



A facilitator for the library community

SWIB - Semantic Web in Libraries, 27th November 2020

# A network of interconnected libraries

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# Share-VDE in 5 steps

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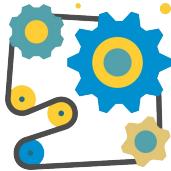
Share-VDE is an **initiative** lead by the **community of participating libraries**, with the aim of setting up linked data based workflows.

Share-VDE makes available

1. **conversion** of library catalogues from MARC to linked data;
2. **enrichment** of original MARC data and of the records converted in linked data with identifiers from external sources (e.g. ISNI, VIAF) and with original Share-VDE identifiers;
3. **reconciliation and clusterization** of entities created through library data conversion;
4. **delivery of converted and enriched data** to libraries for reuse in their systems;
5. **publication** of library records converted in linked on the discovery platform  
[www.share-vde.org](http://www.share-vde.org).

# Share-VDE pillars

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Integration



Autonomy

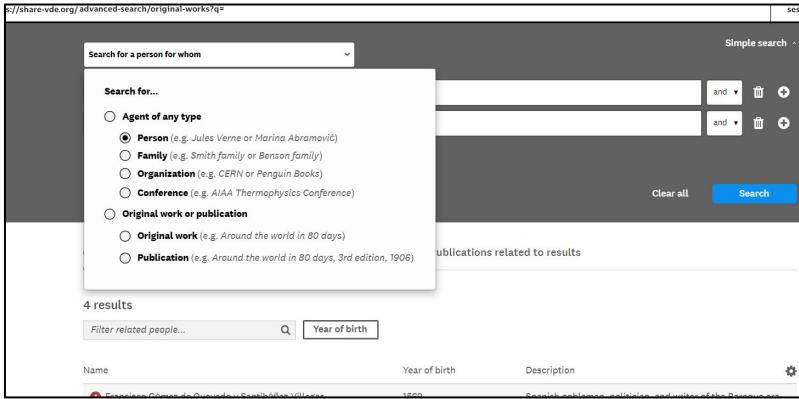


Community engagement

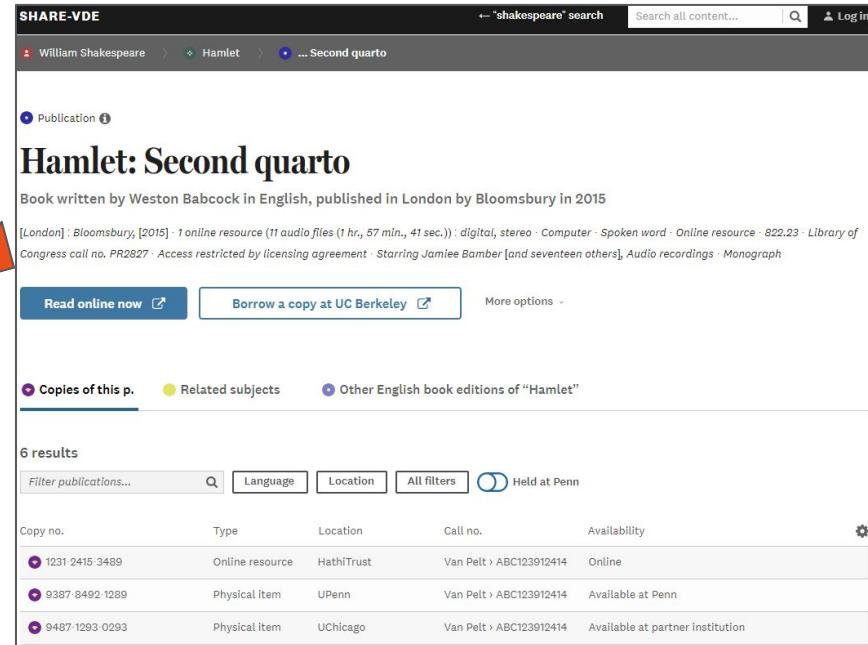


Shared vision

# Integration



The screenshot shows the SHARE-VDE advanced search interface. A dropdown menu is open under the heading "Search for a person for whom". The menu items include "Agent of any type", "Person", "Family", "Organization", "Conference", "Original work or publication", "Original work", and "Publication". The "Person" option is selected. Below the dropdown, there are search fields for "Name" and "Year of birth", and a "Search" button.



The screenshot shows the SHARE-VDE library catalog interface. The search results for "Hamlet: Second quarto" are displayed. The results are categorized by type: "Publication". The first result is "Hamlet: Second quarto" by William Shakespeare, published in London by Bloomsbury in 2015. Options to "Read online now" or "Borrow a copy at UC Berkeley" are shown. Below the main result, there are tabs for "Copies of this p.", "Related subjects", and "Other English book editions of "Hamlet"".

SHARE-VDE ← "shakespeare" search Search all content... Log in

William Shakespeare > Hamlet > ... Second quarto

Publication

## Hamlet: Second quarto

Book written by Weston Babcock in English, published in London by Bloomsbury in 2015

[London] : Bloomsbury, [2015] · 1 online resource (1 hr, 57 min., 41 sec.) : digital, stereo · Computer · Spoken word · Online resource · 822.23 · Library of Congress call no. PR2827 · Access restricted by licensing agreement · Starring Jamie Bamber [and seventeen others], Audio recordings · Monograph

Read online now Borrow a copy at UC Berkeley More options

Copies of this p. Related subjects Other English book editions of "Hamlet"

6 results

Copy no.	Type	Location	Call no.	Availability
1231-2415-3489	Online resource	HathiTrust	Van Pelt > ABC123912414	Online
9387-8492-1289	Physical item	UPenn	Van Pelt > ABC123912414	Available at Penn
9487-1293-0293	Physical item	UChicago	Van Pelt > ABC123912414	Available at partner institution

Integration is the core of the SVDE platform that aggregates data from multiple libraries to form clusters of entities.

# Autonomy

The screenshot shows a library catalog interface. At the top, there's a search bar with placeholder text 'Search all content...' and a user dropdown 'Jane Doe'. Below the header, the search results for 'Hamlet' are displayed. The first result is a link to 'Original Work' for 'Hamlet' by William Shakespeare. The page includes a thumbnail of an old book cover, a brief summary of the play, and two buttons: 'Read online now' and 'Get it now at Van Pelt'. Below this, a section titled 'Library-held publications of Hamlet' lists one result: 'Hamlet: Second quarto' held at Penn, written by Michael Heppell, in English, located at Penn, and available online.

Kubikat-LOD parallel project platform

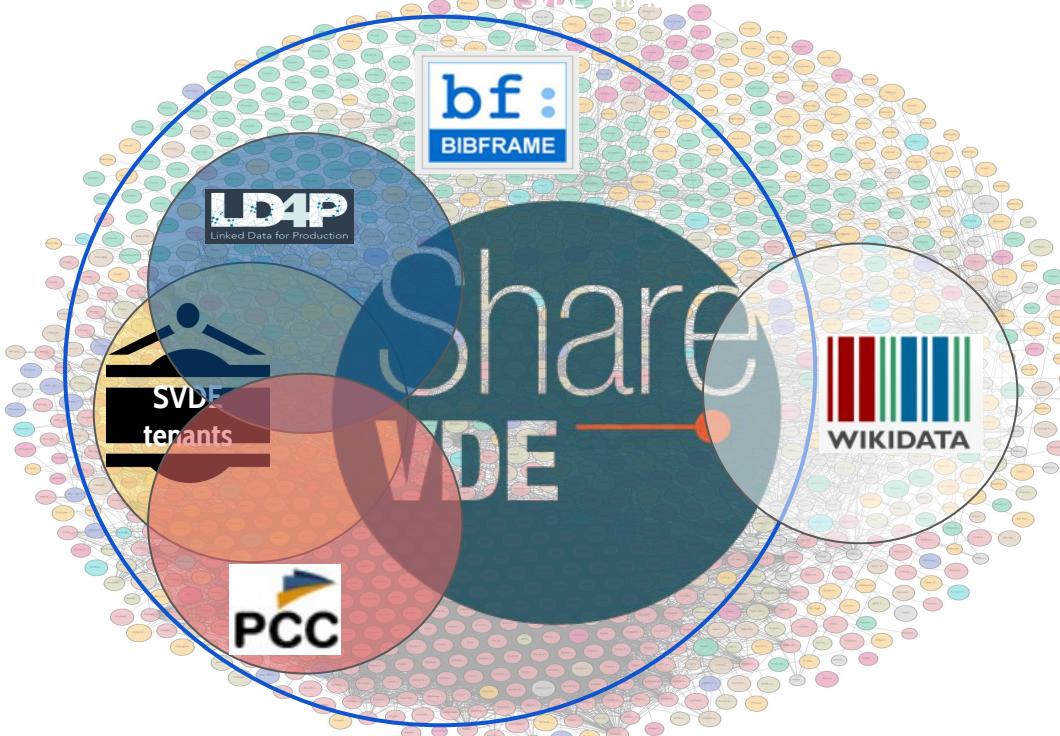
## SVDE localisation for the University of Pennsylvania

The screenshot shows the Kubikat-LOD prototype platform. The top navigation bar has tabs for 'Browse', 'Person' (selected), and 'Work'. The main content area features a large title 'Kubikat-LOD' and a section titled 'THE KUBIKAT-LOD PROJECT'. It describes the project as a collaborative venture to unite and connect resources from the Kubikat union catalogue using a BIBFRAME Linked Data model. Below this, a paragraph explains the aim of the initiative: to offer users interoperability, visibility, and discoverability for various resources through a rich search environment. At the bottom, a note states that the current prototype contains bibliographic data updated to February 15th, 2019.



# Community engagement

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Communication and events:

**wiki platform** <https://wiki.share-vde.org/>  
that will serve both as a showcase as well as  
a collaborative platform among SVDE  
members

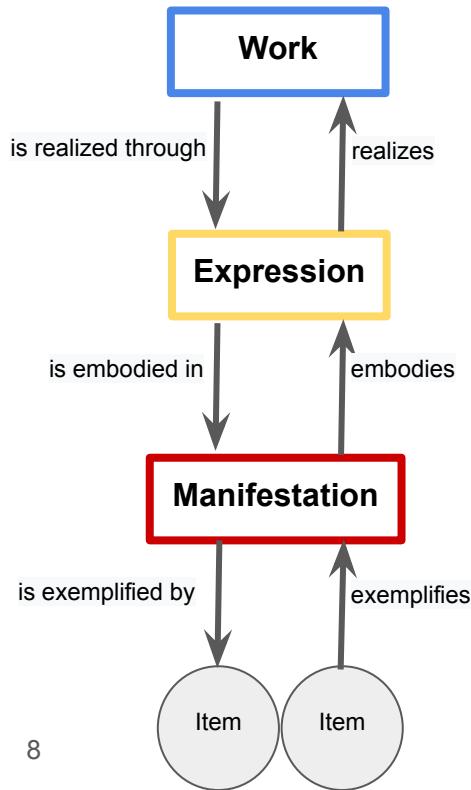
**events:** ALA MW, LIBER conference, LD4  
conference, European BIBFRAME Workshop

**articles and resources:**

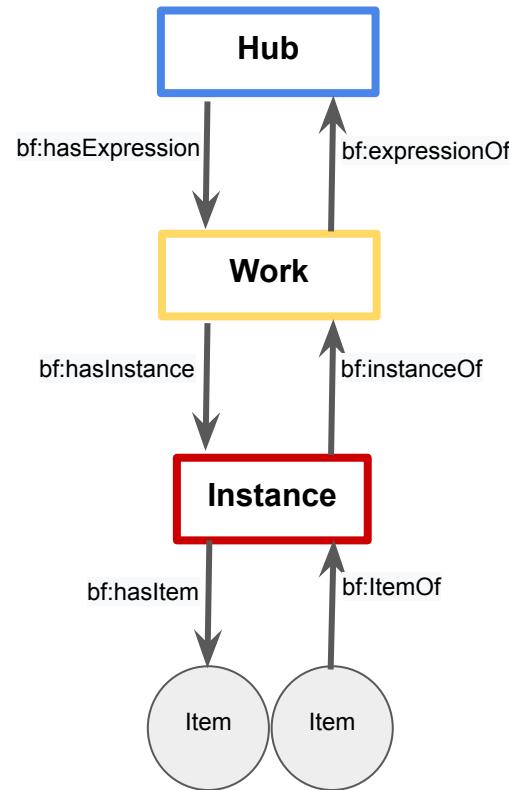
[https://wiki.share-vde.org/wiki/ShareVDE:Resources#Bibliographic\\_references](https://wiki.share-vde.org/wiki/ShareVDE:Resources#Bibliographic_references)

# Shared vision

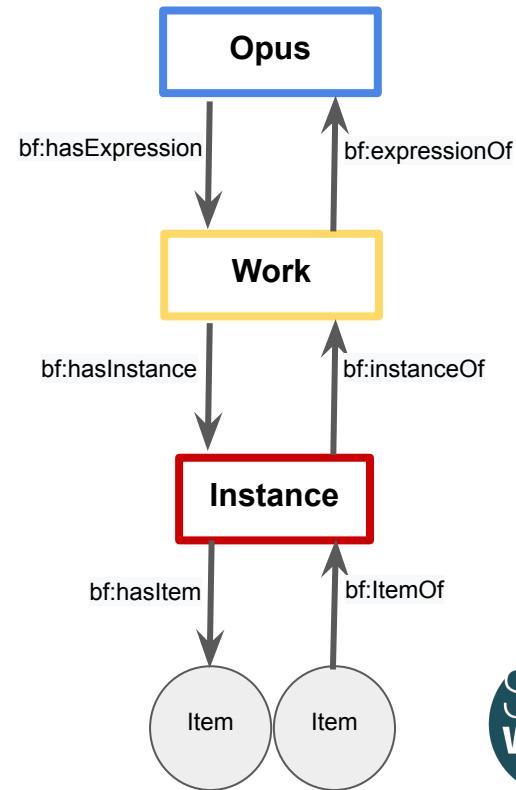
IFLA-LRM



BIBFRAME



Share-VDE

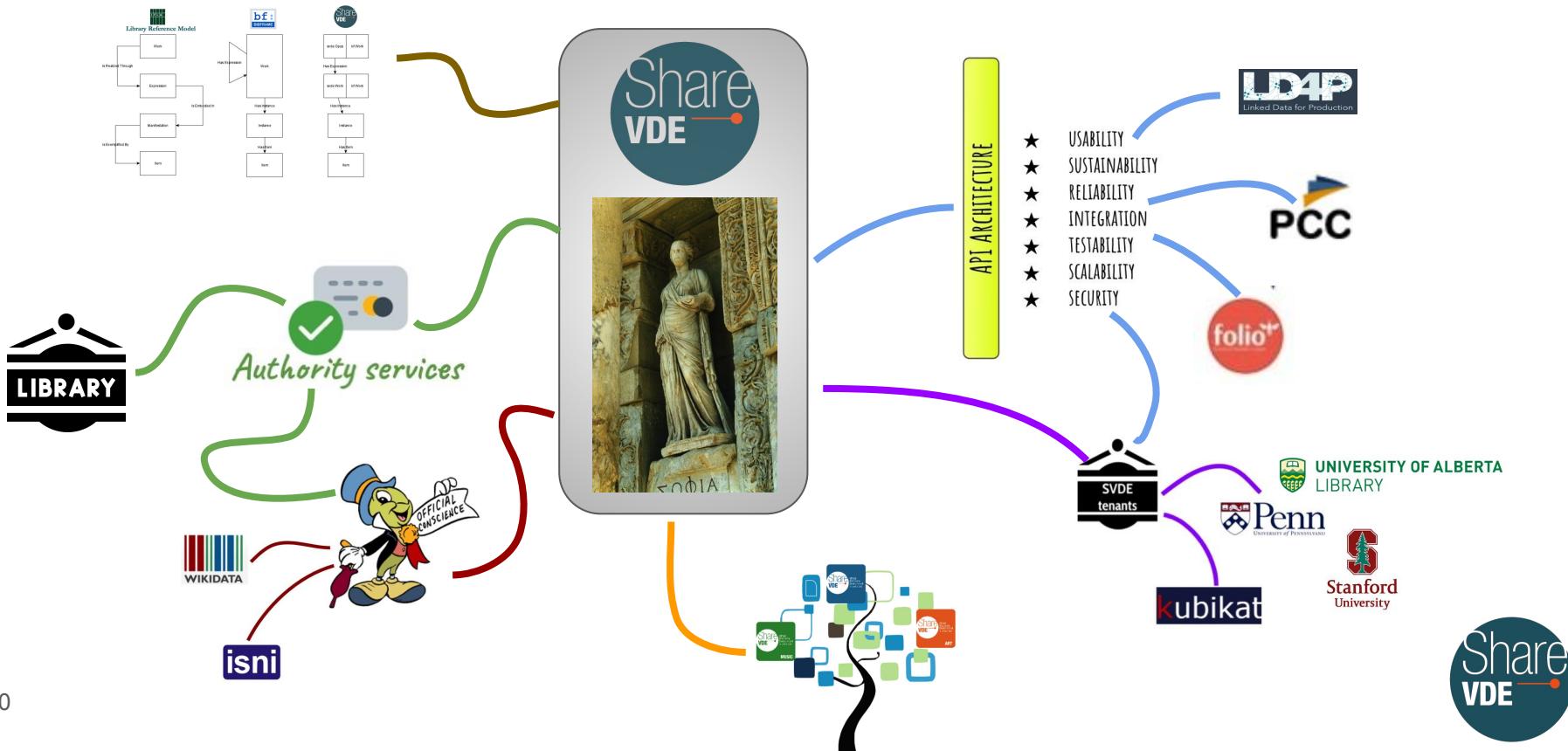


# (Some of) Share-VDE interconnections

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# Sapientia ecosystem



# Facilitate integration with local library services

Main Share-VDE platform (new interface in progress)

SHARE-VDE

→ "shakespeare" search Search all content... Log in

William Shakespeare > Hamlet

Original Work Hamlet

Written by William Shakespeare in English

The Tragedy of Hamlet, Prince of Denmark, often shortened to Hamlet (⟨'hæmlɪt⟩), is a tragedy written by William Shakespeare sometime between 1599 and 1602. Set in Denmark, the play depicts Prince Hamlet and his revenge against his... — [Wikipedia](#)

Read online now ↗ More options ▾

View alternative and foreign titles for this original work

URI <https://www.share-vde.org/5175821> Copy

Download this page in these formats

MARC PDF XML CSV Availability

More information about this original work on other websites

Library of Congress VIAF Wikidata

Available online Available at Penn Available at partner inst. Available at Penn

Library-held publications of Hamlet Related O

8 results Filter publications... Availability Language Location

Title

- Hamlet: Second quarto
- Hamlet / Shakespeare ; traduction et préf. de Maurice Castelain
- Hamlet; drama em cinco actos. Tradução portuguesa
- Hamlet; second quarto, 1604-5.

Localisation for the University of Pennsylvania

am-shakespeare-id5175821/library-publications-of-hamlet

Penn Libraries Catalog Search all content... Jane Doe

William Shakespeare > Hamlet

Original Work Hamlet

Written by William Shakespeare in English

The Tragedy of Hamlet, Prince of Denmark, often shortened to Hamlet (⟨'hæmlɪt⟩), is a tragedy written by William Shakespeare sometime between 1599 and 1602. Set in Denmark, the play depicts Prince Hamlet and his revenge against his... — [Wikipedia](#)

Read online now ↗ Get it now at Van Pelt More options ▾

Library-held publications of Hamlet Related Original Works

8 results Filter publications... Availability Language All filters Held at Penn ADD FORMAT

Title Person name Language Location Availability

- Hamlet: Second quarto Michael Heppell English Penn Available online

# From linked data publication to linked data editing

The screenshot shows a web application interface for 'SHARE-VDE'. At the top, there's a search bar with 'Search all content...' and a magnifying glass icon. Below the search bar, the title 'Person' and the name 'William Golding' are displayed in large bold letters. A small thumbnail image of a book cover is to the left of the name. Below the name, a subtitle reads 'British novelist, poet, playwright and Nobel Prize for Literature laureate'. A brief biography follows, mentioning his debut novel 'Lord of the Flies' (1954) and his award of the Booker Prize for 'Rites of Passage'. There's also a link to 'Wikipedia'. Below the biography, there are 'More options' and three tabs: 'Original works by', 'Original works about', and 'Related people'. Under the 'Original works by' tab, there are filter buttons for 'Filter...', 'Location', 'Language', and 'All filters'. A table lists three publications: 'Lord of the flies' (1954), 'Pincher Martin, 1956 novel.' (1956), and another entry for 'Pincher Martin' (1956). At the bottom of the list, there's a button 'Click to add to merge list' with a downward arrow. At the very bottom of the page, there are links for '2 original works selected', 'View selected ^', 'Deselect all', 'Add relationship', 'Merge', and 'Add to my merge list'.



SVDE is evolving from a discovery platform that converts MARC data of libraries in Linked Open Data to an interactive authoritative source providing real services for libraries. This transition is happening through the editor named J. Cricket, that is the new application dedicated to the editing of SVDE clusters of data in a collaborative environment.

# From linked data publication to linked data editing

The editing tool J.Cricket will allow for editing the SVDE Cluster Knowledge Base, Sapientia, enabling several actions on the clusters of entities saved in SVDE database, 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 Search all content... < >

## 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

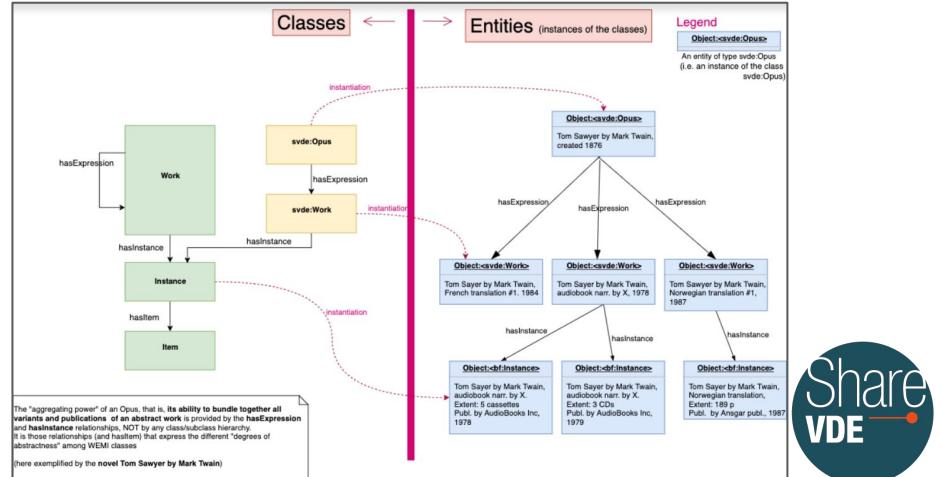
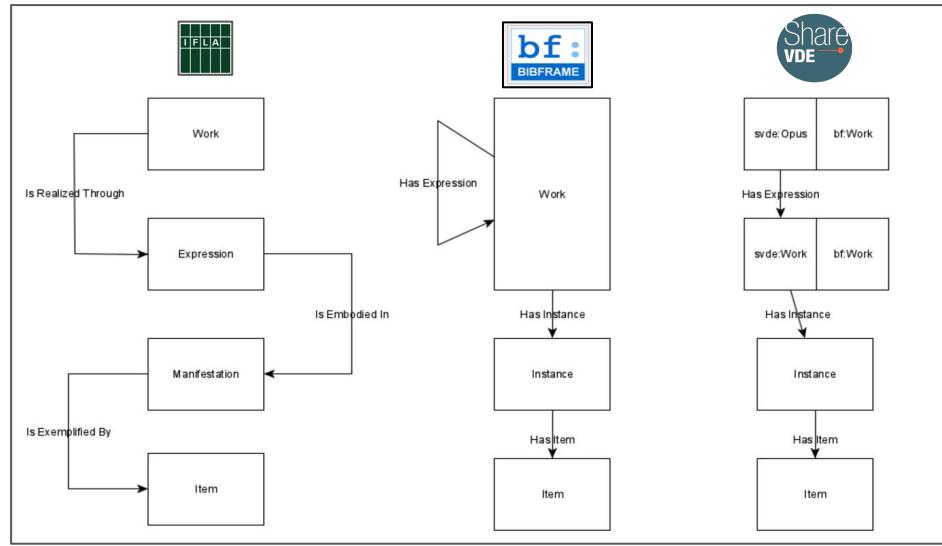
William Goulding ...

[Assign to me](#)

# Facilitate interoperability between entity models...

Participation in LD4P3: the challenge of **data models interoperability**

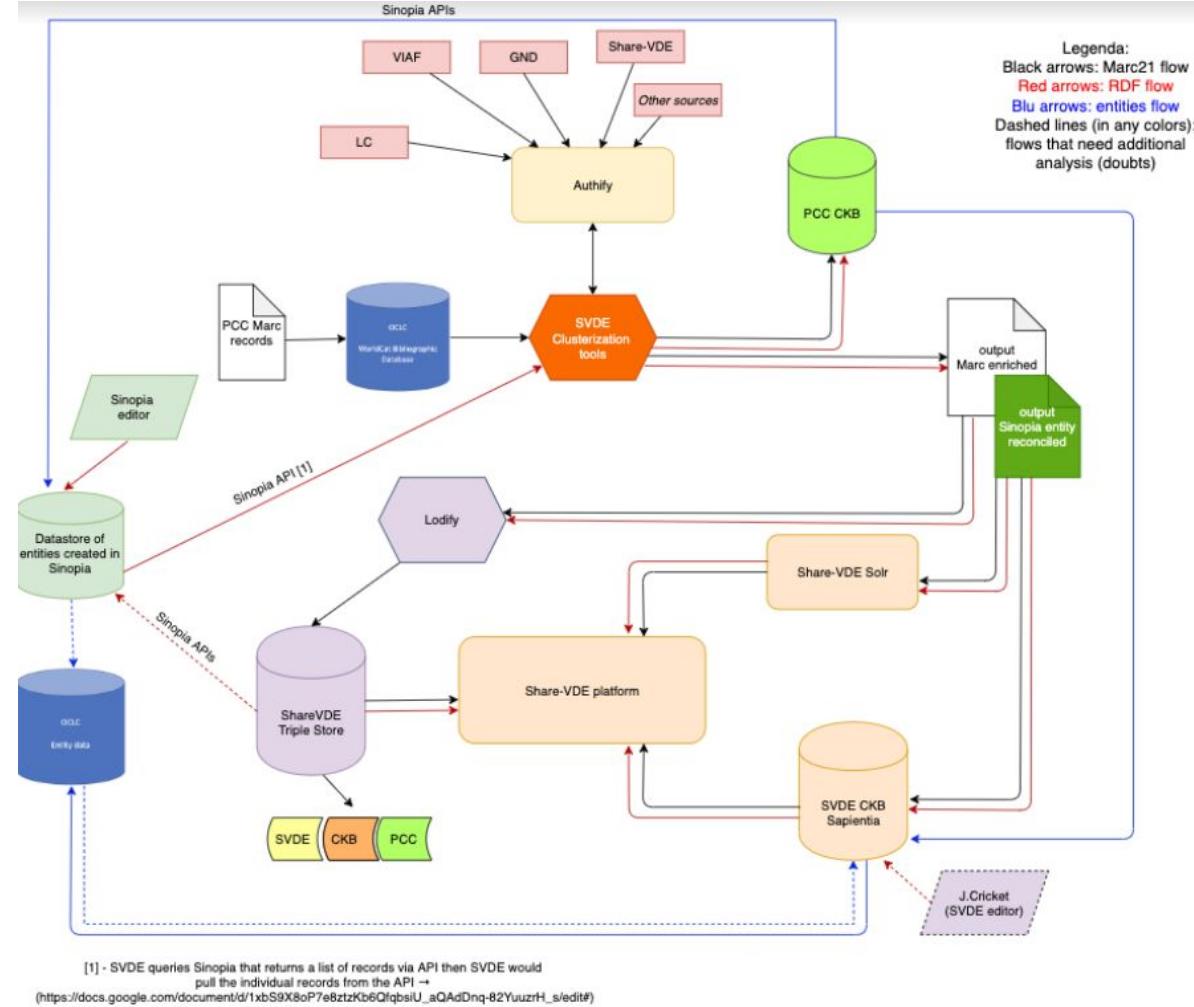
See the [SVDE entity model compared to BF and LRM](#) and an [example of application of the model](#)



# ...and interaction with other environments

Participation in LD4P3:  
SVDE as one of the components to **close the loop** and put together MARC and BIBFRAME cataloguing

See the diagram online here



# Next steps: integration with authority data sources

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Wikidata is increasingly authoritative and is used in the library community as a source for entity identification (SVDE property on Wikidata [Share-VDE author ID](#))



Query the source and enrich SVDE data with Wikidata entities information and vice versa → connection with [Casalini participation in the PCC Wikidata pilot](#)



Ad hoc SVDE working group is studying the use cases for interaction (e.g. starting points for the analysis are [API:Main page](#) + [Wikibase/API](#), and other documentation)



Major challenge: alignment between Wikidata and SVDE entities

# Integration of Wikidata IDs in SVDE with J.Cricket

← → Connect external IDs · Share-VDE

## Share-VDE

Search all content... ...

### Connect to external IDs

Name

OCLC VIAF Wikidata LC GND BNF Other...

**Wikidata item Q336030**

This Wikidata entity has a potential duplicate on Wikidata Review for merge

**Isaiah Thomas**  
American basketball player  
1954-2017

Sex or gender  
Male

Country of citizenship  
United States of America

Country for sport  
United States of America

Birth name  
Isaiah Jamar Thomas (English)

Date of birth  
7 February 1989

Place of birth  
Tacoma

Occupation  
Basketball player

Position played on team / speciality  
Point guard

A photograph of Isaiah Thomas, a basketball player, wearing a Sacramento Kings jersey with number 22, dribbling a basketball.

**Connected**

+ Create new wikidata item for "John Doe"

Done



Virtual  
Discovery  
Environment

# Thank you!

<https://wiki.share-vde.org/>

anna.lionetti@casalini.it

<https://share-vde.org>  
info@share-vde.org