



A facilitator for the library community

SWIB - Semantic Web in Libraries, 27th November 2020

SWIB20
Semantic Web in Libraries

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A network of interconnected libraries



Share-VDE in 5 steps

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.

Share-VDE pillars



Integration



Autonomy



Community engagement



Shared vision

Integration

Search for a person for whom

Simple search

Search for...

- ☐ Agent of any type
- ☒ Person (e.g. Jules Verne or Marina Abramović)
- ☐ Family (e.g. Smith family or Benson family)
- ☐ Organization (e.g. CERN or Penguin Books)
- ☐ Conference (e.g. AIAA Thermophysics Conference)
- ☐ Original work or publication
- ☐ Original work (e.g. Around the world in 80 days)
- ☐ Publication (e.g. Around the world in 80 days, 3rd edition, 1906)

Clear all Search

4 results

Filter related people... Year of birth

Name	Year of birth	Description
...

SHARE-VDE

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 (11 audio files (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 Jamlee 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

Filter publications... Language Location All filters Held at Penn

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 the Penn Libraries Catalog interface. At the top, there's a search bar and a user profile for Jane Doe. The breadcrumb trail indicates the path: William Shakespeare > Hamlet. The main content area features a book cover for 'The Tragicall Historie of HAMLET, Prince of Denmark' by William Shakespeare. Below the cover, the title 'Hamlet' is prominently displayed, followed by 'Written by William Shakespeare in English'. A descriptive paragraph mentions the play's origin and a link to Wikipedia. Action buttons include 'Read online now', 'Get it now at Van Pelt', and 'More options'. Below this, there are tabs for 'Library-held publications of Hamlet' and 'Related Original Works'. The 'Library-held publications' tab is active, showing 8 results. A filter bar allows users to filter by availability, language, and filters, with an 'ADD FORMAT' button. A table lists the results, with the first entry being 'Hamlet: Second quarto' by Michael Heppell, in English, available online at Penn.

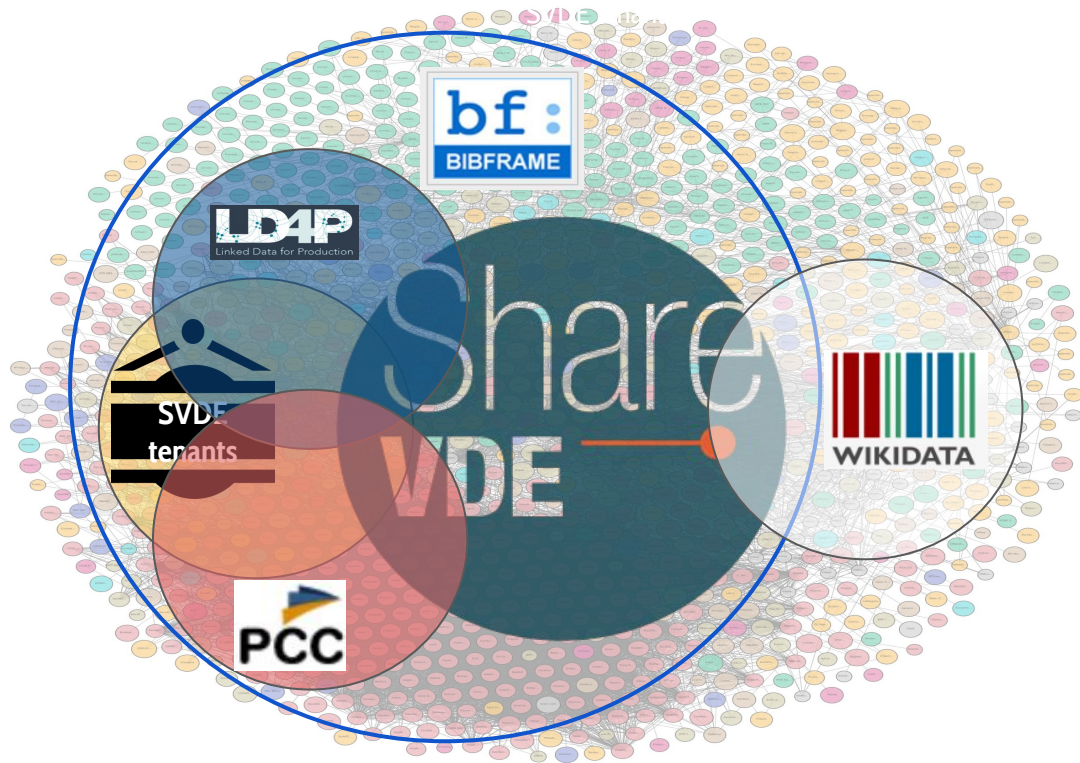
Title	Person name	Language	Location	Availability
Hamlet: Second quarto	Michael Heppell	English	Penn	Available online

SVDE localisation for the University of Pennsylvania

The screenshot shows the Kubikat-LOD project website. The header features the 'Kubikat-LOD' logo and a 'Browse' button. Below the header, there are input fields for 'Person' and 'Work'. The main content area is titled 'THE KUBIKAT-LOD PROJECT' and contains a paragraph describing the project as a collaborative venture to unite and connect resources of the Kubikat union catalogue in a discovery platform based on the BIBFRAME Linked Data model. It further explains the aim of the initiative to offer a single, shared point of access to various catalogues, enhancing interoperability and discoverability. The text mentions that the data is enriched with information from authoritative sources and form progressively connections among library, museum and archive domains, specifically mentioning the Gemeinsame Normdatei (GND) and its integration with numerous external sources. At the bottom, it states that the current prototype contains bibliographic data held by the Kubikat member libraries updated to February 15th 2019.



Community engagement



Communication and events:

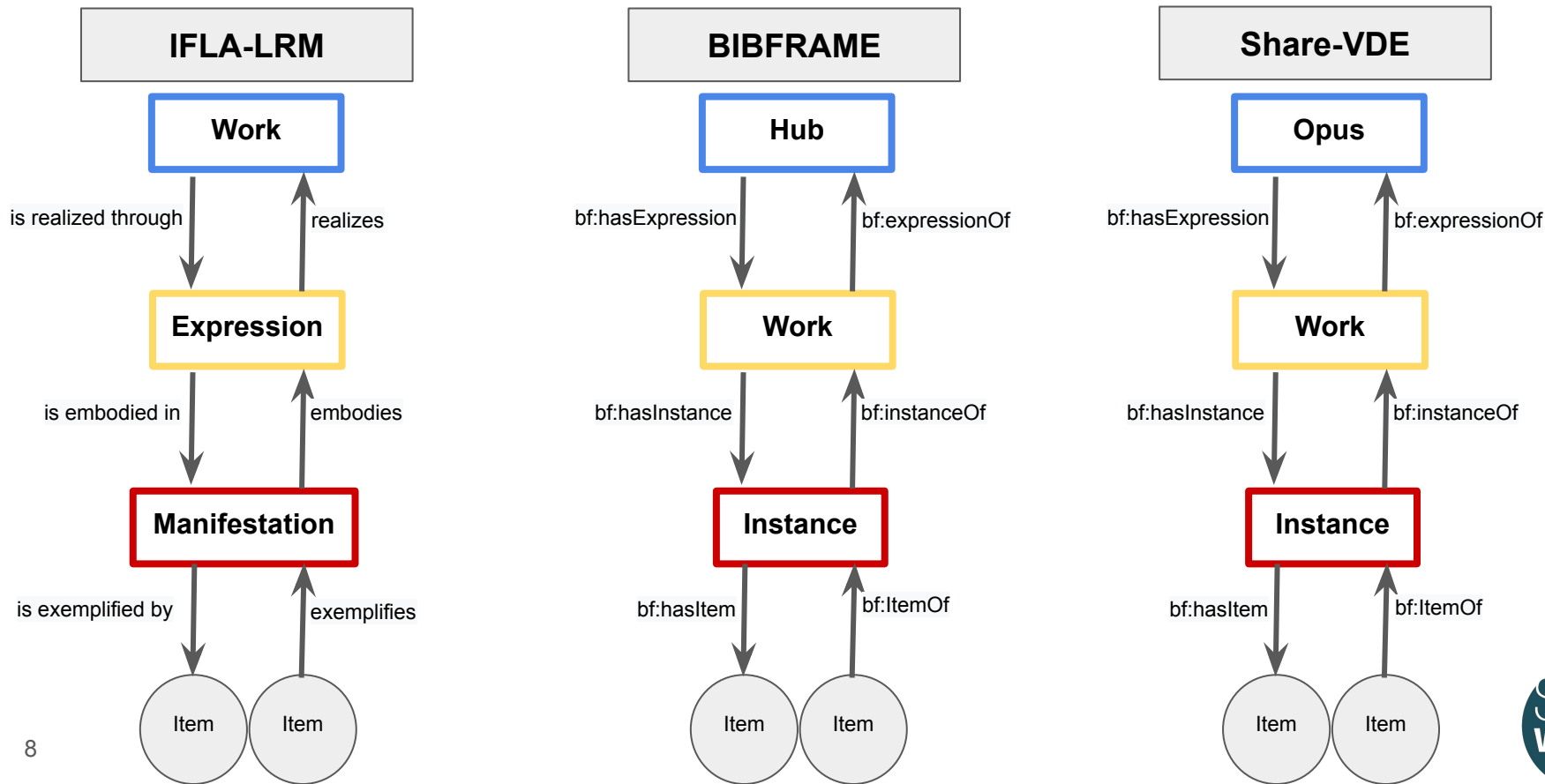
wiki platform <https://wiki.share-vde.org/>
that will serve both as a showcase as well as
a collaborative platform among SVDE
members

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

articles and resources:
https://wiki.share-vde.org/wiki/ShareVDE:Resources#Bibliographic_references



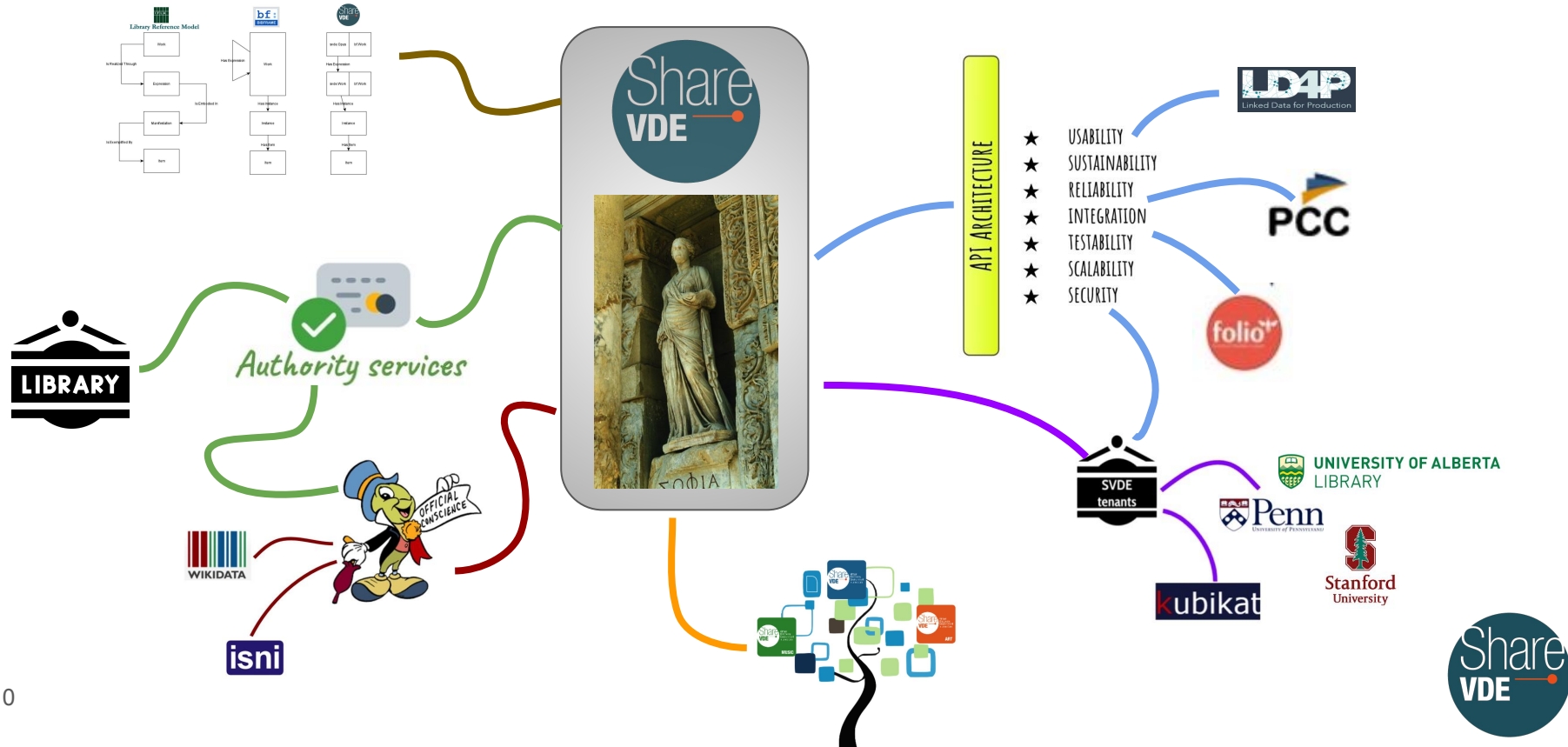
Shared vision



(Some of) Share-VDE interconnections



Sapientia ecosystem



Facilitate integration with local library services

Main Share-VDE platform (new interface in progress)

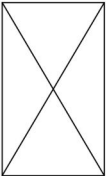
Localisation for the University of Pennsylvania

The screenshot shows the 'SHARE-VDE' interface for 'Hamlet' by William Shakespeare. The page includes a search bar, a 'Log in' button, and a 'Read online now' button. A 'More options' dropdown menu is open, showing various actions like 'View alternative and foreign titles', 'Download this page in these formats' (MARC, PDF, XML, CSV), and 'More information about this original work on other websites' (Library of Congress, VIAF, Wikidata). The page also displays '8 results' for 'Library-held publications of Hamlet'.

The screenshot shows the 'Penn Libraries Catalog' interface for 'Hamlet' by William Shakespeare. The page includes a search bar, a 'Log in' button, and a 'Get it now at Van Pelt' button. The page also displays '8 results' for 'Library-held publications of Hamlet'.

From linked data publication to linked data editing

SHARE-VDE



Person

William Goulding

British novelist, poet, playwright and Nobel Prize for Literature laureate

Sir William Gerald Golding, CBE (19 September 1911 – 19 June 1993) was a British novelist, playwright, and poet. Best known for his debut novel *Lord of the Flies* (1954), he would go on to publish another eleven novels in his lifetime. In 1980, he was awarded the Booker Prize for *Rites of Passage*, the first novel in what became his sea trilogy, *To the Ends of ...* — [Wikipedia](#)

[More options](#)

Original works by Original works about Related people

Publication title	Contributors	Language	Year
<input type="checkbox"/> Lord of the Flies	William Golding	English	1954
<input checked="" type="checkbox"/> Pincher Martin, 1956 novel.	William Goulding	English	1956
<input checked="" type="checkbox"/> Pincher Martin	William Goulding	English	1956

[End of list](#)

2 original works selected View selected ^



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, Sapiientia, 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-VDESearch all content...Q10➔

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

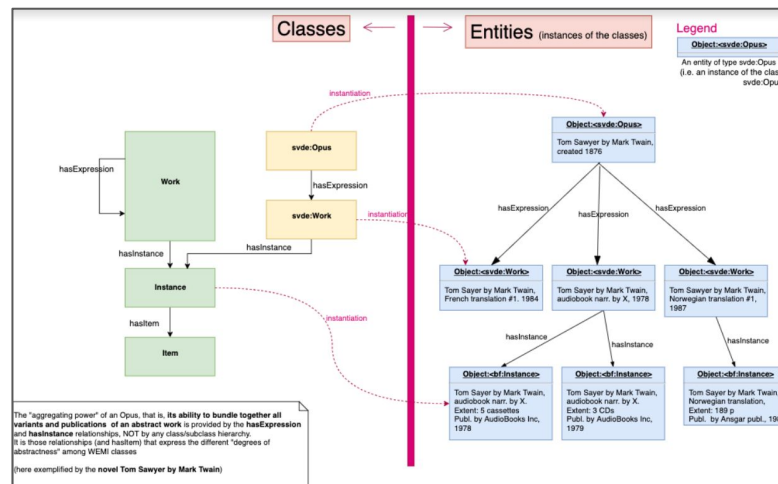
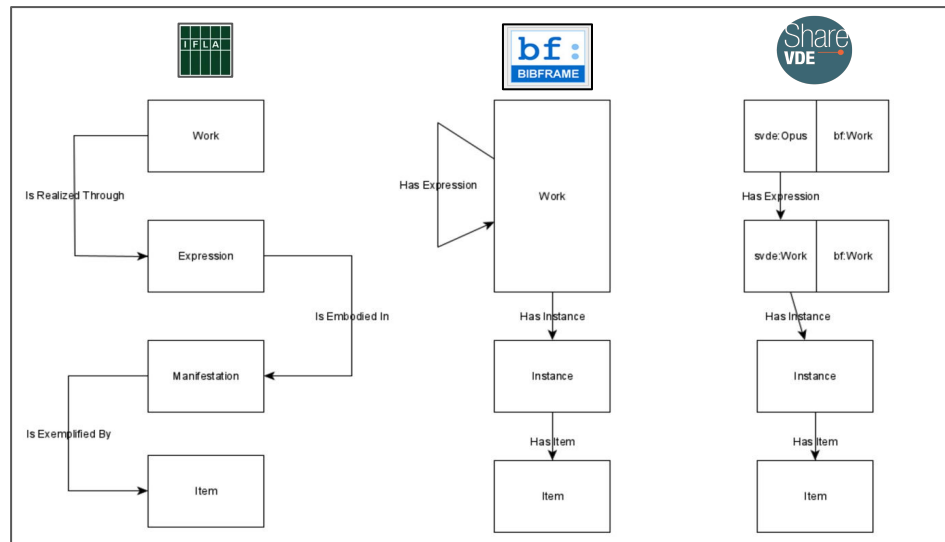
William Goulding

Assign to me

Facilitate interoperability between entity models...

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

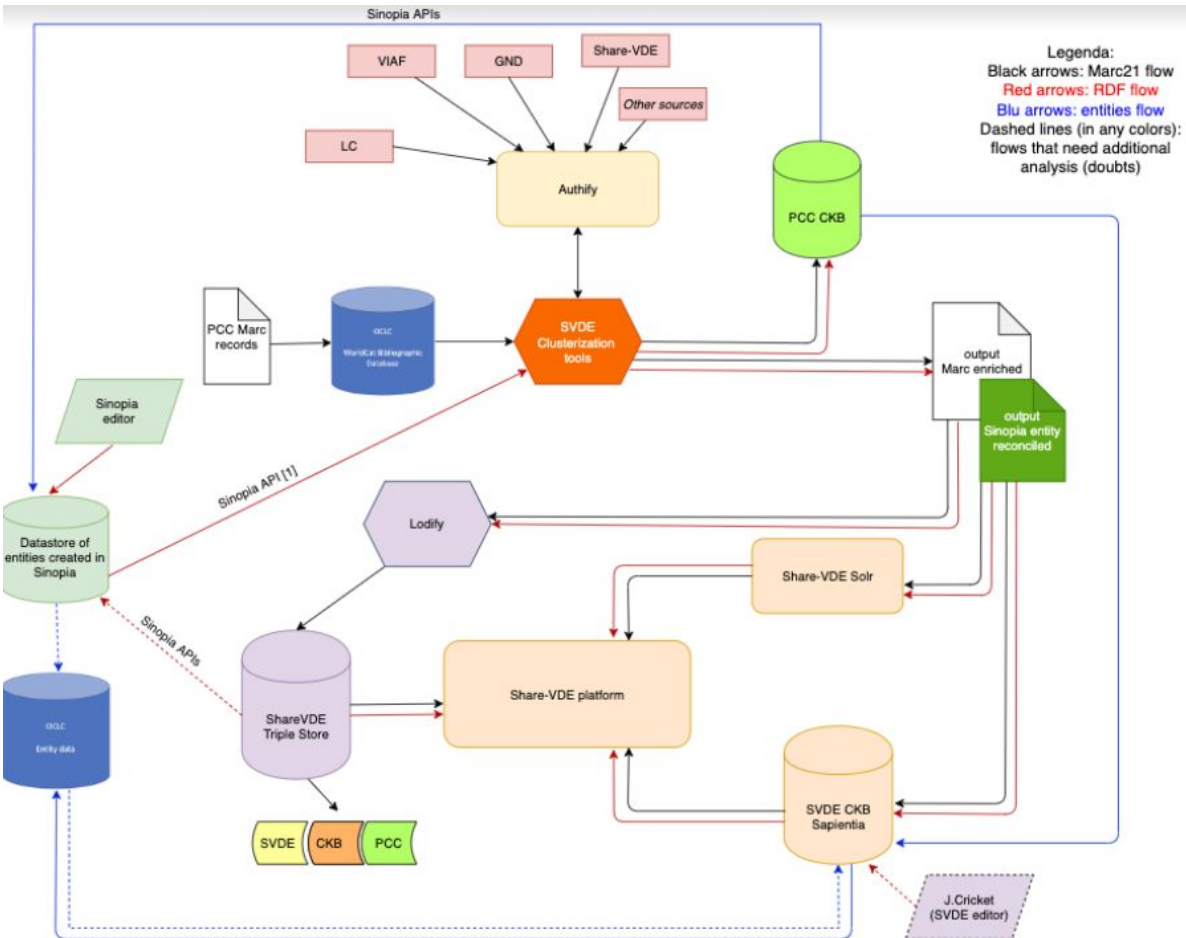
See the [SVDE entity model](#) compared to [BF](#) and [LRM](#) and an [example of application of the model](#)



...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](#)



[1] - SVDE queries Sinopia that returns a list of records via API then SVDE would pull the individual records from the API →
(https://docs.google.com/document/d/1xbS9X8oP7e8ztzKb6QlqbsIU_aQAdDnq-82YuzrH1_s/edit#)

Next steps: integration with authority data sources



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

Isaiah Thomas

OCLC

VIAF


Wikidata

LC

GND


BNF

Other...




Isaiah Thomas (or Isaiah Jamar Thomas)
American basketball player · Born 1989
Q336030 [✎](#)

VIAF ID match



Isaiah Thomas (or Isaiah Thomas, Sr. · I. Thomas · I. T. · T. I.)
Massachusetts printer, publisher and journalist · 1749-1831
Q15503493 [✎](#)

Birth place match



Isaiah Thomas (or Isaiah Thomas, Jun. · I. Thomas, Jun.)
(1773-1819) · 1773-1819
Q55322233 [✎](#)


Connected

+ Create new wikidata item for "John Doe" [✎](#)

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

Connect to this ID

17

Done

Share

VDE



Thank you!

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

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