



# Linked Open Data in Share-VDE

Instructions for use

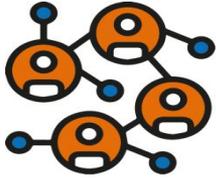


**European  
BIBFRAME  
Workshop**

Tiziana Possemato - Casalini Libri - @Cult  
Michele Casalini - Casalini Libri  
22nd September 2020

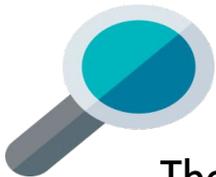
# From pilot project to active initiative...

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**Share-VDE** is a library-driven initiative to establish an **effective working environment** for the use of linked data by libraries within a global context.

**Library data** are **enriched** with additional information and relationships, and bibliographic and authority data are converted into linked data.



A **virtual discovery platform** with the structure based on **BIBFRAME** data model is created to simplify the way in which that data is consumed.

The network of resources created is the basis for the **Share-VDE Sapiientia Cluster Knowledge Base**, the common authoritative source of clusters accessible in RDF, open to the entire Share-VDE community.

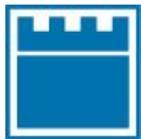
# ...in a cooperative environment

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Share-VDE is a collaborative endeavour based on the needs of libraries, developed by:



the joint effort of the **Share-VDE Advisory Council** and of the **Working Groups**;



**Casalini Libri**, provider of bibliographic and authority data as member of the Program for Cooperative Cataloguing;



**@Cult**, provider of ILS, Discovery tools and Semantic web solutions for the cultural heritage sector;



**influenced by** the vision of the **Linked Data for Production initiative**;



with input and active participation from an **international group of research libraries**.



# Share-VDE Advisory Council & Working Groups

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The Share-VDE AC takes an active role in determining future uses and vision for the Share-VDE initiative; Develop future use cases for Share-VDE, and set development priorities as needed; Monitor and lead the work of the various Advisory Council Working Groups; Maintain communication among the Share member institutions.

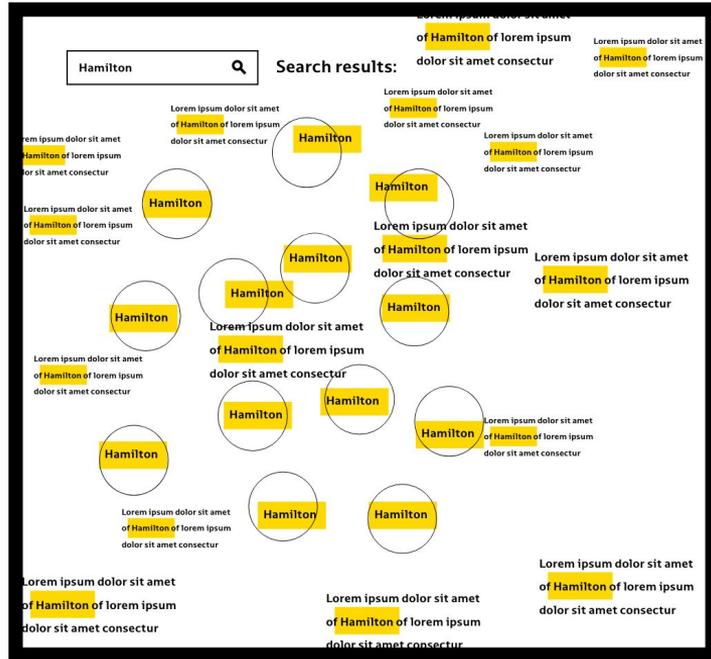
There are 4 sub-committees focusing on specific areas:

- **Sapientia Entity Identification Working Group**
- **Authority/Identifier Management Services Working Group**
- **Cluster Knowledge Base Editor Working Group**
- **User experience/User Interface Working Group**

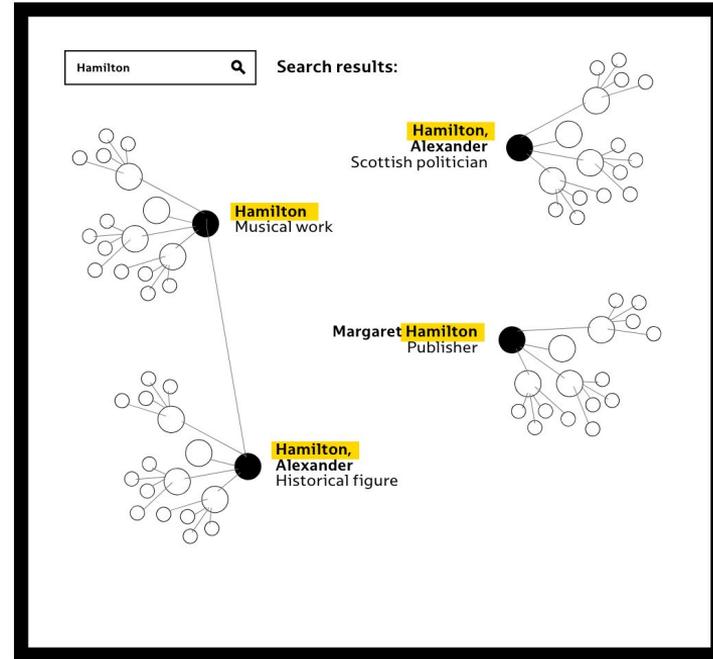
The list of [AC and working group members](#) is available.

# Linked data means interconnections

## Without linked data



## With linked data



# The Testaments

Get a copy

## Author/creator

"Atwood, Margaret, 1939- author." [Search catalog for text "Atwood, Margaret, 1939- author." →](#)

## Format / description

Book. 419 pages ; 25 cm

## Published by

London, England : Chatto & Windus, 2019., ©2019  
[Search catalog for text "London, England : Chatto... →](#)

## Summary

"More than fifteen years after the events of The Handmaid's Tale, the theocratic regime of the Republic of Gilead maintains its grip on power, but there are signs it is beginning to rot from within. At this crucial moment, the lives of three radically different women converge, with potentially explosive results. Two have grown up as part of the first generation to come of age in the new order. The testimonies of these two young women are joined by a third voice: a woman who wields power through the ruthless accumulation and deployment of secrets. As Atwood unfolds The Testaments, she opens up the innermost workings of Gilead as each woman is forced to come to terms with who she is, and how far she will go for what she believes."—Publisher description.

## Notes

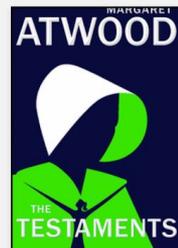
Sequel to: "The Handmaid's tale." [Search catalog for text "The Handmaid's tale" →](#)

## Contains

Sequel to: Atwood, Margaret, 1939-. Handmaid's tale.

### Experience without linked data.

Search for text string → View a record → Search for text string → View...



# The Testaments

The Testaments is a 2019 novel by Margaret Atwood. It is a sequel to The Handmaid's Tale (1985). The novel is set 15 years after the events of The Handmaid's Tale... [Wikipedia](#)

2 editions at our library. 14 editions at other libraries.

Get a copy



AUTHOR

## Margaret Atwood (Canadian writer)

Margaret Eleanor Atwood CC OOnt CH FRSC (born November 18, 1939) is a Canadian poet, novelist, literary critic, essayist, inventor, teacher, and environmental activist. [Wikipedia](#)

[Learn more about this author](#)

[View 34 works by this author](#)

## RELATED TO THESE WORKS



### "The Handmaid's tale"

...a dystopian novel by Canadian author Margaret Atwood, originally published in 1985. It is set in a

[View this work →](#)

## PRIZES

2019 Man Booker Prize



[Show 12 books from other winners](#)

## REVIEWS



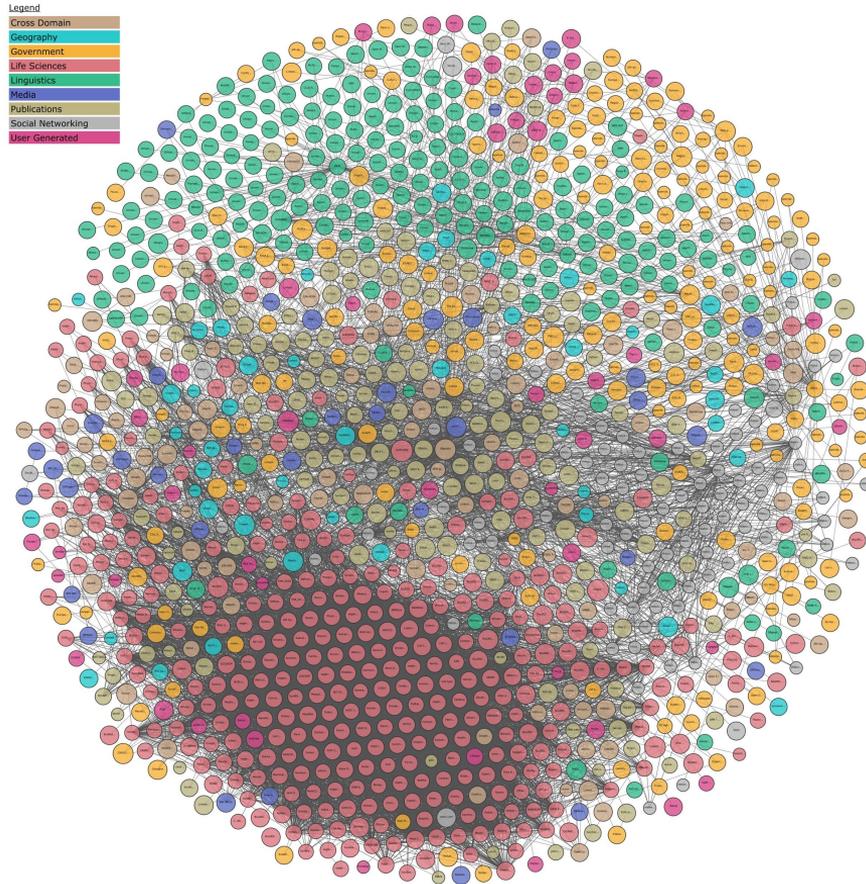
"A fitting sequel to The Handmaid's Tale. The characters in this book are different, but the world is the same. The world becomes more fleshed out, as the author adds details

### Experience with linked data.

Search for known entities → Explore by moving from entity to entity directly.

# A network of interconnected data

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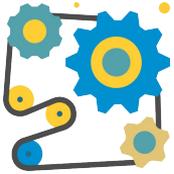
# A network of interconnected libraries

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# Share-VDE pillars

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Integration



Autonomy



Community engagement



Shared vision

# Integration - the end user perspective

Advanced search interface for SHARE-VDE. The search bar is set to "Search for a person for whom". A dropdown menu is open, showing search criteria options: Agent of any type, Person (selected), Family, Organization, Conference, Original work or publication, Original work, and Publication. Below the dropdown, there are 4 results, with a filter for "Year of birth".

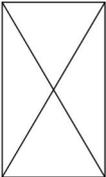


SHARE-VDE interface showing the detailed view of a publication. The title is "Hamlet: Second quarto". The description states: "Book written by Weston Babcock in English, published in London by Bloomsbury in 2015". The interface includes buttons for "Read online now" and "Borrow a copy at UC Berkeley". Below the title, 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. The results are filtered by "Language", "Location", and "All filters". A table lists the following 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 - J.Cricket: the professional perspective

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

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](#)



SHARE-VDE

## 2 original works merged

1 BF work affected

### Merge summary

Destination	Attachments	Title	Contributors	Language	Year
	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](#)

# Integration - Wikidata

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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



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

# How J.Cricket interacts with Wikidata

← → 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

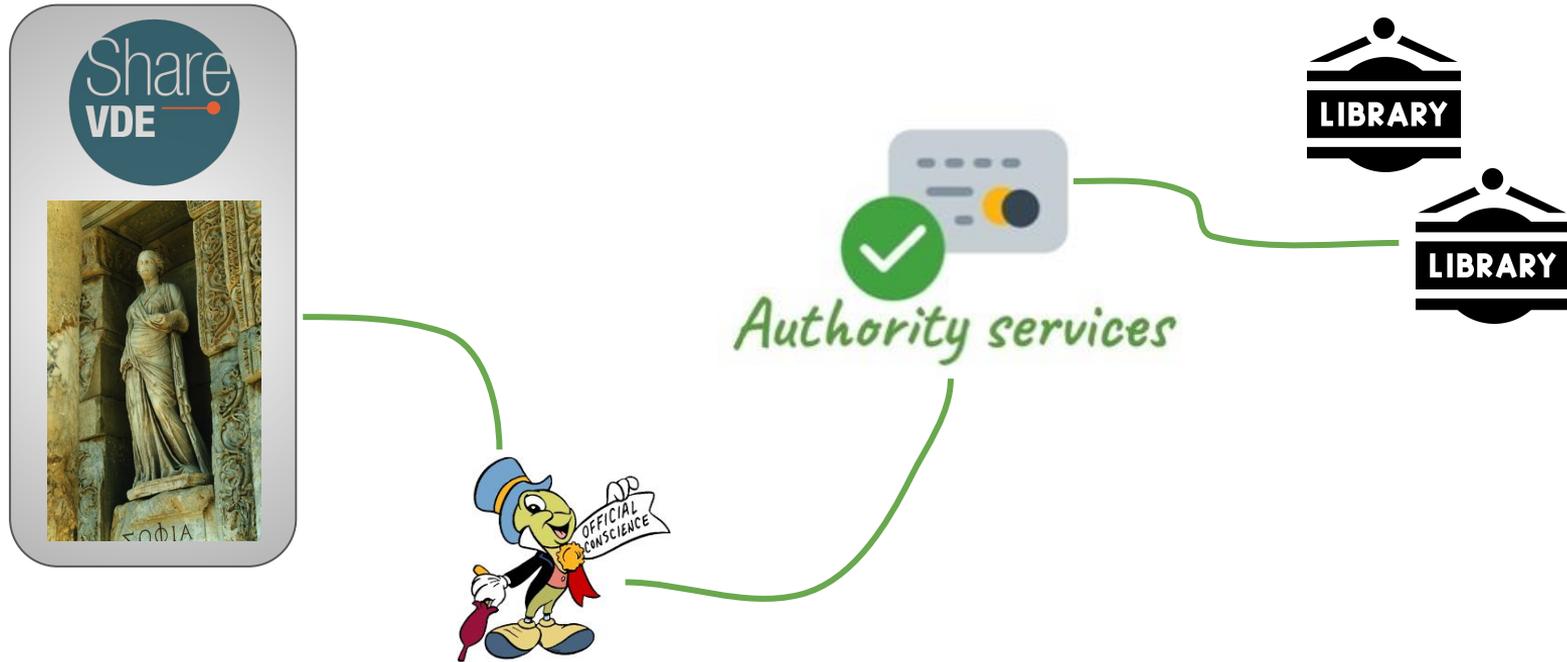


**Connect to this ID**

# Integration - the technological perspective



# Integration - new Authority services generation



# Autonomy - the end user perspective

SVDE localisation for the University of Pennsylvania

The screenshot shows the Penn Libraries Catalog interface for the record 'Hamlet'. At the top, there is a search bar and a user profile for 'Jane Doe'. The breadcrumb trail shows '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...'. There are two buttons: 'Read online now' and 'Get it now at Van Pelt'. Below this, there are tabs for 'Library-held publications of Hamlet' and 'Related Original Works'. A section titled '8 results' contains a search filter 'Filter publications...' and 'ADD FORMAT' options for 'Availability', 'Language', 'All filters', and 'Held at Penn'. A table below shows one result:

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

Kubikat-LOD

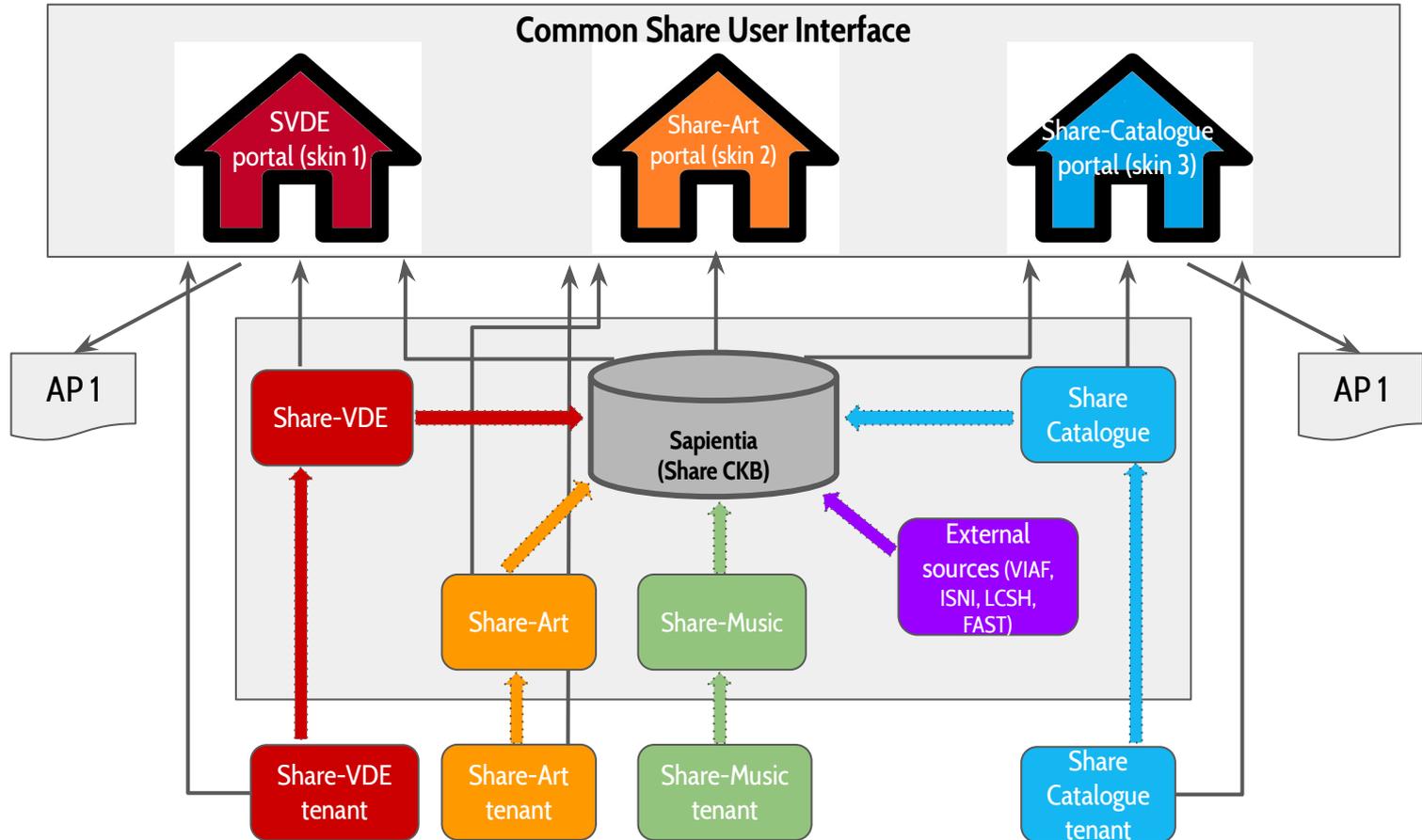
The screenshot shows the Kubikat-LOD project page. The header features the 'Kubikat-LOD' logo and a 'Browse' button. Below the header, there are search fields for 'Person' and 'Work'. The main content area is titled 'THE KUBIKAT-LOD PROJECT' and contains the following text:

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.

# Autonomy - Share-VDE tenants



# Community engagement

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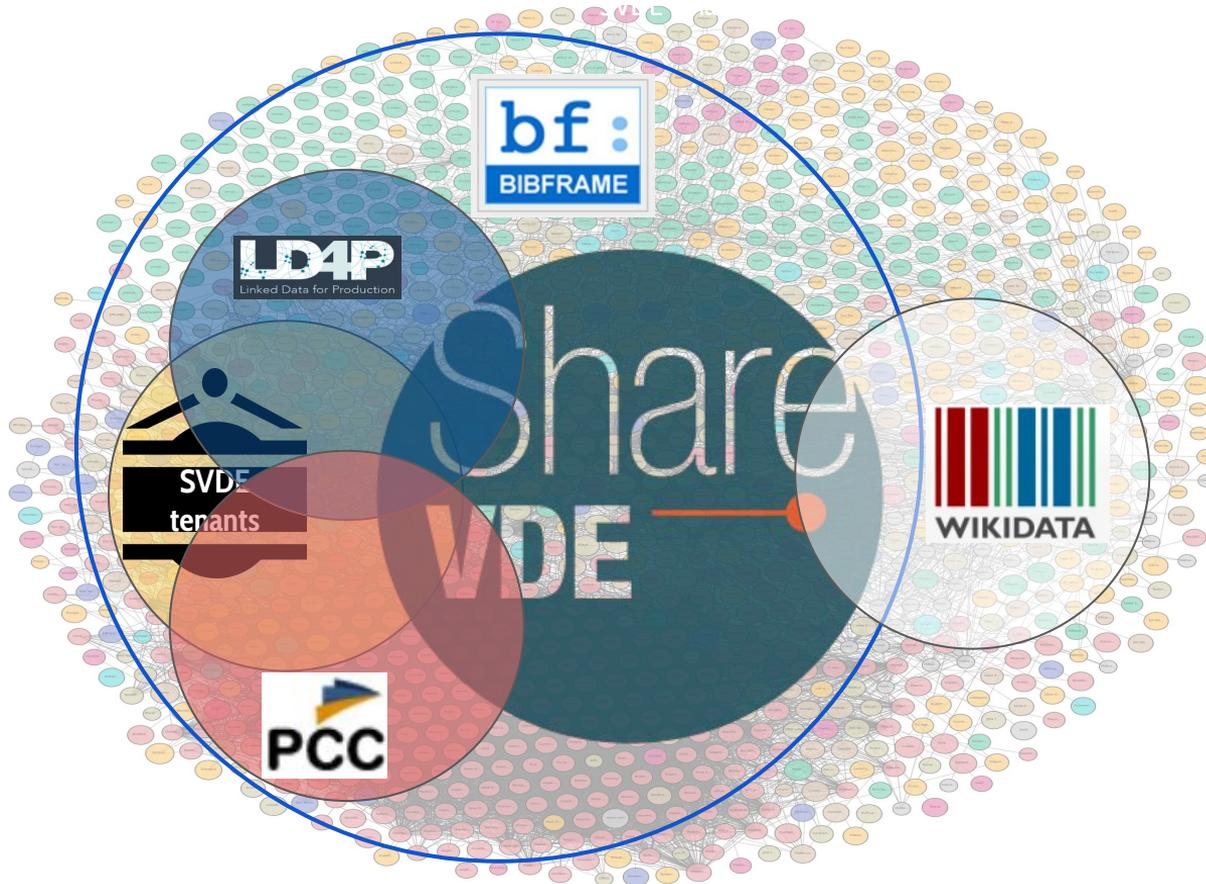
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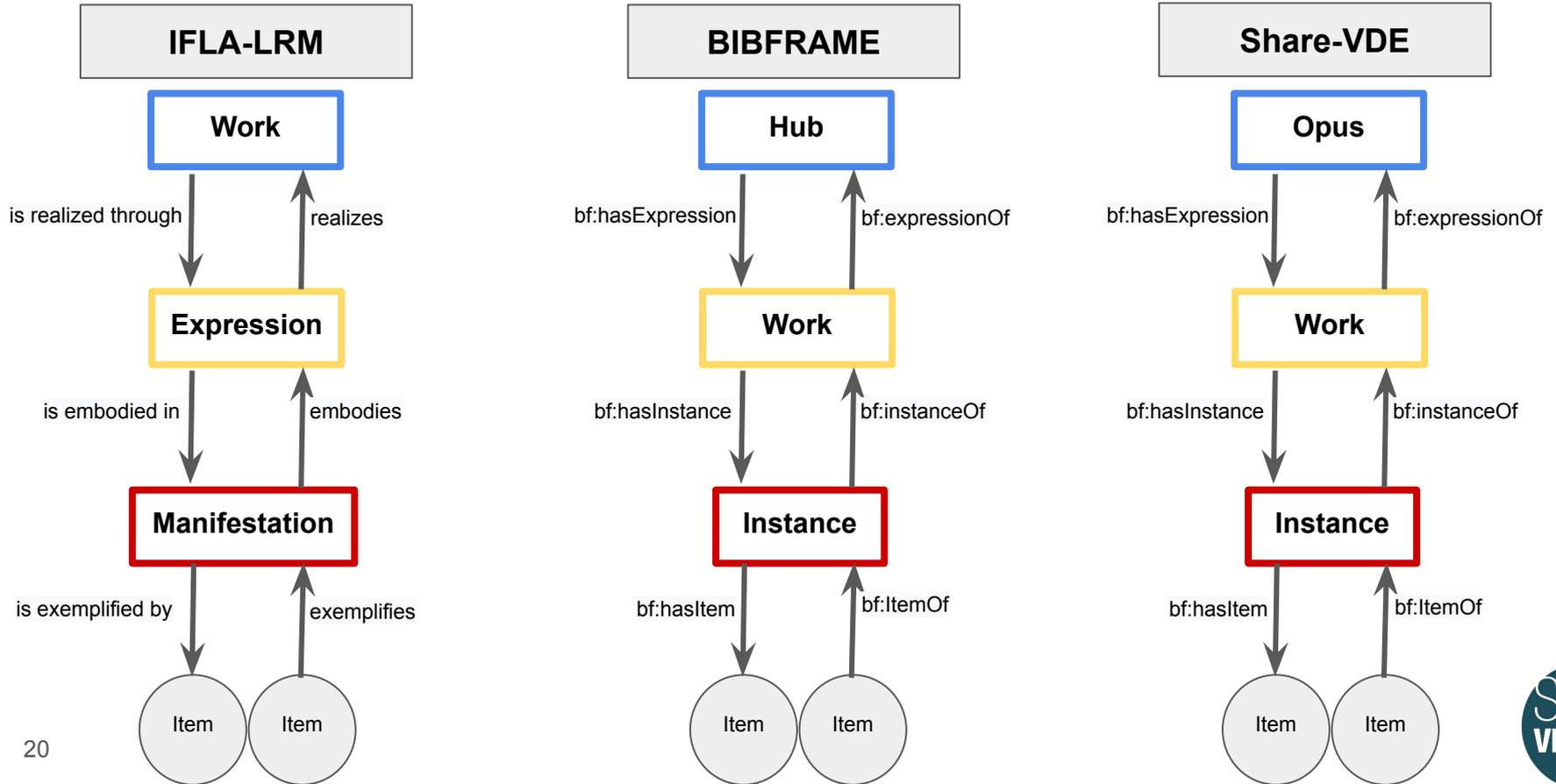
The list of [AC and working group members](#) is available.

# Community engagement

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# Shared vision - the professional perspective



# Shared vision - the end user perspective

The screenshot shows a digital library interface with a search bar at the top containing the query "belting bagdad". The search results page displays a profile for Hans Belting, including a portrait, a brief biography, and a list of original works. The interface includes navigation elements like "Person", "Original works by Belting", and "Original works about Belting".

**Kubikat** — "belting bagdad" search Search all content... English Log in

**Person**

## Hans Belting

German art historian. Born 1935.

*Hans Belting (born 7 July 1935 in Andernach, Rhine Province) is a German art historian and theorist of medieval and Renaissance art, as well as contemporary art and image theory. He was born in Andernach, Germany, and studied at the universities of Mainz and Rome, and took his doctorate in art history at the University of Mainz. Subsequently he has held a fellowship at... — Wikipedia*

More options

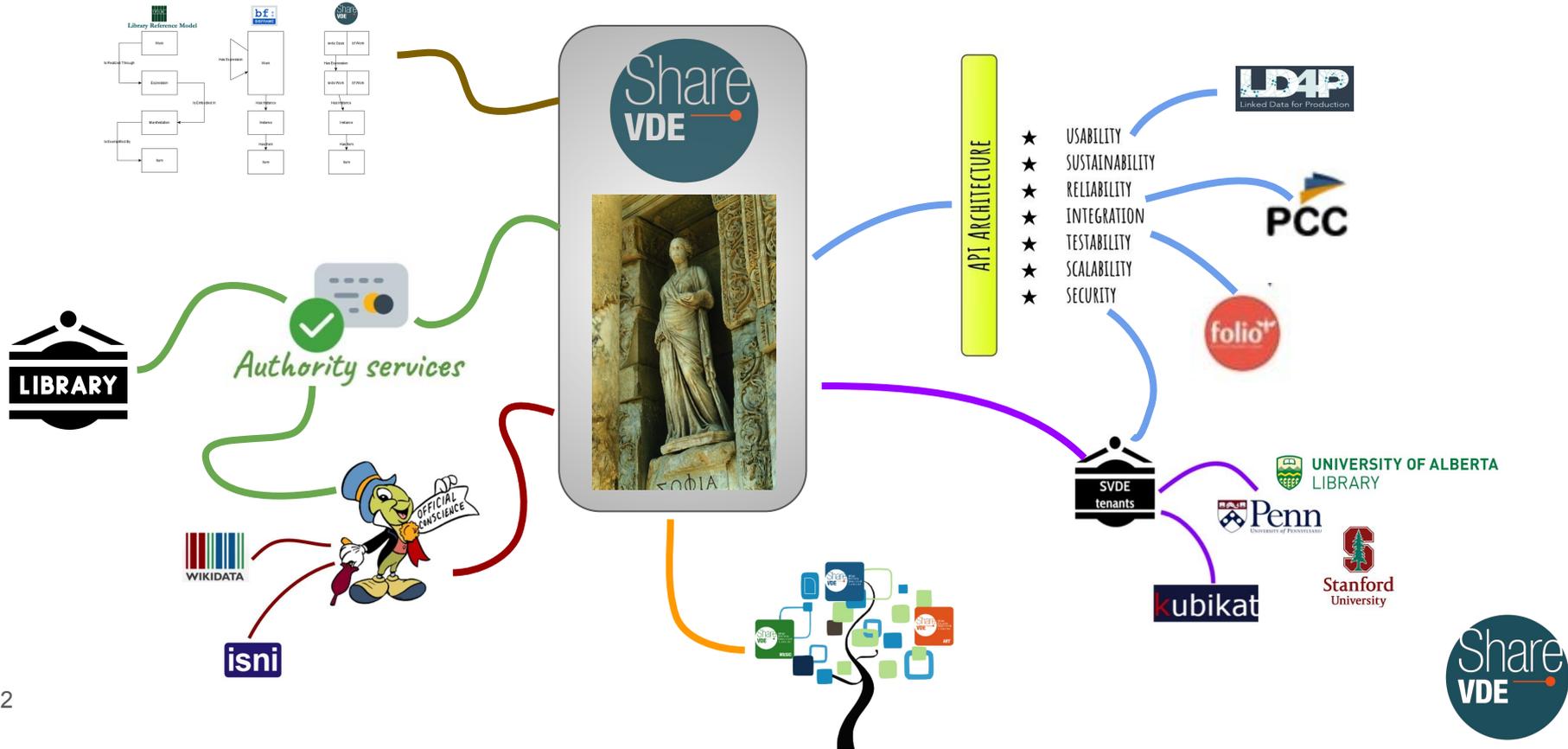
**Original works by Belting** Original works about Belting Related people

281 results

Filter original works... Role Work type More filters

Original Work title	Role	Work type	Year
The movement and the experience of "iconic presence": An introduction	Author	Article	2019
Movement, images and iconic presence in the medieval world	Editor	Book	2019
Ein Afrikaner in Paris: Léopold Sédar Senghor und die Zukunft der Moderne	Author	Book	2018
A Venetian artist at the Ottoman court: An encounter of two worlds	Author	Article	2018

# Sapientia ecosystem





Thank you!

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[tiziana.possemato@atcult.it](mailto:tiziana.possemato@atcult.it)

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<https://share-vde.org>  
[info@share-vde.org](mailto:info@share-vde.org)