



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

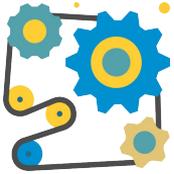
Share-VDE is an **initiative** lead by the **community of participating libraries**, with the aim of setting up linked data based workflows.

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

The screenshot shows the 'Advanced search' page for original works. A dropdown menu is open, listing search criteria: 'Agent of any type', 'Person' (selected), 'Family', 'Organization', 'Conference', 'Original work or publication', 'Original work', and 'Publication'. Below the menu, there are search filters and a 'Search' button.

The screenshot shows the search results for 'Hamlet: Second quarto'. The page displays the title, author (William Shakespeare), and publisher (Bloomsbury). It includes a 'Read online now' button and a 'Borrow a copy at UC Berkeley' button. Below the main information, there are tabs for 'Copies of this p.', 'Related subjects', and 'Other English book editions of "Hamlet"'. The 'Copies of this p.' tab is active, showing 6 results in a table format.

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

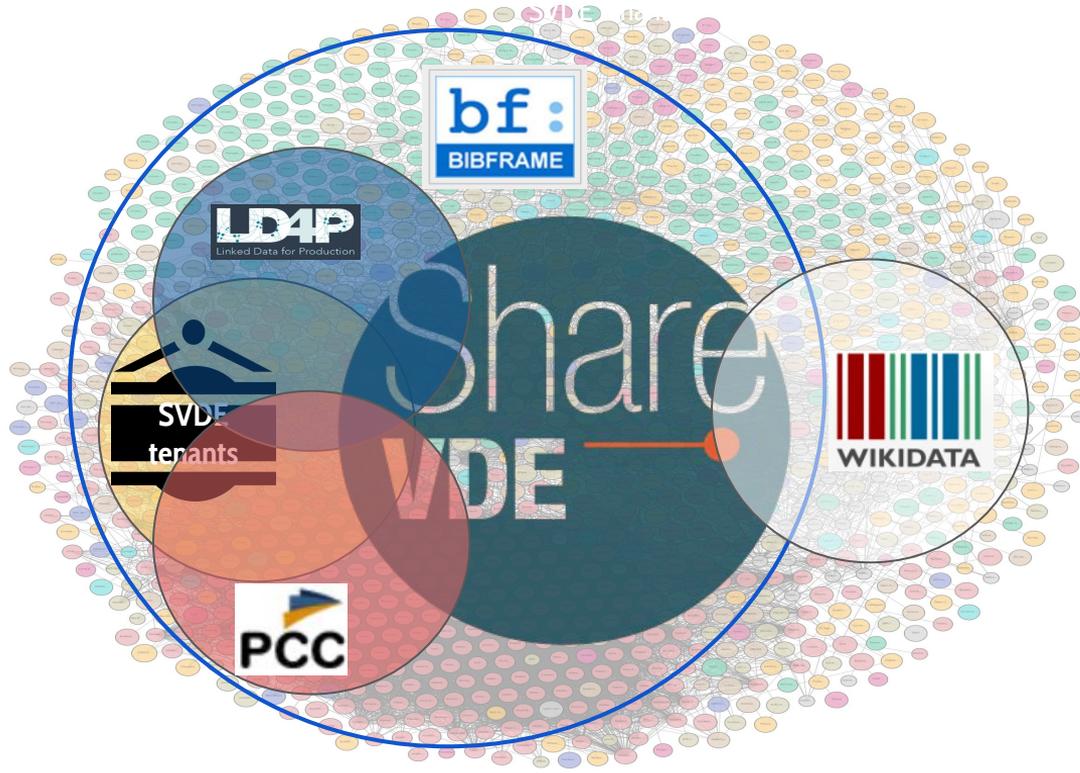
The screenshot shows the Penn Libraries Catalog interface. At the top, there is a search bar and a user profile for Jane Doe. The breadcrumb trail indicates the path: William Shakespeare > Hamlet. The main content area features a book cover for 'Tragical Historie of HAMLET, Prince of Denmark' by William Shakespeare. Below the cover, the title 'Hamlet' is displayed, followed by 'Original Work' and 'Written by William Shakespeare in English'. A descriptive paragraph states: 'The Tragedy of Hamlet, Prince of Denmark, often shortened to Hamlet (/ˈhæmlɪt/), 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](#)'. 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'. A section titled '8 results' contains a filter bar with options for 'Availability', 'Language', 'All filters', and 'Held at Penn'. A table below shows one result: 'Hamlet: Second quarto' by Michael Heppell, in English, located at Penn, and available online.

SVDE localisation for the University of Pennsylvania

The screenshot displays the Kubikat-LOD project platform. The header features the 'Browse' button and the 'Kubikat-LOD' logo. Below the header, there are input fields for 'Person' and 'Work'. The main content area is titled 'THE KUBIKAT-LOD PROJECT' and contains the following text: 'The Kubikat-LOD project is a collaborative venture to unite and connect the resources of the Kubikat union catalogue in a discovery platform based on the BIBFRAME Linked Data model. The aim of this initiative is to offer to users of the catalogue - scholars, researchers, students - interoperability, visibility and discoverability for all types of resources, providing a single, shared point of access to the catalogues of the participating institutions through a rich search environment in which bibliographic data is displayed in a structured and comprehensible way. One of the key elements of the project is the identification and reconciliation of entities, which allows the data to be enriched with information from authoritative sources, and form progressively connections among library, museum and archive domains. The catalogue is, for example, enhanced by the Gemeinsame Normdatei (GND) and its data is enriched through integration with numerous external sources. The current prototype contains bibliographic data held by the Kubikat member libraries updated to February 15th 2019.'

[Kubikat-LOD](#) parallel project platform

Community engagement



Communication and events:

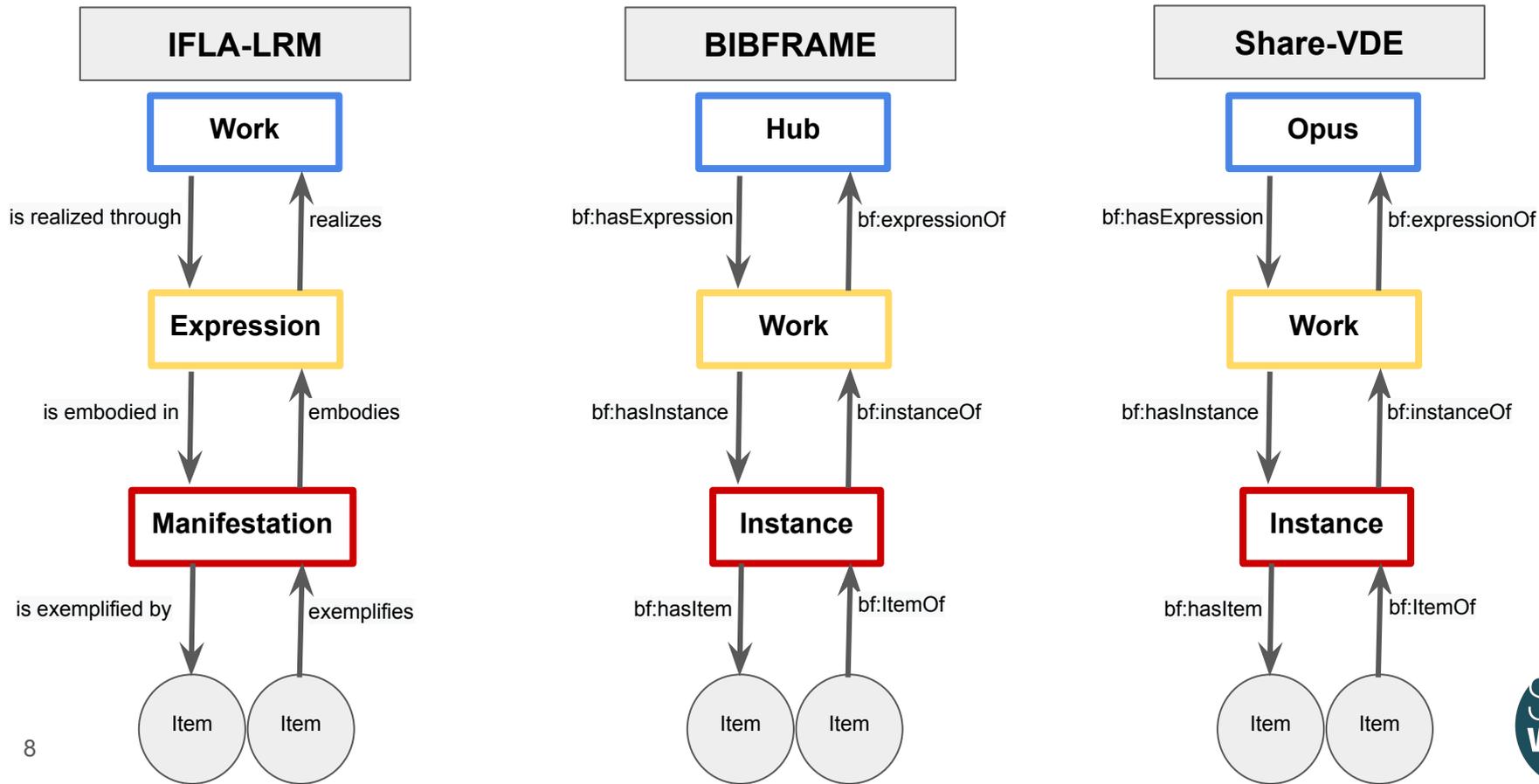
wiki platform <https://wiki.share-vde.org/>
that will serve both as a showcase as well as
a collaborative platform among SVDE
members

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



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 the work 'Hamlet' by William Shakespeare. The page includes a search bar with the text 'shakespeare search', a 'Log in' button, and a breadcrumb trail: 'William Shakespeare > Hamlet'. A book cover for 'THE TRAGICAL HISTORIE OF HAMLET, Prince of Denmark' is displayed on the left. The main title 'Hamlet' is prominently featured, followed by the author 'Written by William Shakespeare in English'. A descriptive paragraph states: 'The Tragedy of Hamlet, Prince of Denmark, often shortened to Hamlet (/ ˈhæmlɪt/), 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'. A 'Read online now' button is visible. Below the main content, there are tabs for 'Library-held publications of Hamlet' and 'Related Original Works'. A 'More options' dropdown menu is open, showing a 'URI' field with the value 'https://www.share-vde.org/5175821' and a 'Copy' button. The menu also lists download formats: MARC, PDF, XML, and CSV. At the bottom, a list of 8 results is shown, including 'Hamlet: Second quarto' and 'Hamlet / Shakespeare ; traduction et préf. de Maurice Castelain'.

The screenshot shows the Penn Libraries Catalog interface for the work 'Hamlet' by William Shakespeare. The page includes a search bar with the text 'Search all content...', a 'Jane Doe' user profile, and a breadcrumb trail: 'William Shakespeare > Hamlet'. A book cover for 'THE TRAGICAL HISTORIE OF HAMLET, Prince of Denmark' is displayed on the left. The main title 'Hamlet' is prominently featured, followed by the author 'Written by William Shakespeare in English'. A descriptive paragraph states: 'The Tragedy of Hamlet, Prince of Denmark, often shortened to Hamlet (/ ˈhæmlɪt/), 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'. Two buttons are visible: 'Read online now' and 'Get it now at Van Pelt'. Below the main content, there are tabs for 'Library-held publications of Hamlet' and 'Related Original Works'. A 'More options' dropdown menu is open, showing a 'URI' field with the value 'https://www.share-vde.org/5175821' and a 'Copy' button. The menu also lists download formats: MARC, PDF, XML, and CSV. At the bottom, a list of 8 results is shown, including 'Hamlet: Second quarto' and 'Hamlet / Shakespeare ; traduction et préf. de Maurice Castelain'. The 'Availability' column shows 'Available online' for the first result.

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 Goulding, 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

Filter... Location Language All filters

Publication title	Contributors	Language	Year
<input type="checkbox"/> Lord of the Flies	William Goulding	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

Click to add to merge list

2 original works selected View selected ▾ Deselect all Add relationship Merge 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, 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-VDE Q 10 ➔

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

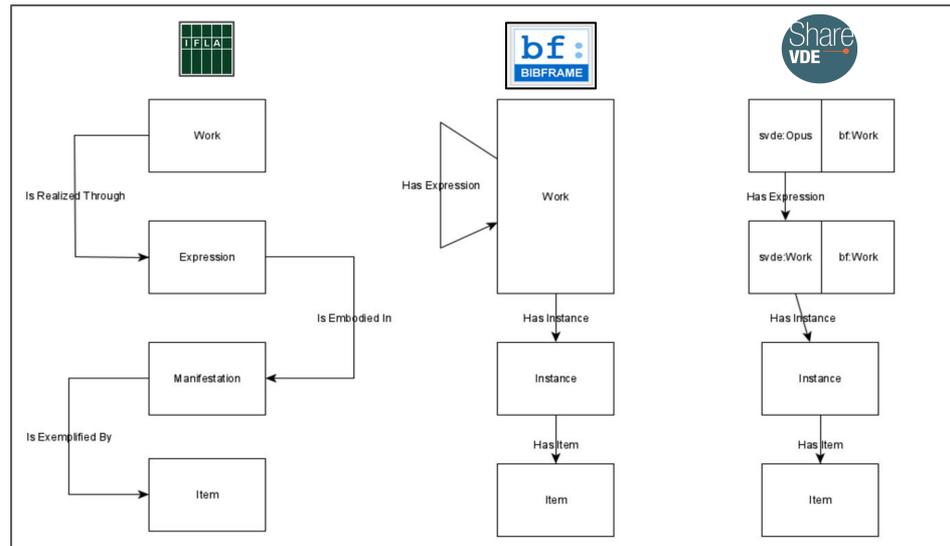
This agent has been flagged for manual review

Name

William Goulding ...

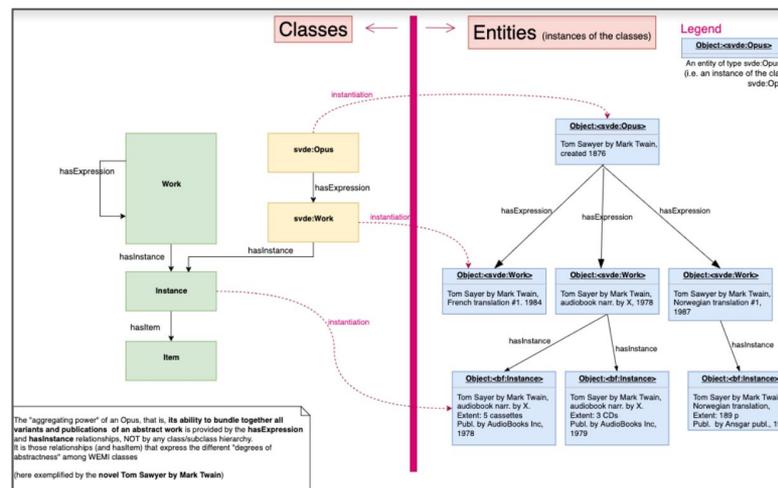
[Assign to me](#)

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](#)



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



Thank you!

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

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