

BIBFRAME Implementation at UAL: Planning for Success



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BIBFRAME Workshop in Europe
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Overview:

Linked Data Development Trajectory at UAL

- Experimentation and exploration (xxxx-2017)
- Moving forward with linked data (2017-2019)
- Assessment and planning (2019-2022)
- Linked Data Implementation Plan (2022-2027)

“Cataloguing and metadata standards are in a period of significant change. Linked data is being incorporated into core standards, resulting in large scale data migrations and related implications for library systems ... University of Alberta Library (UAL) has been actively engaged with this transformation, working in partnership with standards organizations and other key collaborators. We are at a transformational moment, with linked data, in both BIBFRAME and non-BIBFRAME formats, poised to become the future data standard.” (Linked Data Implementation Plan)

...maybe we need a plan though?



UNIVERSITY
OF ALBERTA

LINKED DATA

Implementation Plan

https://docs.google.com/document/d/1heSEuYO_9fry764ywAZak2Zc5J5vpvMB-zqEg4cAPY8/edit?usp=sharing

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.

The Plan's Key Principles and Thematic Areas

Key Principles

- Leverage linked data as and where it makes sense to achieve our goals
- Position our activities in relation to open initiatives, and leverage linked data to enable better discovery and access to our data and collections
- Identify areas where staff expertise & resources can help us achieve our goals
- Leverage existing initiatives & developments to align & improve our practices
- Lead in decolonizing description initiatives

Thematic Areas

- Data integration and workflows between systems
- Shared vocabularies and authority files and supporting technologies
- Authority control & entity management
- Decolonizing description
- Data enhancement with URI enrichment

But keep in mind that:

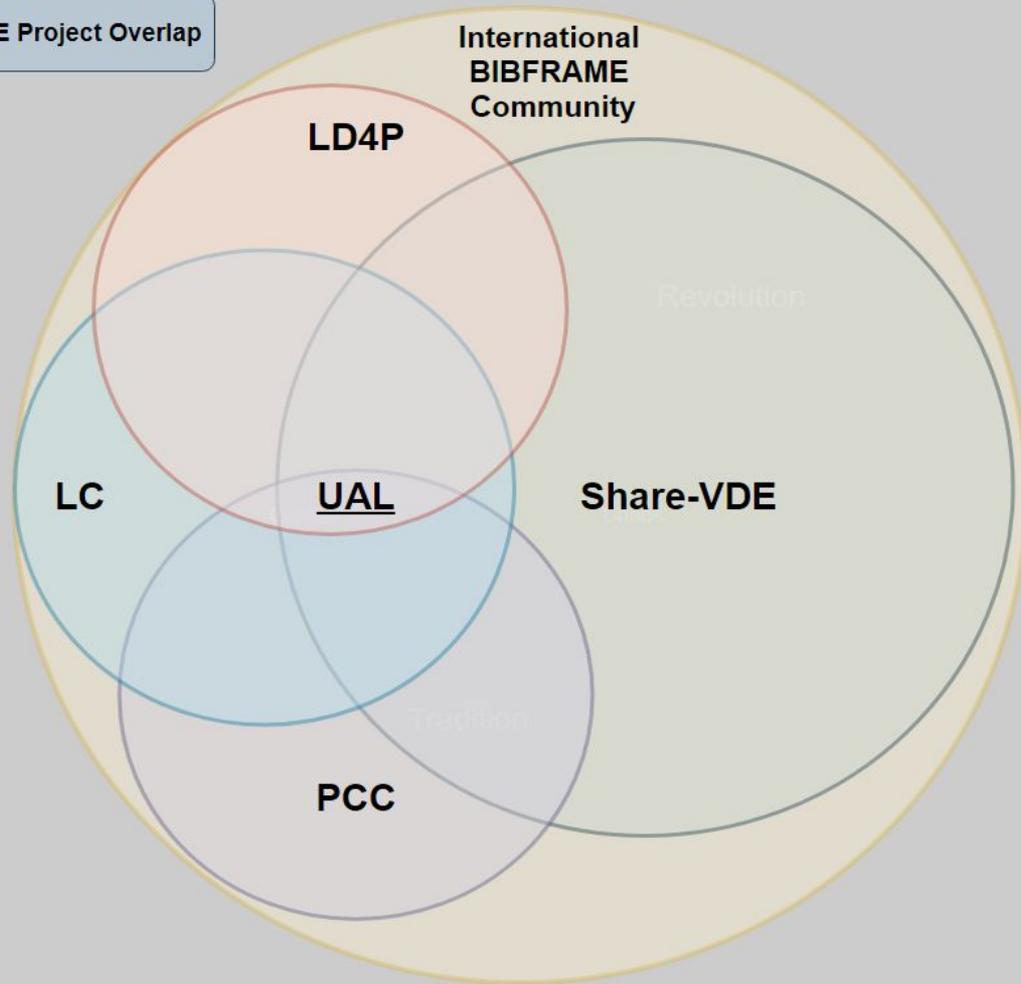
The plan strives to:

- 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 risks and dependencies to support project scoping and strategic decision making.
- Identify resources required to achieve short-term goals.

Is dependent on:

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

BIBFRAME Project Overlap



[Close](#)[Save](#)

_PCC BF2 Work (Monograph)

WORK

has Manifestation (BIBFRAME Instance)

[Work Title](#)[Variant Work Title](#)[Primary Contribution](#)[Contribution](#)[Form of Work](#)[Date of Work](#)[Place of Origin of the Work](#)[In Series](#)[>](#)[\(Geographic\) Coverage of the Content](#)[\(Time\) Coverage of the Content](#)[Intended Audience](#)

Class [Work \(http://id.loc.gov/ontologies/bibframe/Work\)](http://id.loc.gov/ontologies/bibframe/Work)
Optional Text (<http://id.loc.gov/ontologies/bibframe/Text>)
classes

has Manifestation (BIBFRAME Instance)



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

Enter your own URI and label

[ä](#)

Lookup with: Sinopia BIBFRAME instance resources

[Create New](#)[+ Add another has Manifestation \(BIBFRAME Instance\)](#)

Work Title

Title--Work Title

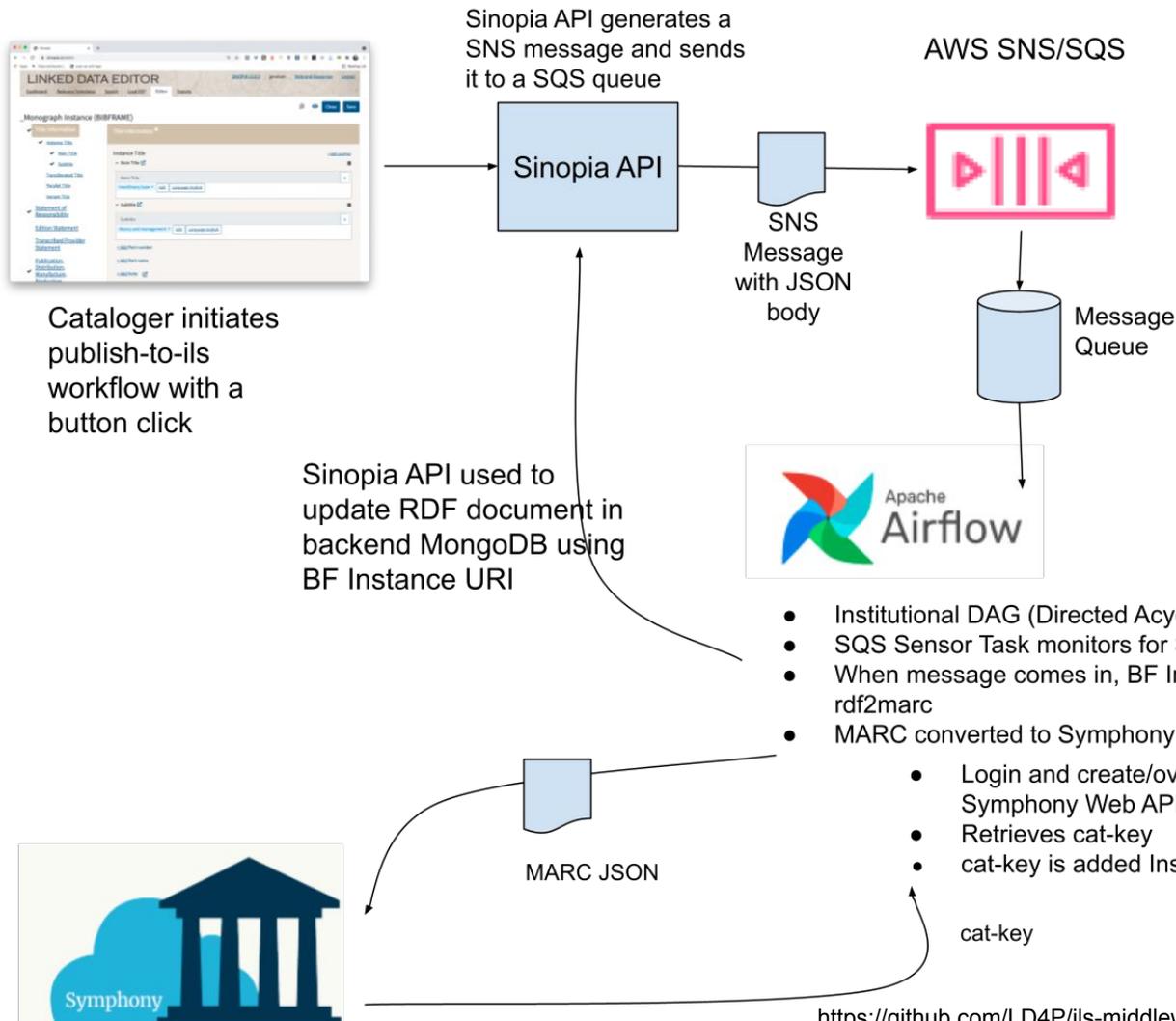
Property: Title (<http://id.loc.gov/ontologies/bibframe/title>)

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.

Sinopia MiddleWare



Share-VDE

- MARC2BIBFRAME Conversion
- Share-VDE Sapiaientia Cluster Knowledge Base (Stardog triplestore backend) and Associated Conversion and Enrichment Processes
- Authority Control/Entity Management Workflows
- Share-VDE J. Cricket Cluster Knowledge Base Editor
- UAL/NEOS Share-VDE Portal Instance
- PCC BIBFRAME Data Store



Share-VDE and MARC to BIBFRAME Conversion

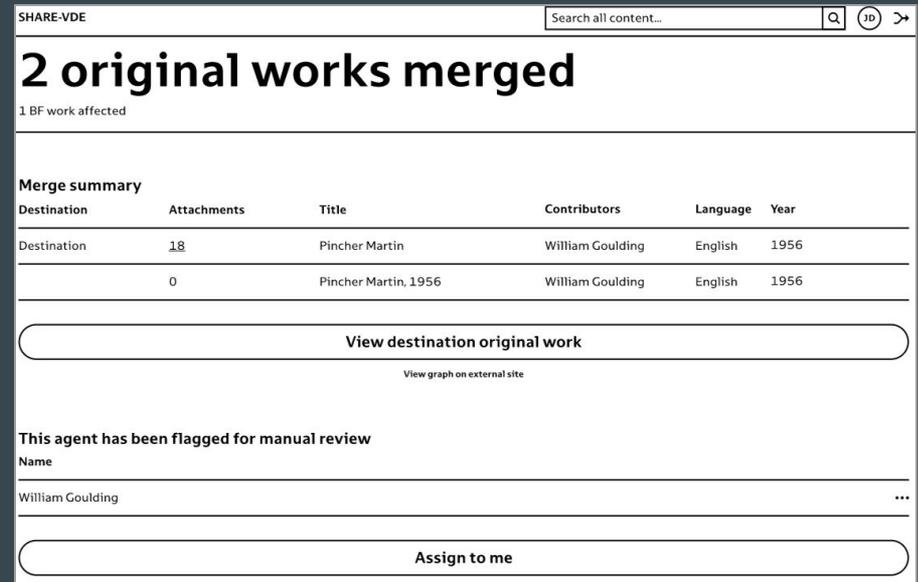
As with other institutions, UAL can continue to update our data set in Share-VDE from our ILS (Sirsi Symphony)

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

Sapientia Cluster Knowledge Base and the J.Cricket Editor

- The Sapientia Cluster Knowledge Base provides a shared BIBFRAME datastore to support cataloguing and discovery.
- The J.Cricket editing tool will allow for editing entity clusters in Sapientia, enabling several actions including creation, modification, merge of clusters of works, of agents etc.
- J.Cricket will extend authority capabilities through the integration with external data sources such as Wikidata and ISNI.



SHARE-VDE

2 original works merged

1 BF work affected

Merge summary

Destination	Attachments	Title	Contributors	Language	Year
Destination	18	Pincher Martin	William Goulding	English	1956
	0	Pincher Martin, 1956	William Goulding	English	1956

[View destination original work](#)

[View graph on external site](#)

This agent has been flagged for manual review

Name

William Goulding

[Assign to me](#)

Search for people, original works and publications

e.g. Jules Verne or Around the world in 80 days



[Advanced search](#)

Explore the library data of the 20+ Share-VDE member libraries

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👤 Person ⓘ

Andrea Bocelli

Italian tenor and singer-songwriter (1958). Born in Tuscany (Italy).

Andrea Bocelli is an Italian tenor and multi-instrumentalist. He was born visually impaired, with congenital glaucoma, and at the age of 12, Bocelli became completely blind, following a brain hemorrhage resulting from a football 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 the 44th Sanremo Music Festival performing "Il mare calmo della sera". - [Wikipedia](#)

More options ▾

🔍 Original works by

🔍 Publications by

🔍 Original works about

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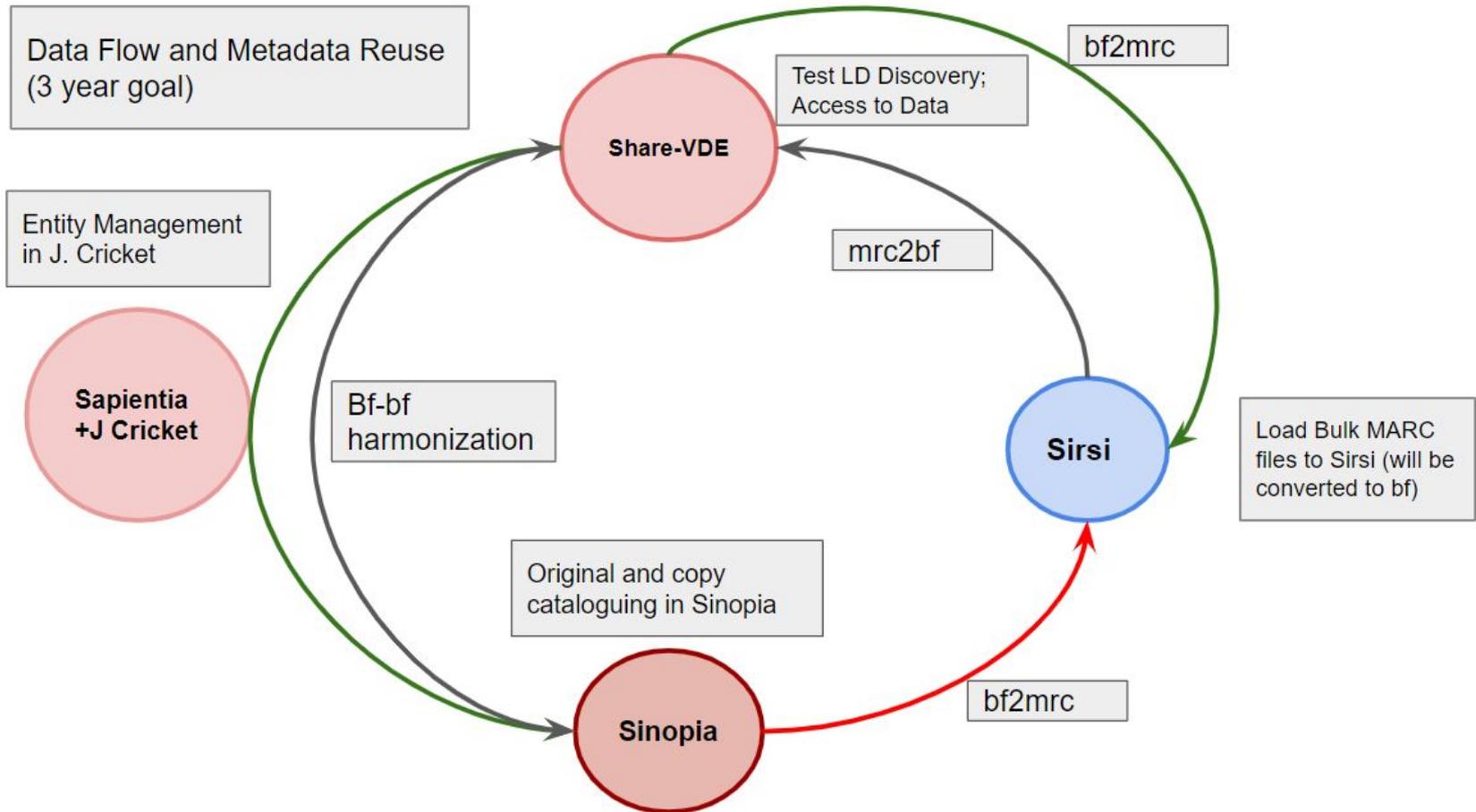
Creator

Genre

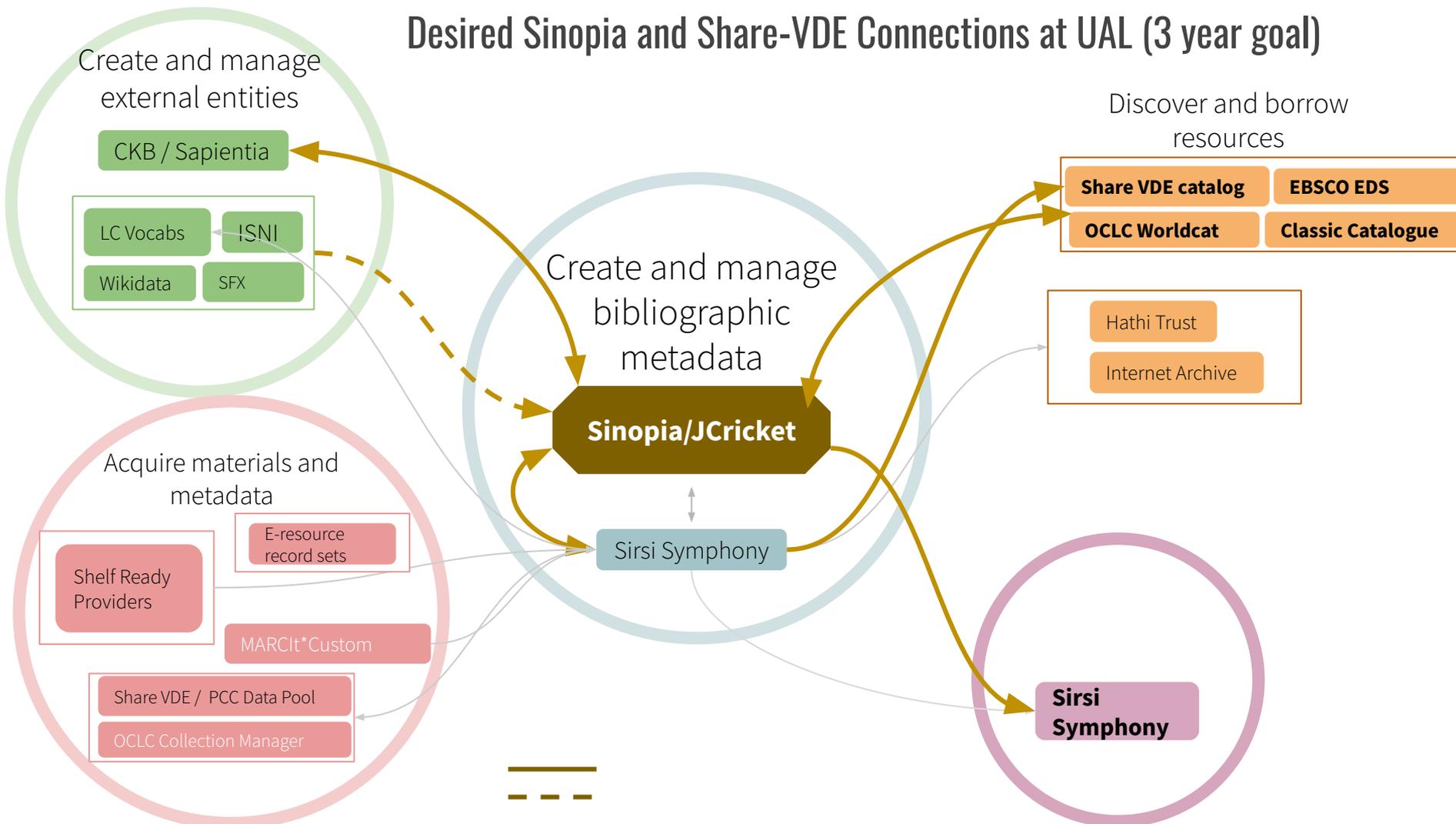
3 results

No.	Title	Year	Genre	Creators
1	🔍 Cinema		Catalogs/Directories/Popular music	<ul style="list-style-type: none"> 👤 Jean-Claude Lamy (editor) 👤 Laurent Delmas (editor) 👤 Jean-Claude Lamy (other) 👤 Laurent Delmas (other) 👤 Istituto italiano di cultura (Sydney, Australia) (other)

The good news: We have the tools!



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



Create and manage external entities

CKB / Sapiaientia

LC Vocab ISNI
Wikidata SFX

Create and manage bibliographic metadata

Sinopia/JCricket

Sirsi Symphony

Discover and borrow resources

Share VDE catalog EBSCO EDS
OCLC Worldcat Classic Catalogue

Hathi Trust
Internet Archive

Acquire materials and metadata

Shelf Ready Providers

E-resource record sets

MARCIt* Custom

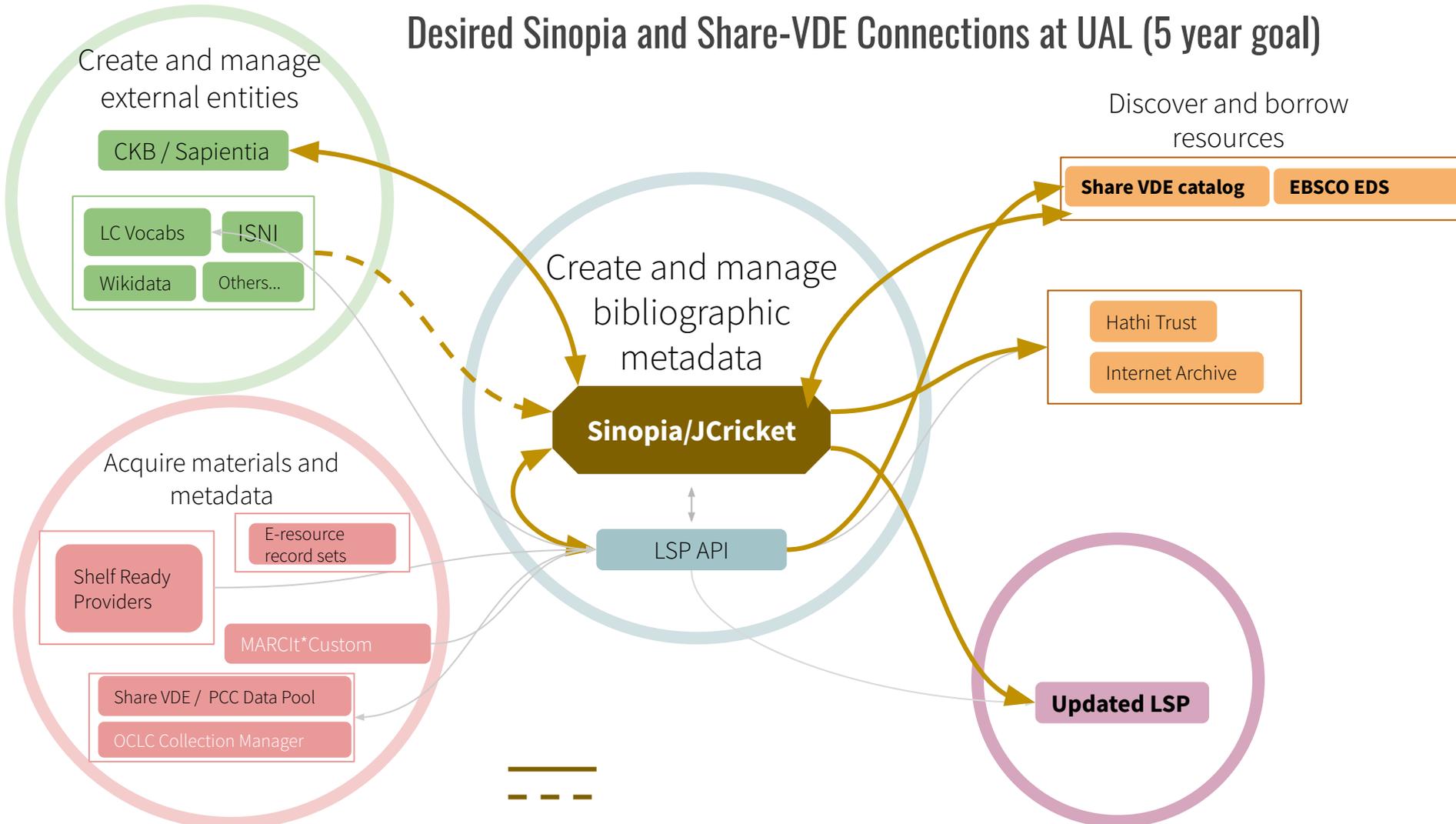
Share VDE / PCC Data Pool

OCLC Collection Manager

Sirsi Symphony



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



Developing a Local Linked Data Implementation Plan

Local Strategy

- Identify goals, scope and local context
 - What are your institutions strategic priorities and how does it fit?
- Identify required staff resource and training
 - Need to plan to commit time and resources to your staff throughout phases of the transition
- Build wide institutional support.

Community

- You are not going to do this alone. What communities and/or partners will you work with for linked data implementation?

Ecosystem Planning 1:

- Resource description: BIBFRAME Editor
 - Original and copy cataloguing
 - Work with your cataloguing standards and MAPs
- Pipelines
 - BIBFRAME to MARC
 - MARC to BIBFRAME
 - Connections for emergent tools to existing systems
- Authority control and entity management
 - Create and maintain entities and identifiers
 - In current systems to support moving to linked data
 - In linked data based systems

Ecosystem Planning 2:

- Catalogue and data stores
 - Where does your data live, and where is it managed
 - Keeping data in sync
- Open reusable data
 - Open data pools
 - Open data policy
- Discovery
 - Enhancing discovery with linked data
- Library systems
 - Prepare for hybrid in the short to medium term
 - What library systems will support linked data going forward?
 - Do you need to plan to migrate any tools or systems?

Thank You!



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