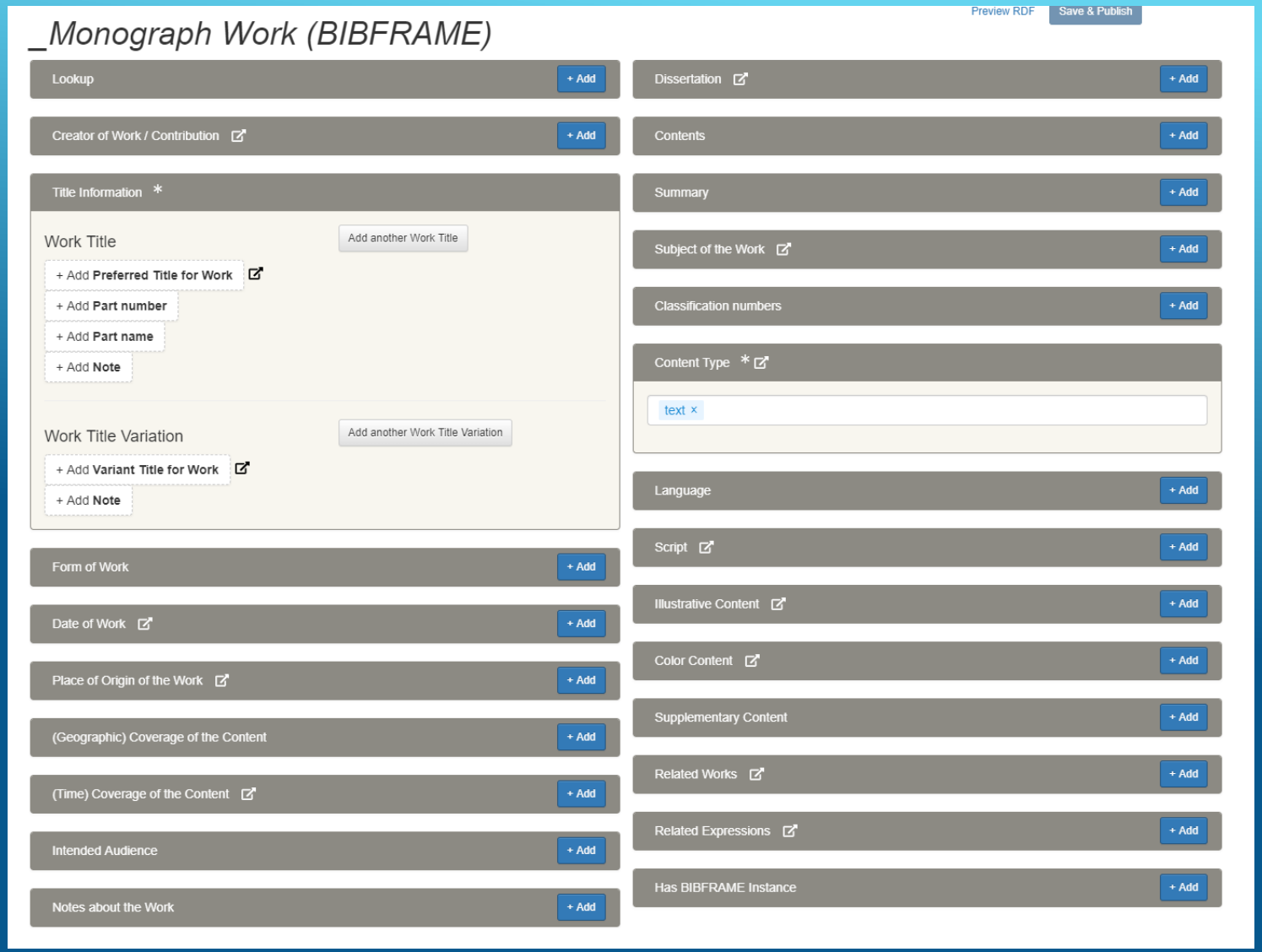
Appear in BF as bf:content

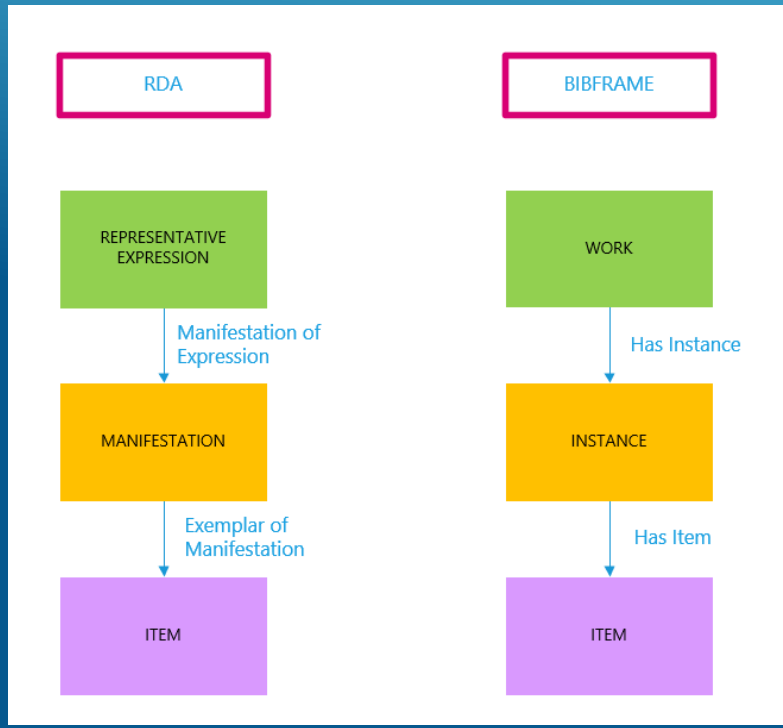


RDA VS BIBFRAME

- The RDA Representative Expression combines attributes/relationships of both the RDA Work and Expression
- The basic bf:Work is a close equivalent

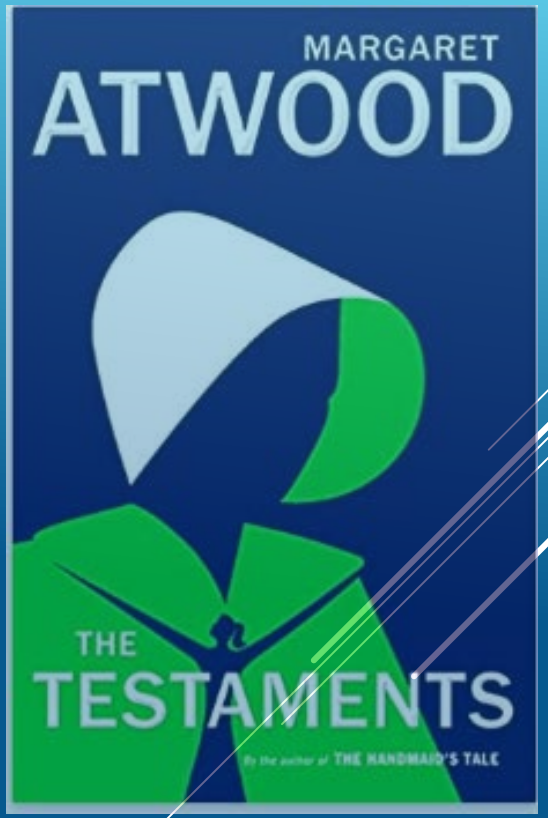
BIBFRAME WORK AS RDA REPRESENTATIVE EXPRESSION



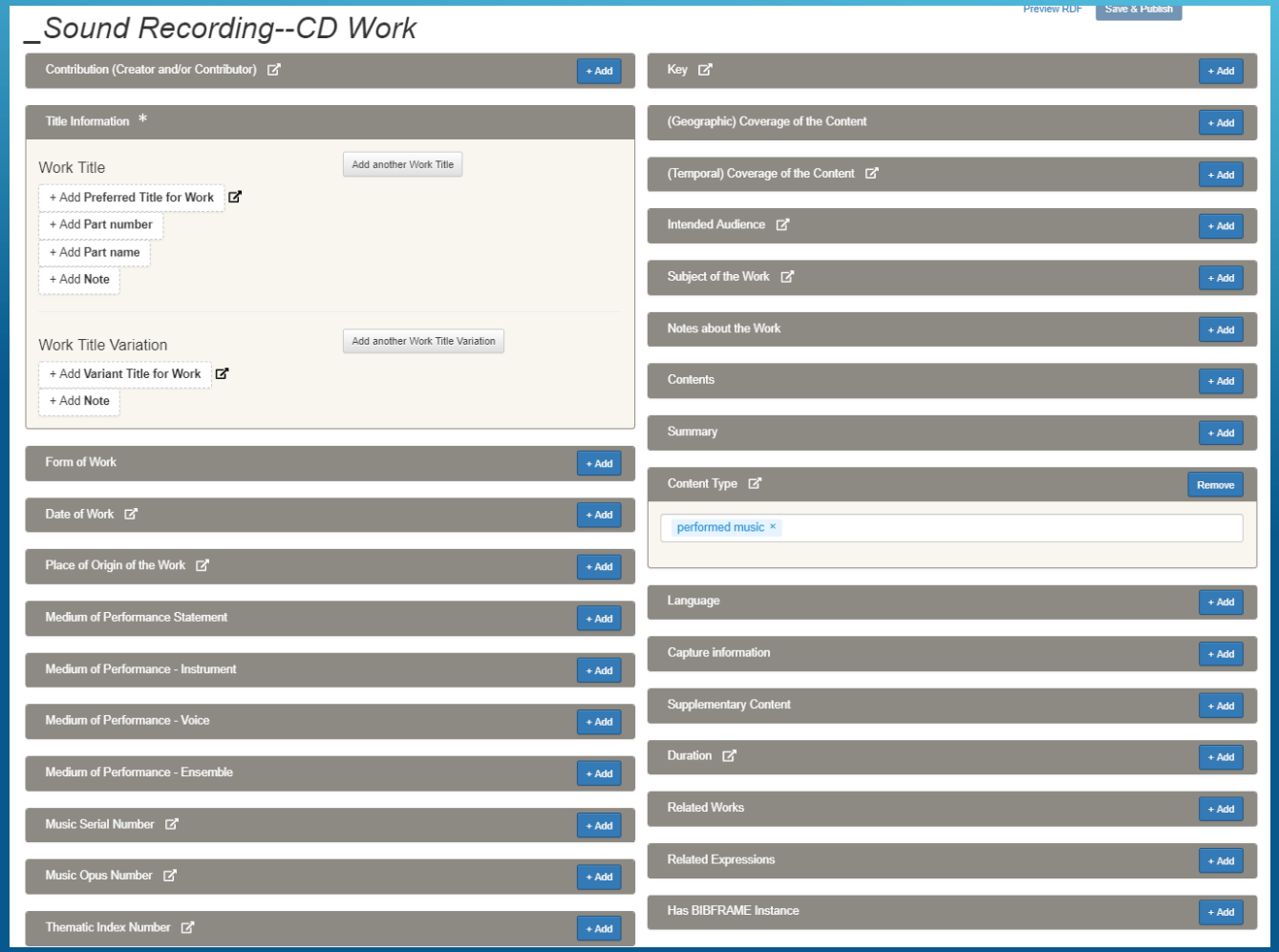


DOES THIS WORK?

- Example: The Testaments by Margaret Atwood
  - Just published—only one expression, which is justifiably a representative expression
    - Vast majority of books do not go past one expression
      - Model works for these
  - This book will have translations—all separate expressions
    - In RDA, the Work would join the representative expression to other expressions
    - In BF, need something to join those expressions together



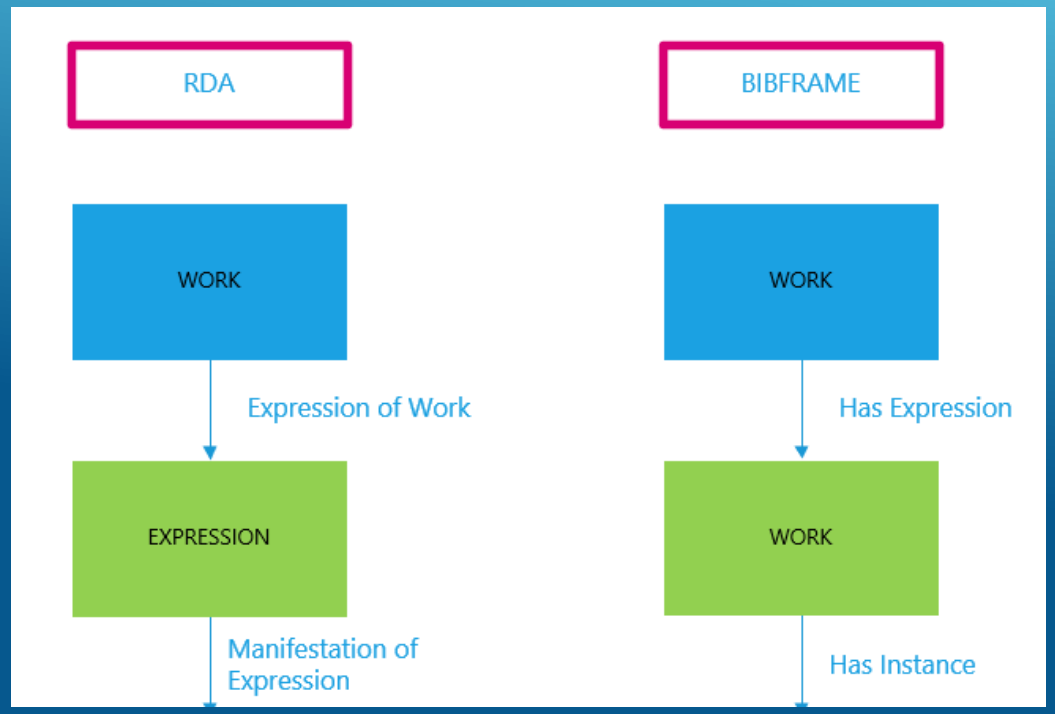
REPRESENTATIVE WORKS & SOUND RECORDINGS



Same issue with more complex resources

- Music
  - Multiple performances = multiple expressions in RDA
  - Multiple variations in notated music
    - Arrangements
    - Editions
  - Relating sound recordings and notated music of the work

WORK AS AN EXPRESSION OF A WORK IN BIBFRAME

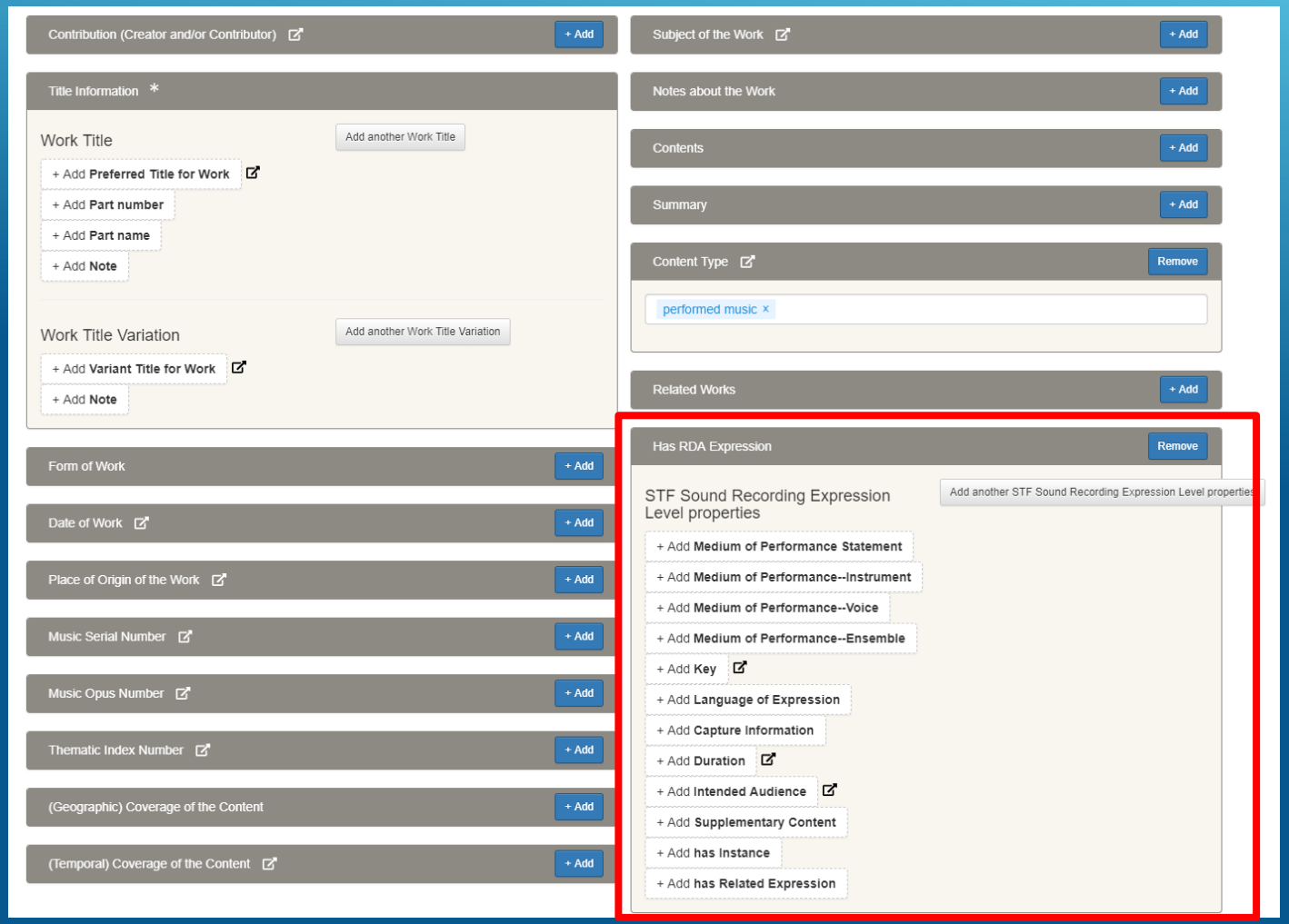


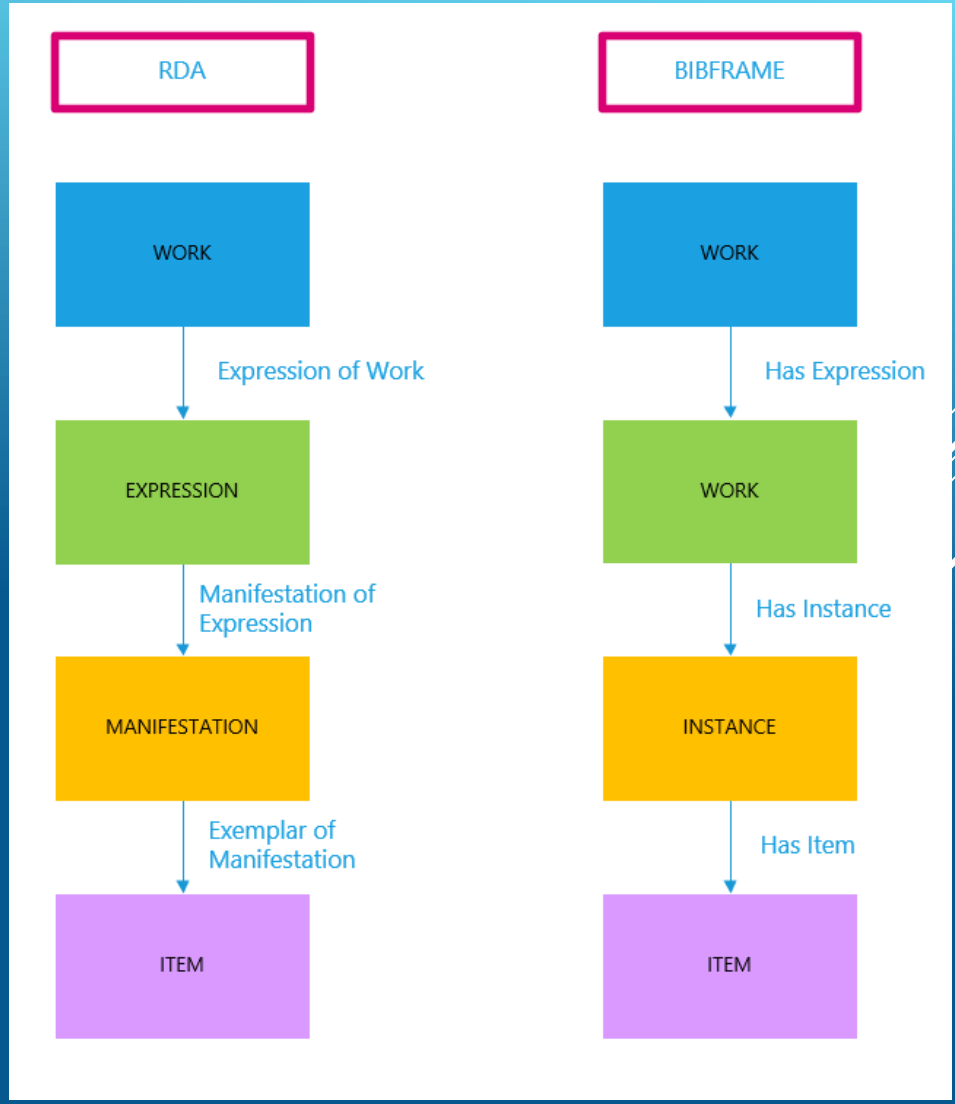
- Work as an expression of a Work is built into BIBFRAME
- Can be used to mirror the RDA work/expression relationship

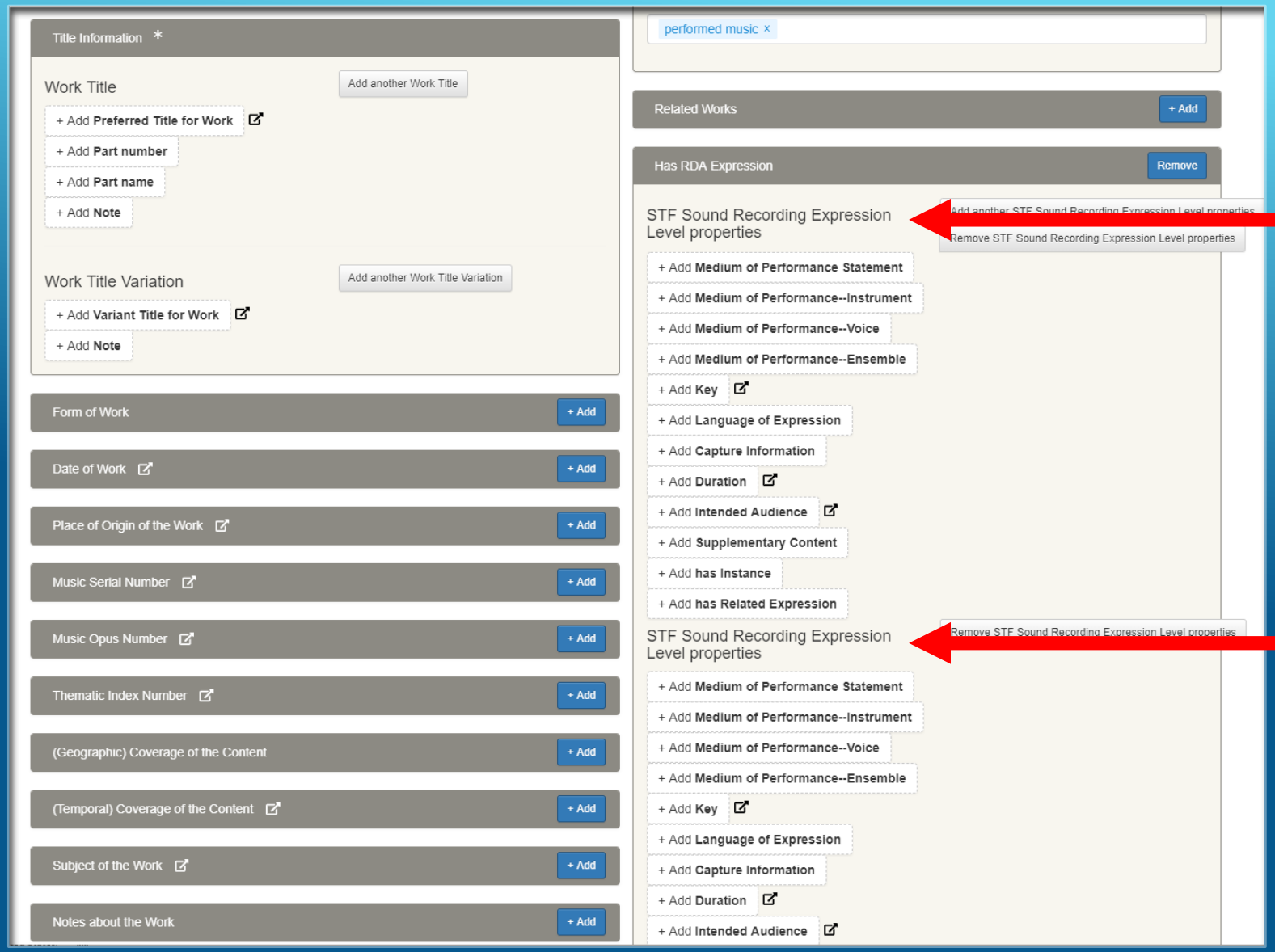
Property:	expressionOf
URI:	http://id.loc.gov/ontologies/bibframe/expressionOf
Label:	Expression of
Definition:	Work that the described Work is an expression of. For use to connect Works under FRBR/RDA rules.
SubProperty Of:	relatedTo
Used with:	Work
Expected Value:	Work
Inverse Of:	hasExpression
Change Notes:	2016-04-21 (New) 2016-04-29 (added inverse)

```
<owl:ObjectProperty rdf:about="http://id.loc.gov/ontologies/bibframe/hasExpression">
        <rdfs:domain rdf:resource="http://id.loc.gov/ontologies/bibframe/Work"/>
        <rdfs:range rdf:resource="http://id.loc.gov/ontologies/bibframe/Work"/>
        <skos:definition>Work that is an expression of a described Work. For use to relate Works under FRBR/RDA rules.</skos:definition>
        <rdfs:subPropertyOf rdf:resource="http://id.loc.gov/ontologies/bibframe/relatedTo"/>
        <rdfs:label>Expressed as</rdfs:label>
        <owl:inverseOf rdf:resource="http://id.loc.gov/ontologies/bibframe/expressionOf"/>
```

In Sinopia...


Contribution (Creator and/or Contributor) + Add
Subject of the Work + Add
Title Information *
Notes about the Work + Add
Work Title
Add another Work Title
+ Add Preferred Title for Work
+ Add Part number
+ Add Part name
+ Add Note
Contents + Add
Summary + Add
Content Type Remove
performed music ×
Work Title Variation
Add another Work Title Variation
+ Add Variant Title for Work
+ Add Note
Related Works + Add
Has RDA Expression Remove
Form of Work + Add
STF Sound Recording Expression Level properties
Add another STF Sound Recording Expression Level properties
Date of Work + Add
+ Add Medium of Performance Statement
+ Add Medium of Performance--Instrument
+ Add Medium of Performance--Voice
+ Add Medium of Performance--Ensemble
Place of Origin of the Work + Add
+ Add Key
+ Add Language of Expression
Music Serial Number + Add
+ Add Capture Information
+ Add Duration
Music Opus Number + Add
+ Add Intended Audience
+ Add Supplementary Content
Thematic Index Number + Add
+ Add has Instance
+ Add has Related Expression
(Geographic) Coverage of the Content + Add
(Temporal) Coverage of the Content + Add

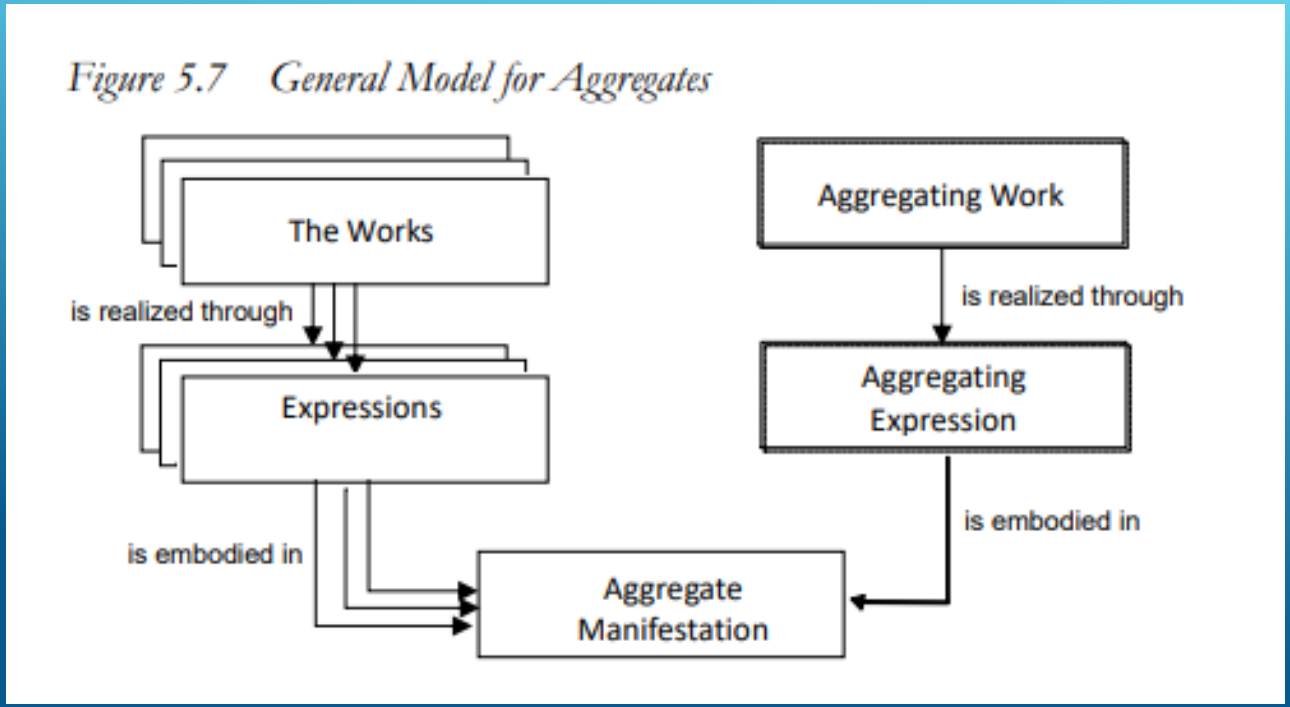

RDA
BIBFRAME
WORK
WORK
Expression of Work
Has Expression
EXPRESSION
WORK
Manifestation of Expression
Has Instance
MANIFESTATION
INSTANCE
Exemplar of Manifestation
Has Item
ITEM
ITEM



ENTERING MULTIPLE EXPRESSIONS

AGGREGATE WORKS

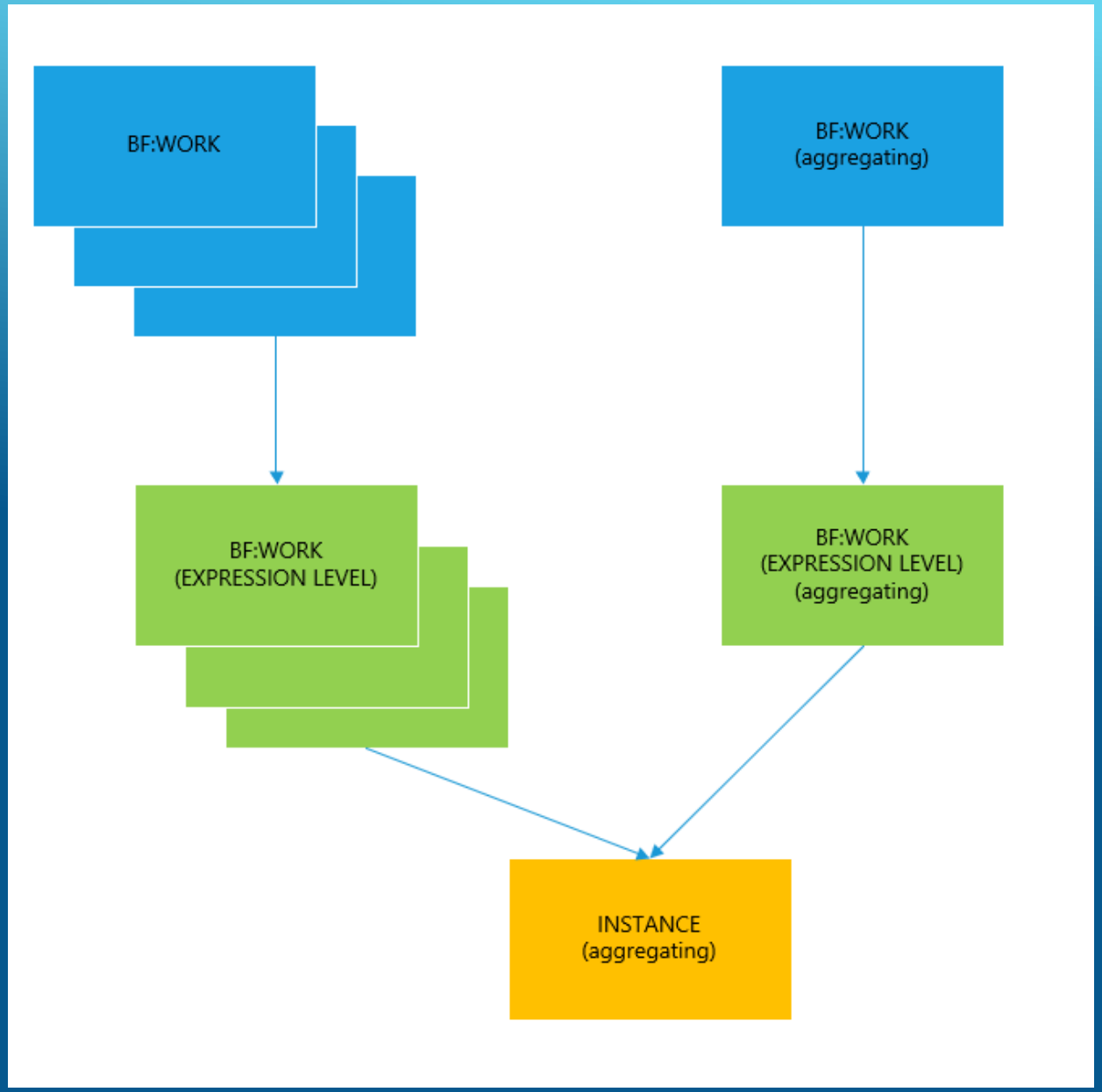
- BIBFRAME vs RDA
  - BIBFRAME has no model for aggregate works
  - Current RDA has a very basic model of works within works
  - New RDA model based on LRM

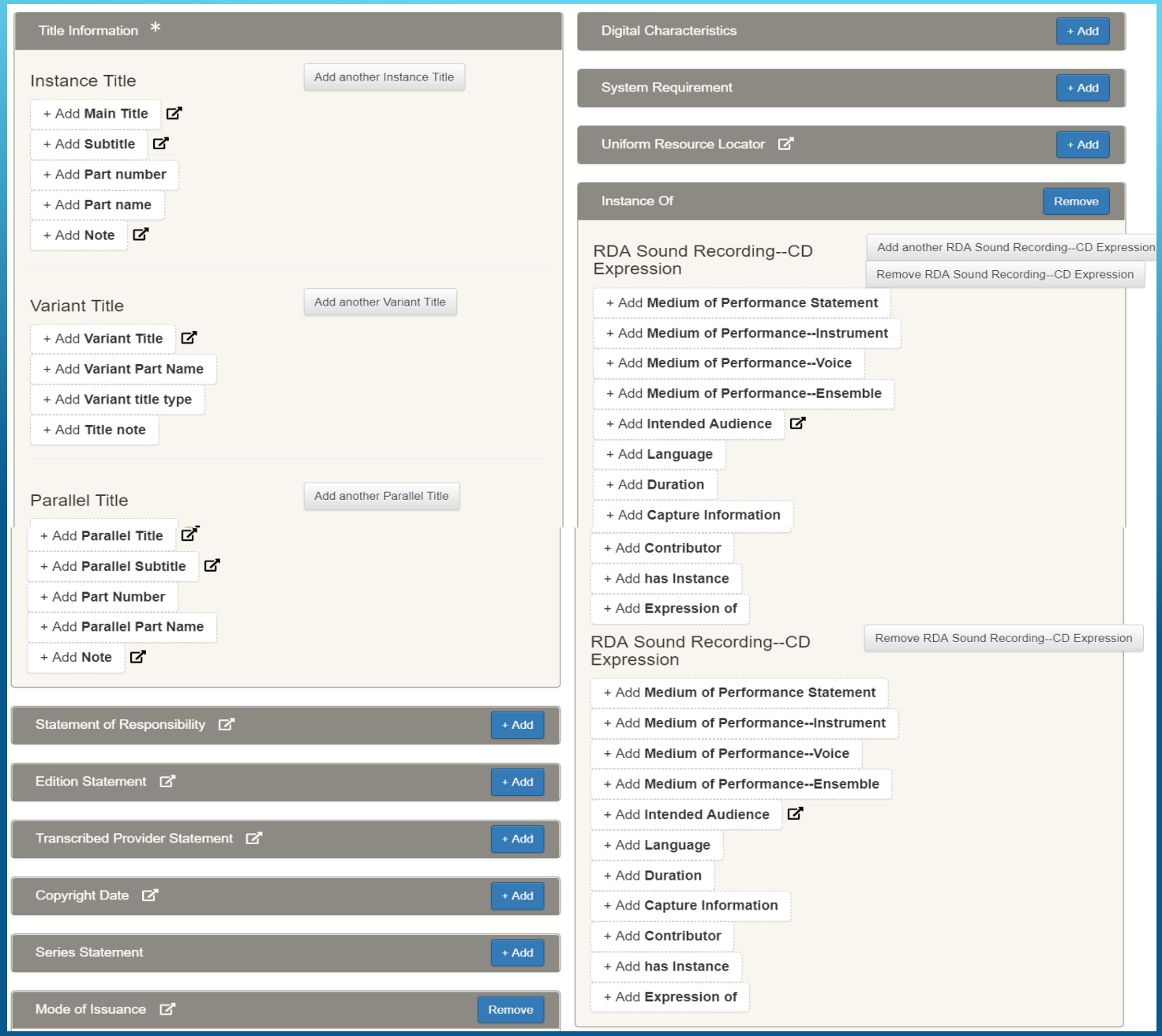


THE LRM MODEL

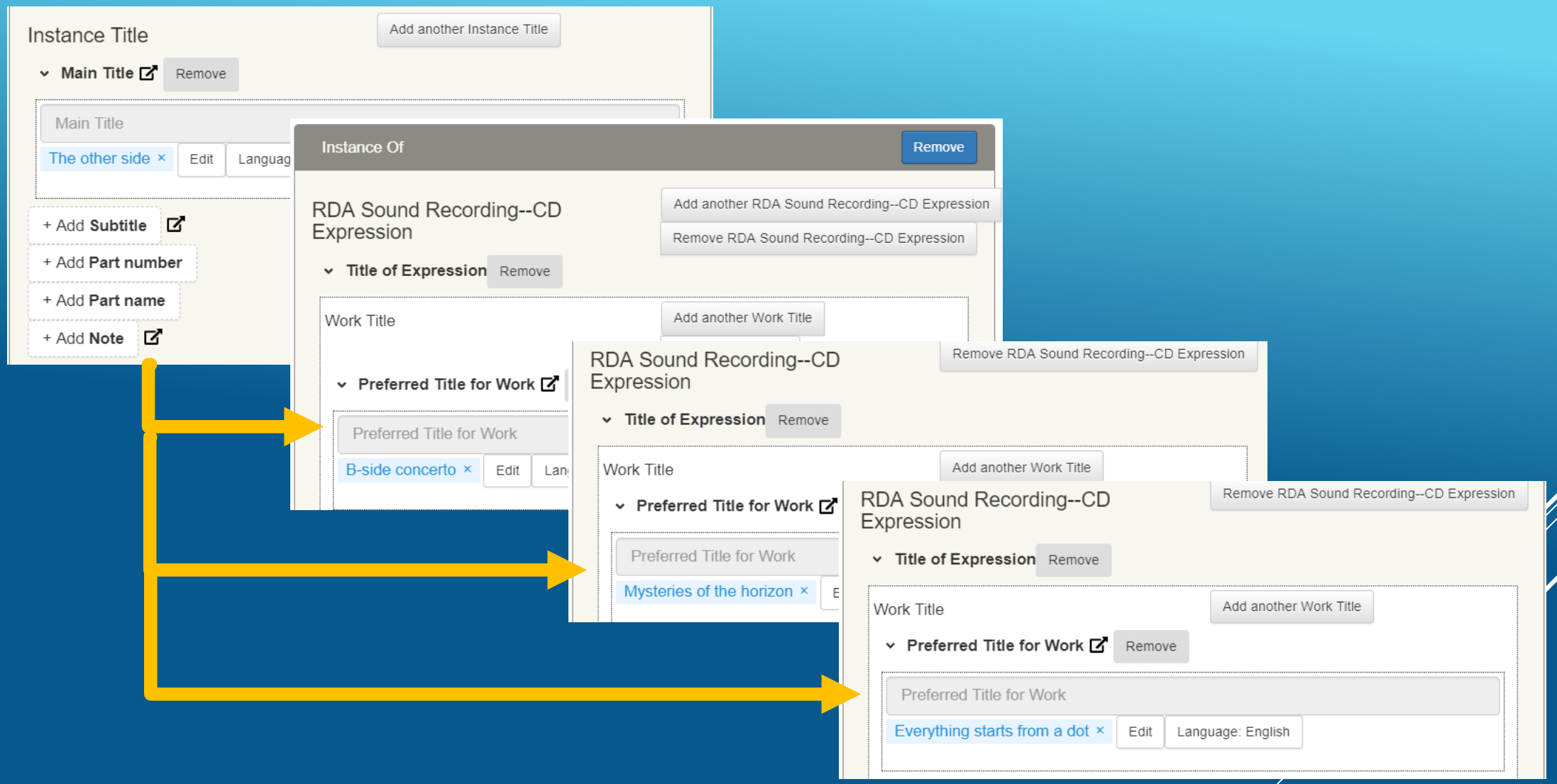
- Aggregation is at the Expression level
- Individual expressions are embodied in an aggregate manifestation
- The aggregating expression is also embodied in the aggregate manifestation
- You may describe just the aggregating expression, just the aggregated individual expressions or both

THE LRM MODEL IN BIBFRAME





Adding aggregate expressions from an Instance template in Sinopia


Instance Title
Add another Instance Title
Main Title
Remove
Main Title
The other side ×
Edit
Languag
+ Add Subtitle
+ Add Part number
+ Add Part name
+ Add Note
Instance Of
Remove
RDA Sound Recording--CD Expression
Add another RDA Sound Recording--CD Expression
Remove RDA Sound Recording--CD Expression
Title of Expression
Remove
Work Title
Add another Work Title
Preferred Title for Work
Preferred Title for Work
B-side concerto ×
Edit
RDA Sound Recording--CD Expression
Remove RDA Sound Recording--CD Expression
Title of Expression
Remove
Work Title
Add another Work Title
Preferred Title for Work
Preferred Title for Work
Mysteries of the horizon ×
RDA Sound Recording--CD Expression
Remove RDA Sound Recording--CD Expression
Title of Expression
Remove
Work Title
Add another Work Title
Preferred Title for Work
Remove
Preferred Title for Work
Everything starts from a dot ×
Edit
Language: English

BEHIND THE SCENES

- Only used BF properties to link bf:Works to bf:Works and to bf:Instances
- Basic properties relating WEMI in RDA have no unconstrained properties:
  - rdaw:P10078 “has expression of Work”
  - rdaw:P10346 “has representative expression”
  - rdaw:P10072 “has manifestation of work”

  domain of rdac:C10001 “work”
- Basic properties relating Work and Instance also are constrained
  - bf:hasInstance
  - bf:instanceOf

  Domain/range of bf:Work or bf:Instance
  - bf:hasExpression
  - bf:expressionOf

  Domain/range of bf:Work
- *A reason for creating an official mapping…*

RDA TO BIBFRAME MAPPINGS by the Program for Cooperative Cataloging (PCC)

RDA Instructions & Elements The name of the RDA instruction or data element, as presented in the RDA Toolkit (http://access.rdatoolkit.org/). (T)= Transcribed element	RDA No.	BSR Notes	MARC Coding	RDA-RDF The rda-rdf property, as defined by the RDA registry (http://www.rdaregistry.info/)	Context each triple needed for the mapping listed separately: Subject > predicate > Object Subjects = BF Classes (distinguished by uppercase) predicates = BF properties (distinguished by lowercase) Objects either BF classes or Literal , indicates subclass/subproperty of the preceding class/property	LC BF 2.0 The BIBFRAME property used to encode the RDA data element	Anticipated Value	TG Notes on BF 2.0	Questions
Identifying Manifestations & Items									
Title proper (T)	2.3.2		245 $a, $n, $p	rdam:titleProper(p30156)	Instance > title > Title Title > mainTitle > Literal Title > partNumber > Literal Title > partName > Literal	mainTitle; partNumber; partName	Literal		
Parallel title proper (T)	2.3.3	Record all	245 $b, 246	rdam:parallelTitlePoper (P30203)	Instance > title > Title, VariantTitle, ParallelTitle ParallelTitle > mainTitle > Literal	ParallelTitle	Literal		
Other title information (T)	2.3.4		245 $b	rdam:otherTitleInformation(P30142)	Instance > title > Title Title > subtitle > Literal *or* Work > title > Title Title > subtitle > Literal	subtitle	Literal		
Variant title (T)	2.3.6	PCC *recommends* additional variant titles that are deemed important to identification or access, according to cataloger judgment and/or local policy. PCC Core for **rare materials**; record variant titles that are required by the appropriate DCRM module.	246	rdam:variantTitle (P30128)	Instance > title > Title, VariantTitle VariantTitle > mainTitle > Literal	VariantTitle	Literal	There are 4 subclasses under VariantTitle: KeyTitle, AbbreviatedTitle, ParallelTitle, CollectiveTitle; and a property variantType to define the types of variation: acronym, cover, spine, earlier, later, series version	
Later title proper (T)	2.3.8		246	rdam:laterTitleProper(P30129)	Instance > title > Title, VariantTitle VariantTitle > mainTitle > Literal VariantTitle > variantType > Literal	VariantTitle with variantType property "Later title proper"	Literal	The variantTitle property can be used for the following: "Type of title variation, e.g., acronym, cover, spine, earlier, later, series version"	
Statement of responsibility relating to title proper (T)	2.4.2	If more than one, only the first recorded is required by RDA, but catalogers are encouraged to transcribe (or record in a note) any other statements of responsibility that aid in resource discovery, identification, and selection. Rare materials: Generally transcribe all statements of responsibility relating to title proper found in the preferred source of information. Rare atlases, rare books, and rare music: If a title and statement of responsibility as recorded have been transposed from their presentation in the source, see also 2.17.3.	245 $c	rdam:statmentOfResponsibilityRelatingtoTitlePr oper (P30105)	Instance > responsibilityStatement > Literal	responsibilityStatement	Literal		
Designation of edition (T)	2.5.2	**Rare music:** Transcribe as an edition statement the music presentation statement as defined by DCRM(M) 3B.	250	rdam:designationOfEdition(P30133)	Instance > editionEnumeration > Literal	editionEnumeration	Literal	Bf 2.0 also has propery edition which speficially refers to Classification	

1. Bibliographic Standard Record (BSR) to BIBFRAME 2.0
2. CONSER Standard Record (CSR) to BIBFRAME 2.0

Representative Expression

Aggregates

Full RDA/LRM equivalent

IFLA LRM: https://www.ifla.org/files/assets/cataloguing/frbr-lrm/ifla-lrm-august-2017.pdf
RDA Registry: https://www.rdaregistry.info
Sinopia tech info: https://ld4p.github.io/sinopia/

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