

Interchangeable Entities:



BIBFRAME Implementation, Interoperability, and Metadata Reuse

Ian Bigelow

Core Copy Cataloging IG
March 8th, 2022

The questions of the day:

“What is your idea of "Copy Cataloging" in BIBFRAME/Library Linked Data context?”

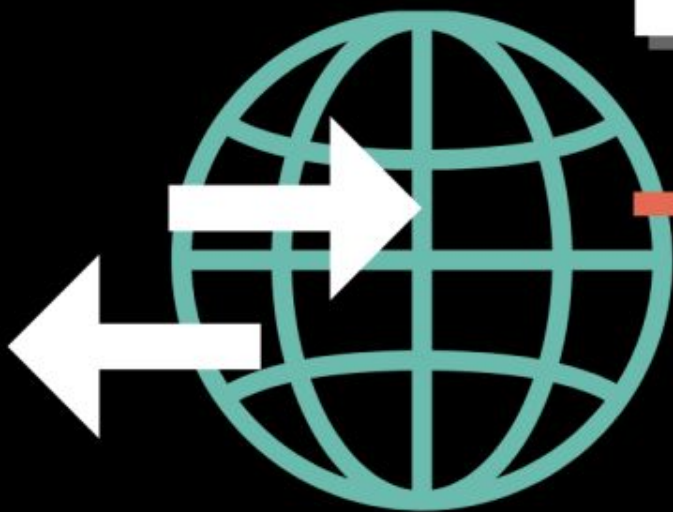
“Is it possible to predict a realistic timeline in which we may see widespread copy cataloging using BIBFRAME/library linked data?”



UNIVERSITY
OF ALBERTA

[LINKED DATA]

Implementation Plan



UAL is actively and strategically implementing linked data to:

- Facilitate different modes of discovery for enhancing user discovery experiences.
- Enable new modes of discovery within and across collections (ours and others').
- Provide open access to our metadata for the widest of audiences.
- Support cataloging and metadata practices to incorporate more appropriate and respectful terminology in our vocabularies.
- Improve workflows for data transformation, migration, assessment, and enhancement.
- Support long term data preservation with emerging linked data standards.

But keep in mind that:

The plan strives to:

- Define plans for short-term (6 - 18 months), medium-term (18 months - 3 years), and long-term (3 - 5 years) goals.
- Create milestones to allow regular checking of progress.
- Identify resources required to achieve short-term goals

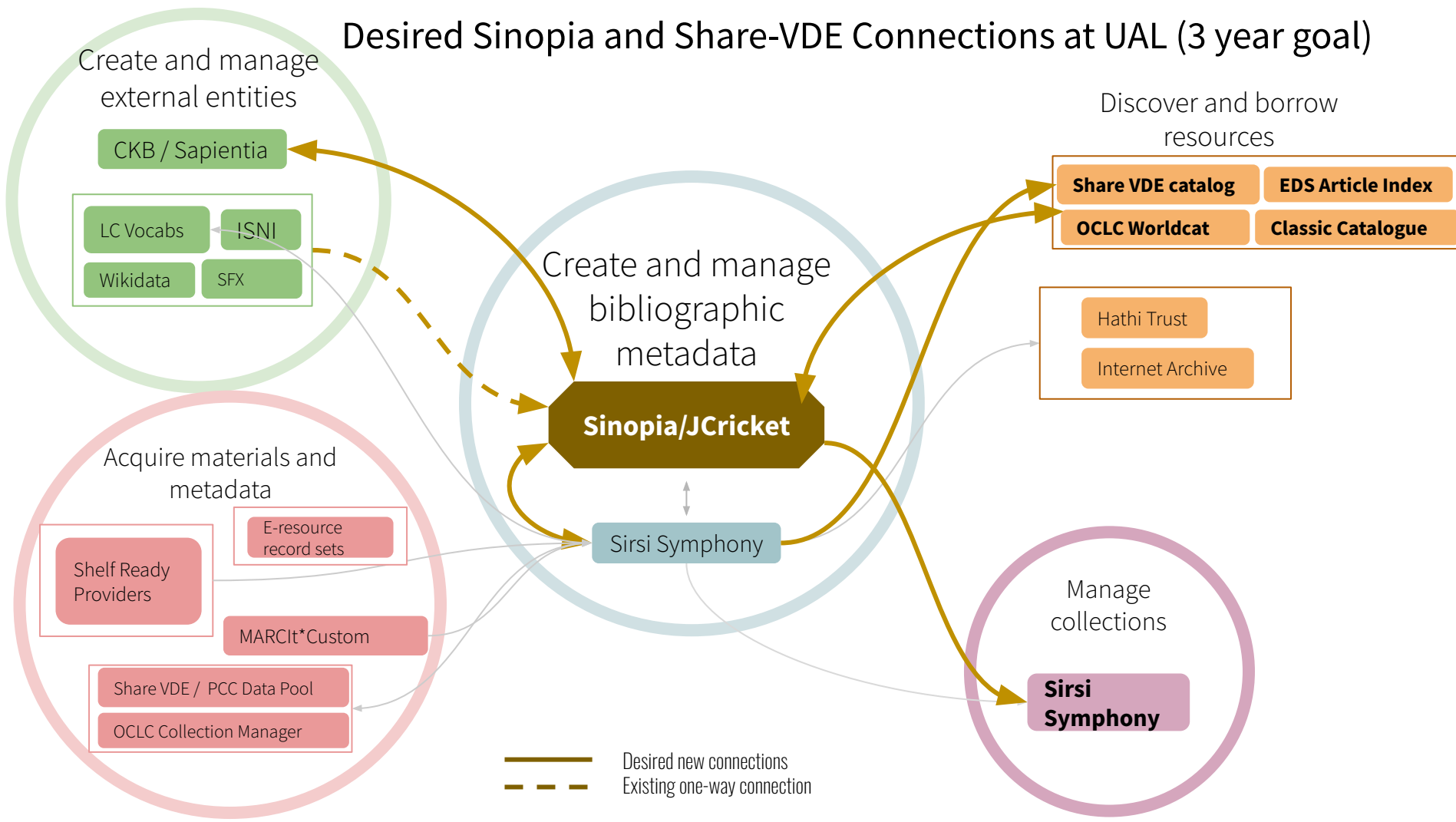
Is dependent on:

- Key international partnerships:
 - Program for Cooperative Cataloguing
 - LD4/LD4P
 - Share-VDE
 - + others

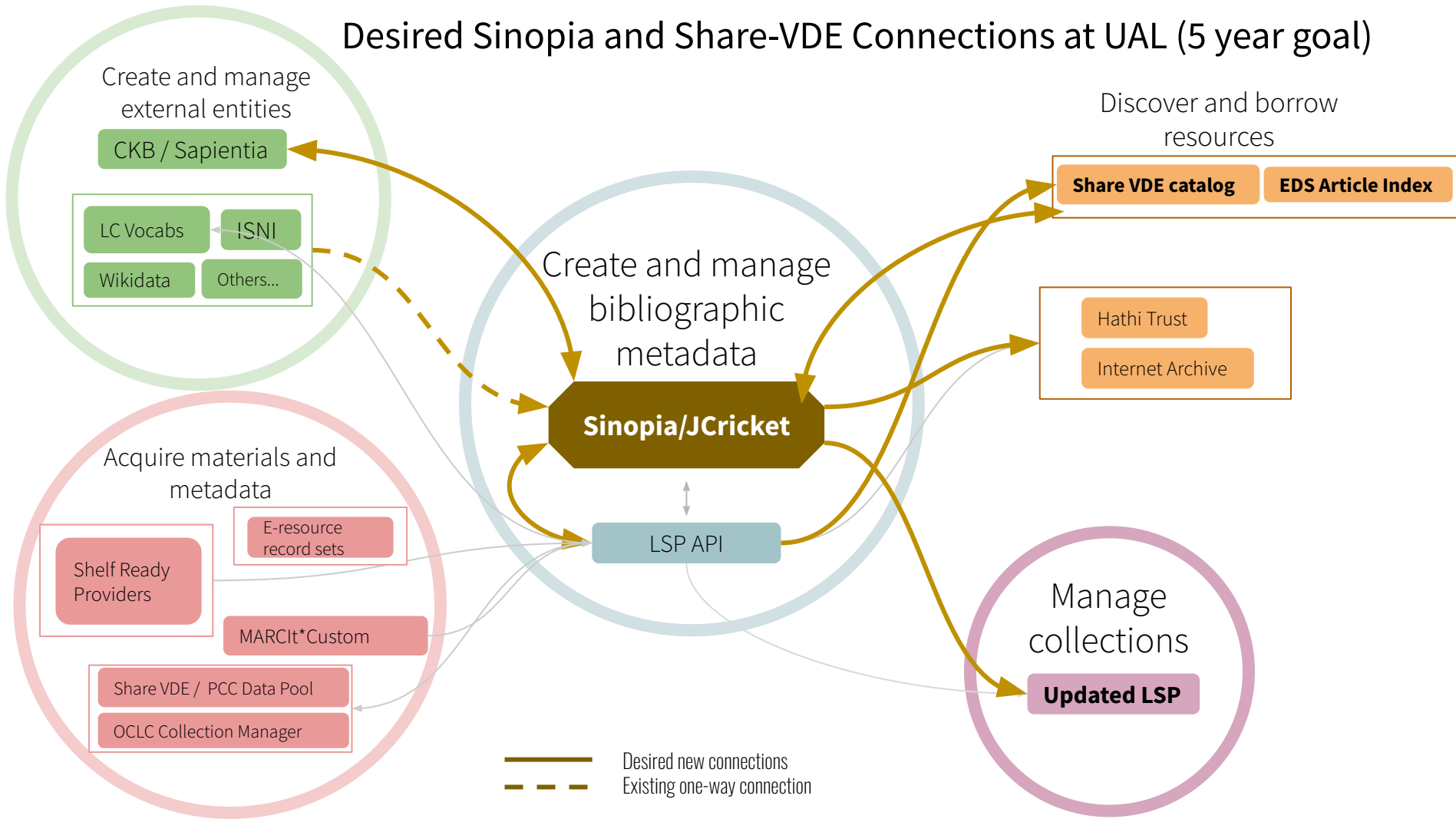
Why does this matter in the context of copy cataloguing?

This is a complex system to be developed over time

Desired Sinopia and Share-VDE Connections at UAL (3 year goal)



Desired Sinopia and Share-VDE Connections at UAL (5 year goal)



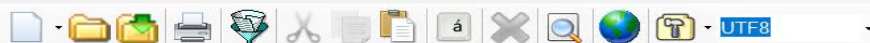
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► **Call Numbers and Items**

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Select All Clear Selections

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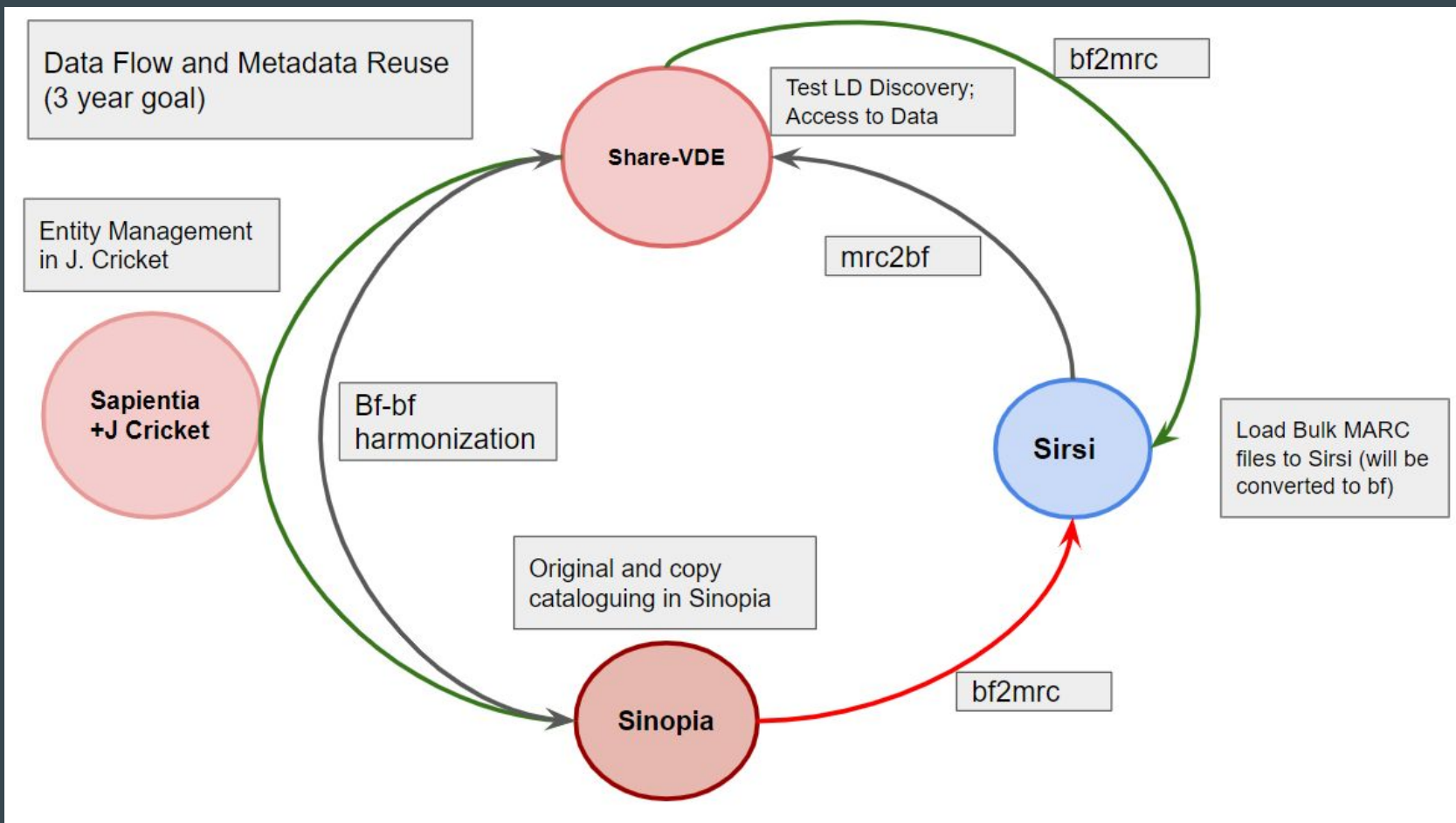


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The good news: We have the tools!





Has Item

> Identifiers

> Title Information

Statement of Responsibility

Edition Statement

Transcribed Provider Statement



Publication, Distribution, Manufacture, & Production

Copyright Date

Series Statement

Series Enumeration

Subseries Statement

Subseries Enumeration

Title Information *

Instance Title

[+ Add another Instance Title](#)

Property: <http://id.loc.gov/ontologies/bibframe/title>

Class: <http://id.loc.gov/ontologies/bibframe/Title>

[+ Add Main Title](#)

[+ Add Subtitle](#)

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[+ Add Part name](#)

[+ Add Note](#)

Parallel Title

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Sinopia

- Original and copy cataloguing
- Connection with Share-VDE to populate a larger data pool, including the PCC data pool
- Sinopia Middleware allowing for BIBFRAME to generate MARC for use in existing ILS

This means that we can look forward to changing original and copy cataloguing workflows to Sinopia (BIBFRAME), while still populating our Sirsi MARC dataset, and contributing to PCC.

Share-VDE

- A very large data pool to leverage for metadata re-use
- Host for PCC BIBFRAME data set

The Share Family institutions

The Share Family institutions are:

Share-VDE members		Share Family members	
Share-VDE full members	LD4P cohort members	Share-Catalogue Institutions	Kubikat-LOD project
Duke University	Cornell University	Università Degli Studi di Napoli "Federico II"	Kunsthistorisches Institut in Florenz
New York University	Frick Art Reference Library	Università degli Studi della Basilicata	Biblioteca Hertziana, Rome
Stanford University	Harry Ransom Center Texas A&M	Università Degli Studi di Napoli L'Orientale	Central Institute of Art History, Munich
University of Alberta - NEOS consortium	Harvard University	Università degli Studi di Napoli Parthenope	Deutsches Forum für Kunstgeschichte, Paris
University of Chicago	National Library of Medicine	Università del Salento	
University of Michigan at Ann Arbor	Northwestern University	Università degli Studi di Salerno	
University of Pennsylvania	Princeton University	Università degli Studi del Sannio RCost	
Yale University	University of California Davis	Università degli Studi della Campania "Luigi Vanvitelli"	
	University of California San Diego		
National libraries	University Colorado at Boulder		
Library of Congress	University of Minnesota		
National Library of Norway	University of Texas A&M		Share-Music project
National Library of Finland	University of Washington		Bayerische Staatsbibliothek
Smithsonian Institution			Library of Congress
The British Library			Stanford University



👤 Person ⓘ

Andrea Bocelli

Italian tenor and singer-songwriter (1958).

Andrea Bocelli is an Italian operatic tenor and multi-instrumentalist. He was diagnosed with congenital glaucoma at 5 months old, and became completely blind at age 12, following a soccer accident. After performing evenings in piano bars and competing in local singing contests, Bocelli signed his first recording contract with the Sugar Music label. He rose to fame in 1994, winning 44th Sanremo Music Festival performing "Il mare calmo della sera". – [Wikipedia](#)

More options ▾

🔍 Original works by

🔍 Publications by

Creator

Genre

3 results

Title	Year	Genre	Creators	⚙
🔍 Musica del silenzio		Fiction	👤 Andrea Bocelli (author)	
🔍 Werther			👤 Mario Basiola (other) 👤 Fulvio Vernizzi (other) 👤 Valeria Mariconda (other) 👤 Teatro alla Scala (other) 👤 Metropolitan Opera (New York, N.Y.) (other) 👤 Opéra-Comique (Paris, France) (other)	

QUERIES

STORED

HISTORY

Search Stored Queries ...

Share-VDE_C...

Untitled-1

Run

Show Plan

Reasoning

Share-VDE_prod

Save to File

Store Query

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1 select *
2 { graph ?g
3   <http://share-vde.org/sharevde/rdfbibframe/Work/1446050> ?p ?o .
4   ?o rdfs:label ?t
5 }
6 }
```

Run to File

Text

Charts

Visualize

40 Results, 1085 ms

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Share-VDE and MARC to BIBFRAME Conversion

- As with other institutions, UAL can continue to update our data set in Share-VDE from our ILS (Sirsi Symphony)

The implication here is that we can either catalogue in BIBFRAME with Sinopia, or we can add to our collection in BIBFRAME by continuing to catalogue in MARC with Sirsi Symphony as needed. For instance, for:

- Copy cataloguing from data pools that are not available in BIBFRAME yet
- For adding large data sets that are only available in MARC

What about transitioning other data sources?

Shelf-Ready Cataloguing:

- Library Services Centre
- Proquest

E-Book/Online Collections:

- Proquest
- What about others?

When do we focus on transitioning these types of Metadata ReUse?

Interchangeable Entities:

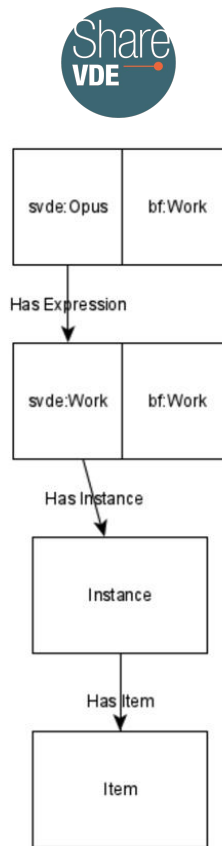
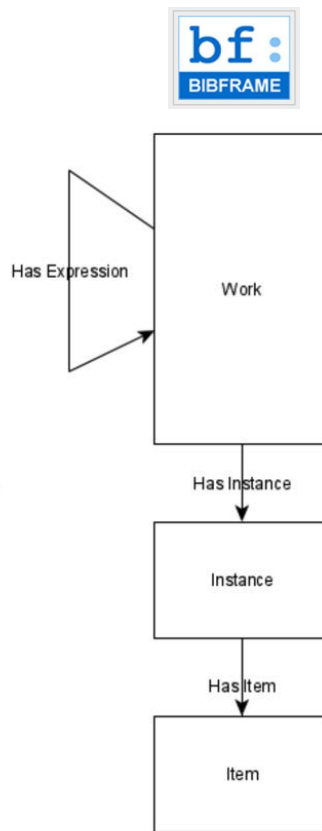
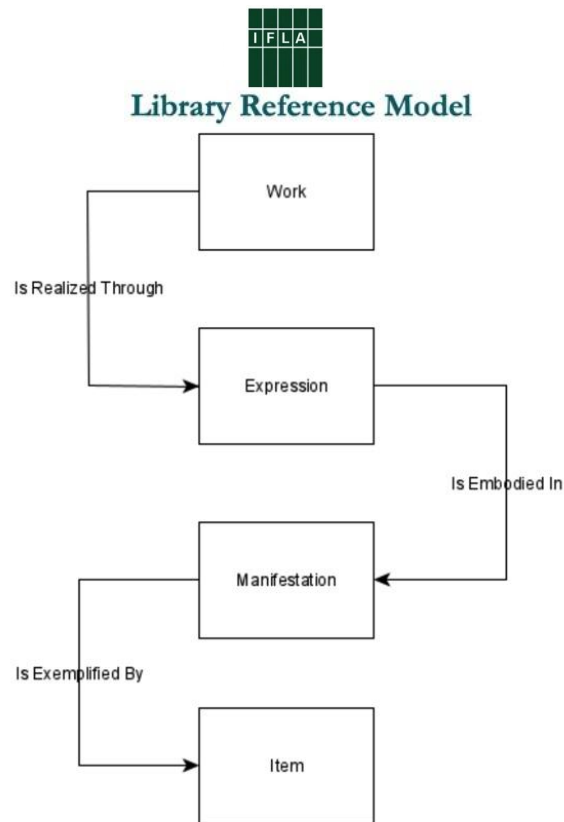
To briefly summarize, metadata reuse based on this hybrid ecosystem is supported by:

1. MARC21 to MARC21 workflows
2. MARC21 to BIBFRAME workflows
3. BIBFRAME to BIBFRAME workflows
4. BIBFRAME to MARC workflows

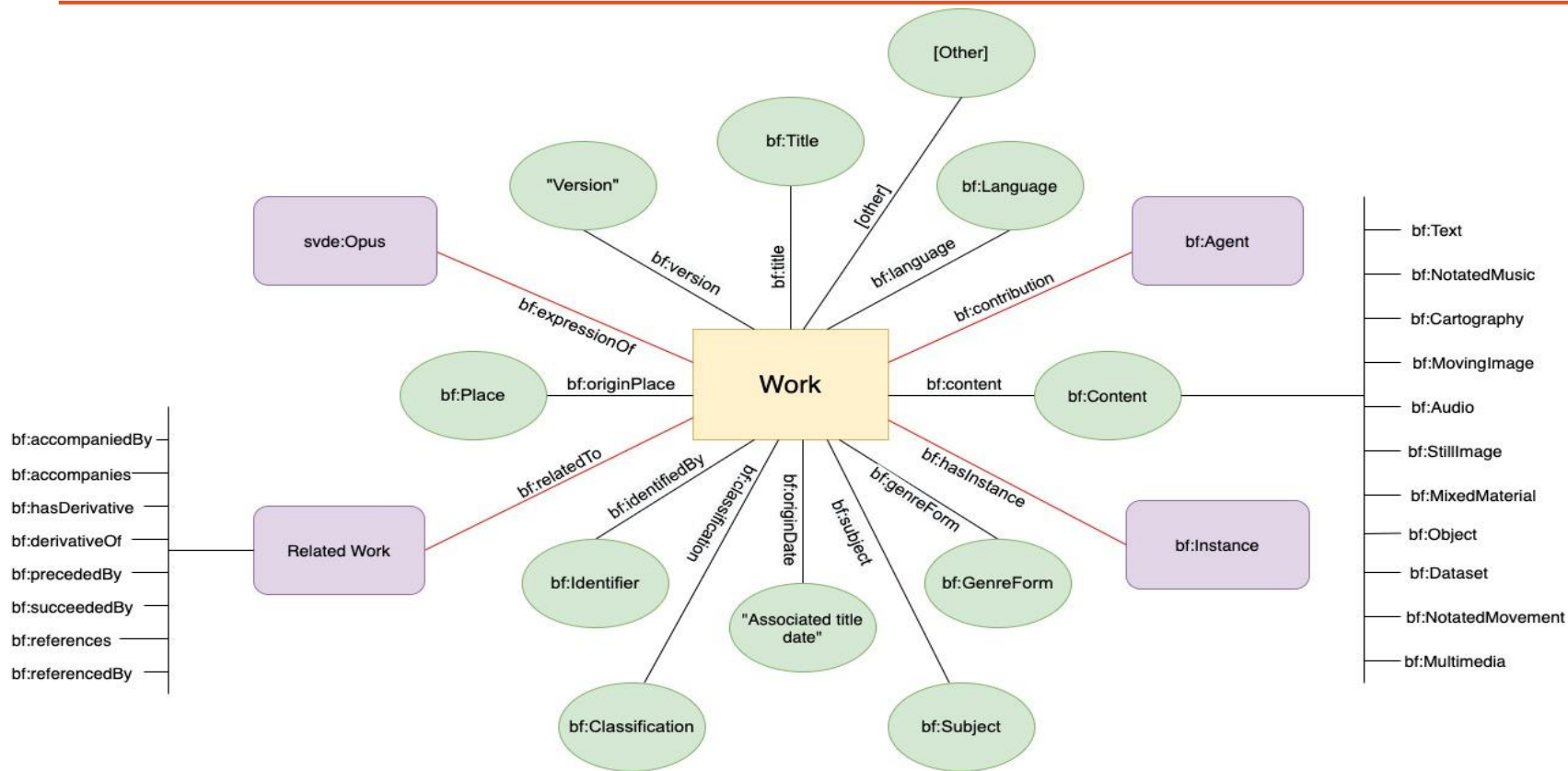
It should be obvious that standardization and interoperability of data become more important than ever here, but challenges quickly emerge:

- MARC vs simplified MARC
- BIBFRAME flavors, standardization, and shape
- The need for interchangeable entities, rather than copying of MARC files

Share-VDE entity model



Work modeling



These are not small challenges, but something BIG is coming

- BIBFRAME Interoperability Group (BIG)
- MARC Simplification
- Ongoing development and stabilization of API to connect data pools and enable data flow
- A push towards open data to support metadata reuse
 - See [PCC Open Data Policy](#)
- Iterative improvement and incremental change
 - We now need to ask ourselves how much BIBFRAME implementation is about available toolings, data, and technology, rather than project and change management?
- Overall though, so much depends on the ability to share data

Thank You!



Ian Bigelow

Head, Cataloguing Strategies

University of Alberta Library

bigelow@ualberta.ca