Share VDE Virtual Discovery Environment

Interconnections in the Linked Data world

The Share-VDE experience

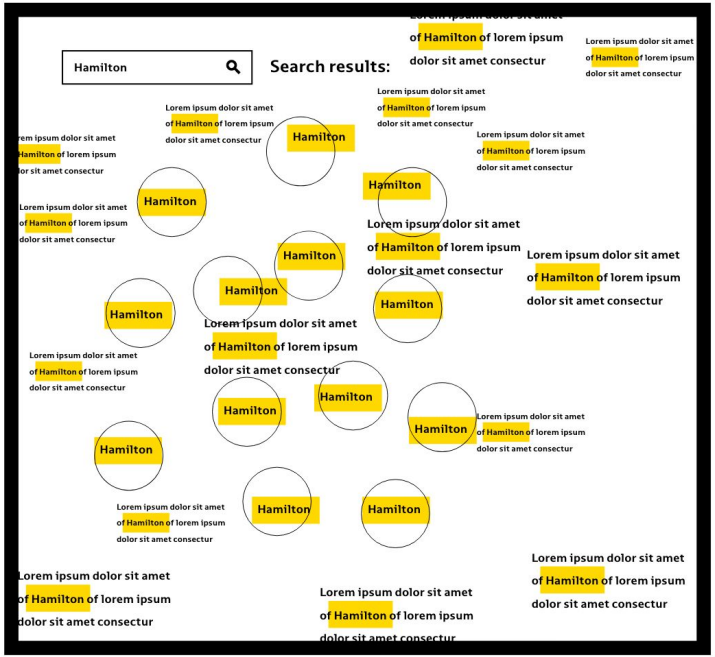
2020 LD4 Conference on
Linked Data in Libraries

Anna Lionetti
Casalini Libri/Share-VDE
9th July 2020

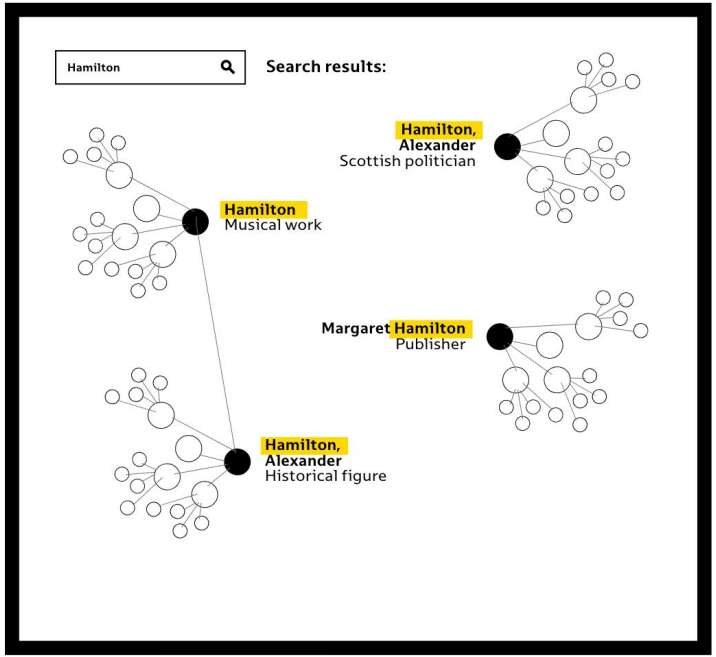
Share-VDE: what it was and what it is

Linked data means interconnections

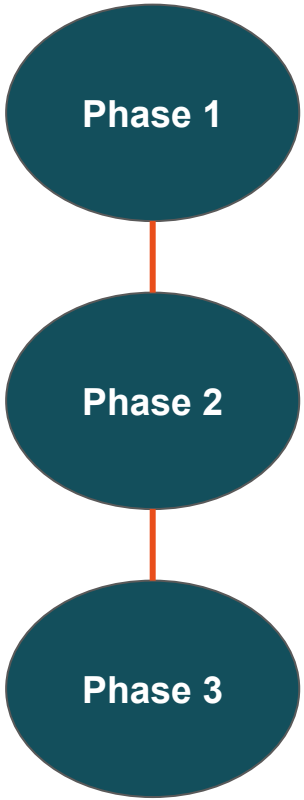
Without linked data



With linked data



From pilot project…



October 2016 – January 2017

1985 and 2015 imprint titles; 2,249,397 bib-records and 3,601,327 auth-records.

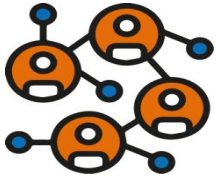
March 2017 – May 2018

The entire catalogues for all resource types; 94,378,728 bib-records and 24,150,238 auth-records.

Production environment: January 2019 - in progress

Share-VDE triplestore currently contains 24 billion quads of converted data and 400 million triples of clustered entities

...to active initiative



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 Sapientia Cluster Knowledge Base, the common authoritative source of clusters accessible in RDF, open to the entire Share-VDE community.

...in a cooperative environment

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;

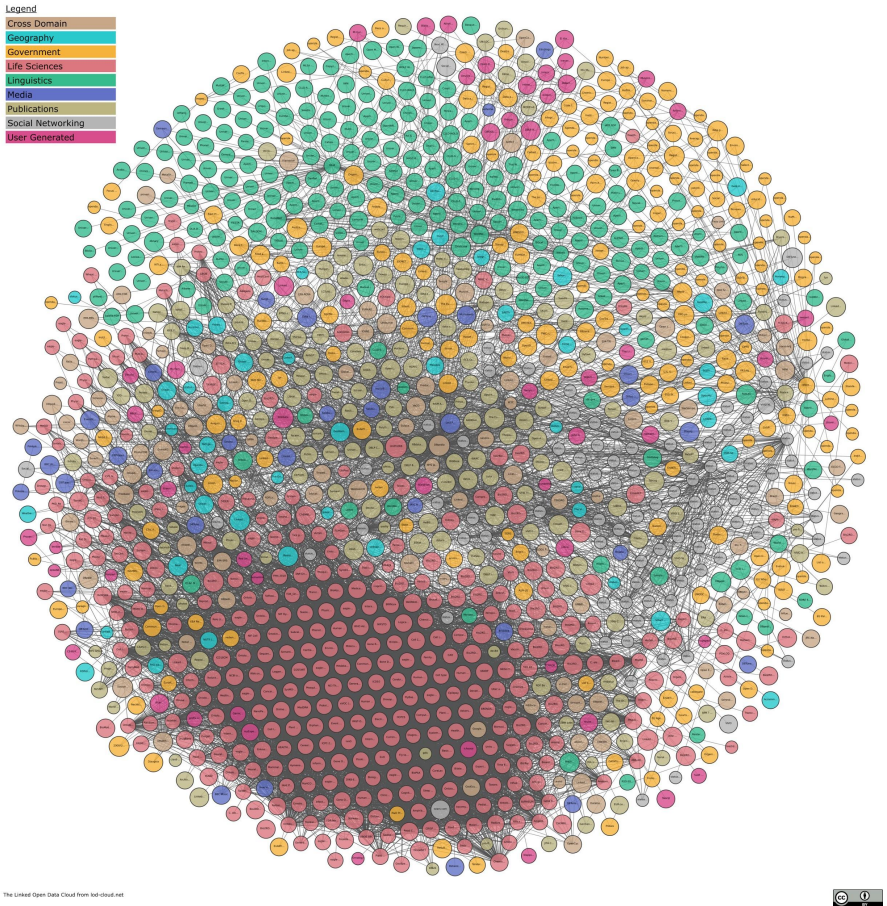
Casalini Libri, provider of bibliographic and authority data as member of the Program for Cooperative Cataloguing;

@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.

A network of interconnected data

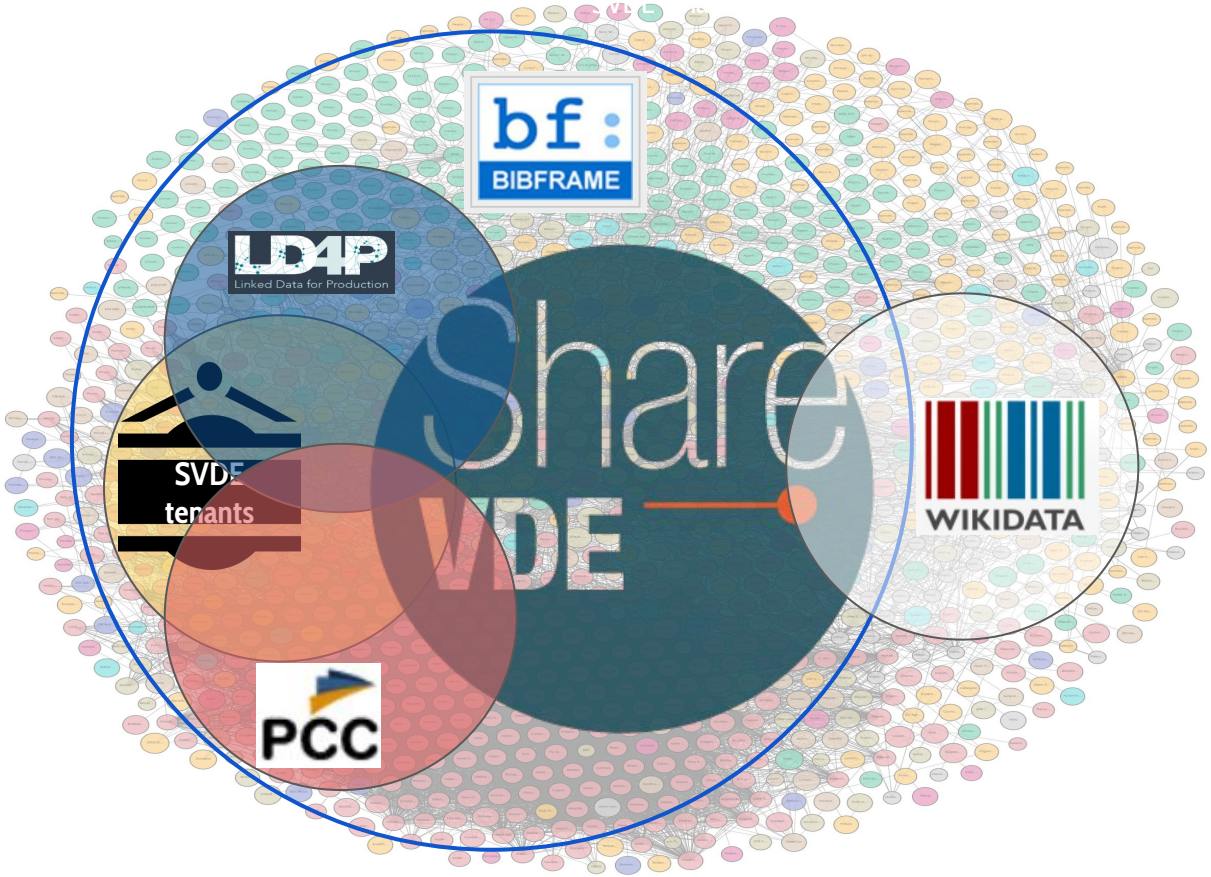


A network of interconnected libraries

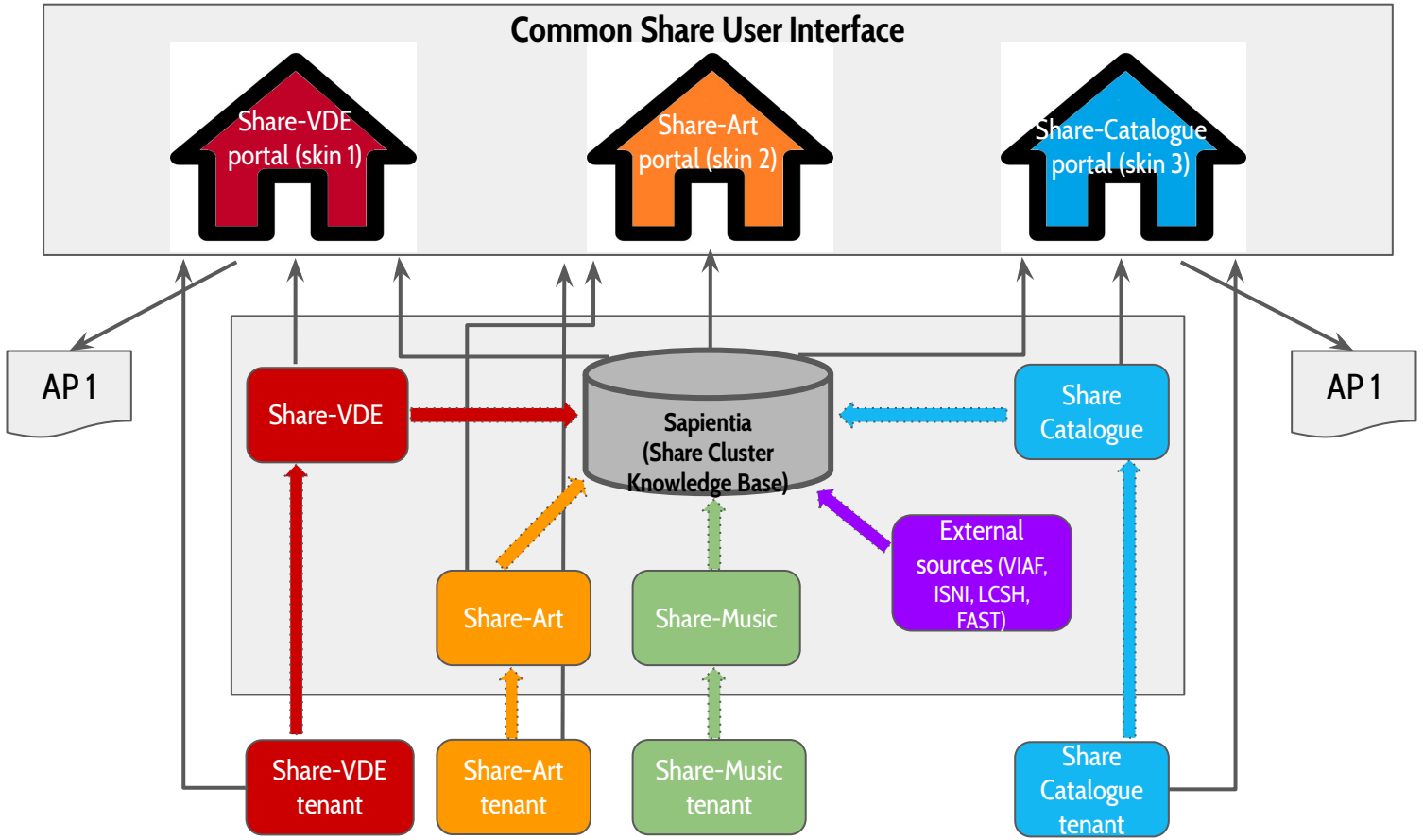
The Share family

(Some of) Share-VDE interconnections

A matrioska of linked data



Share-VDE tenants

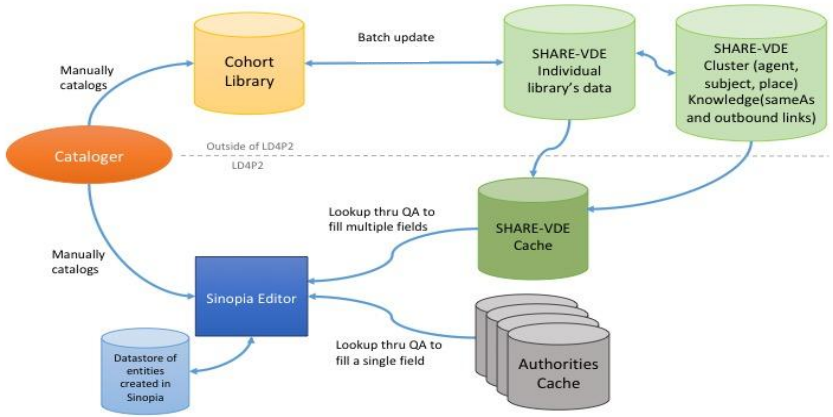


LD4P

MARC records converted in linked data by SVDE are delivered to Sinopia cataloguing module

In LD4P3: a two-way flow Sinopia-SVDE will be put in place

Next steps: work together to optimize interaction



Schreur, P. (2019). LD4P2 Data Flow

PCC

Conversion and housing of PCC data in SVDE

Several models for including PCC data in SVDE are under analysis

PCC

Among the possible scenarios: PCC as autonomous tenant with specific PCC URIs and enrichment from other sources (URIs from SVDE, LC, GNF, VIAF, Wikidata etc.)

Wikidata

Wikidata is increasingly authoritative and is used in the library community as a source for entity identification

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

Share-VDE approach

Share-VDE pillars

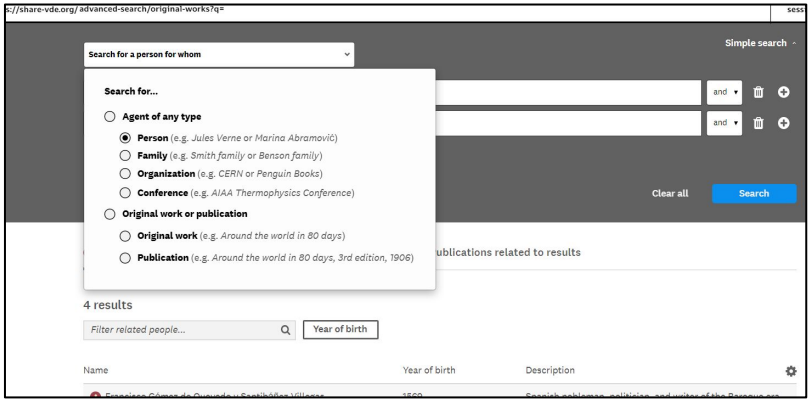
Integration

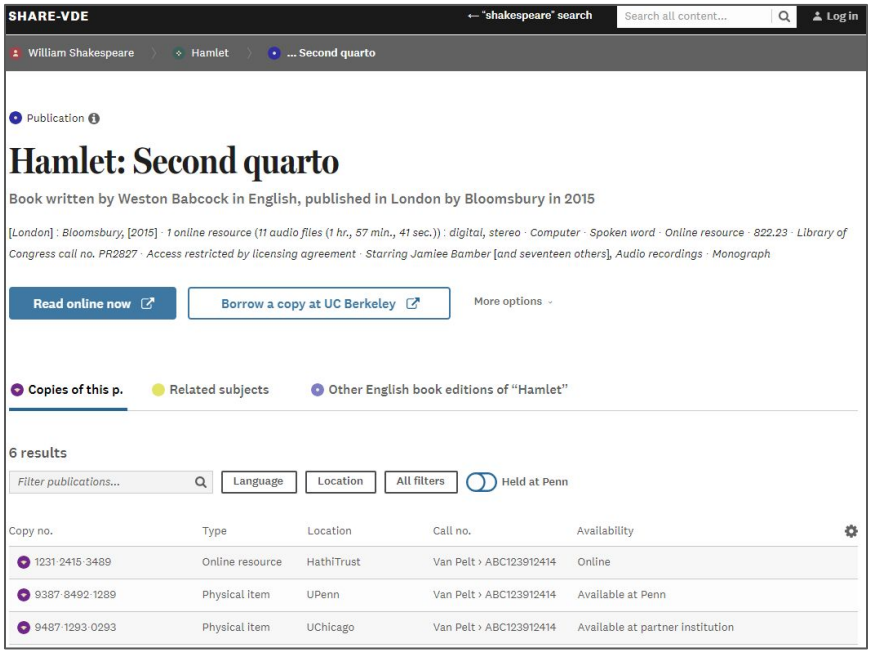
Autonomy

Community engagement

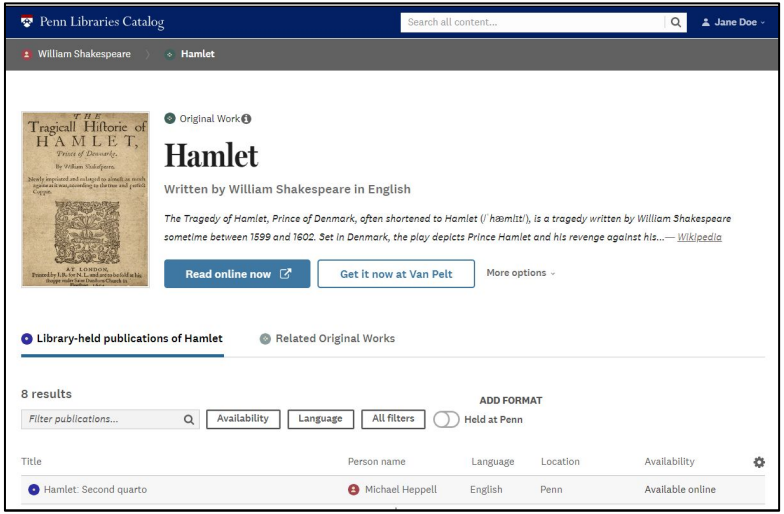
Shared vision

Integration





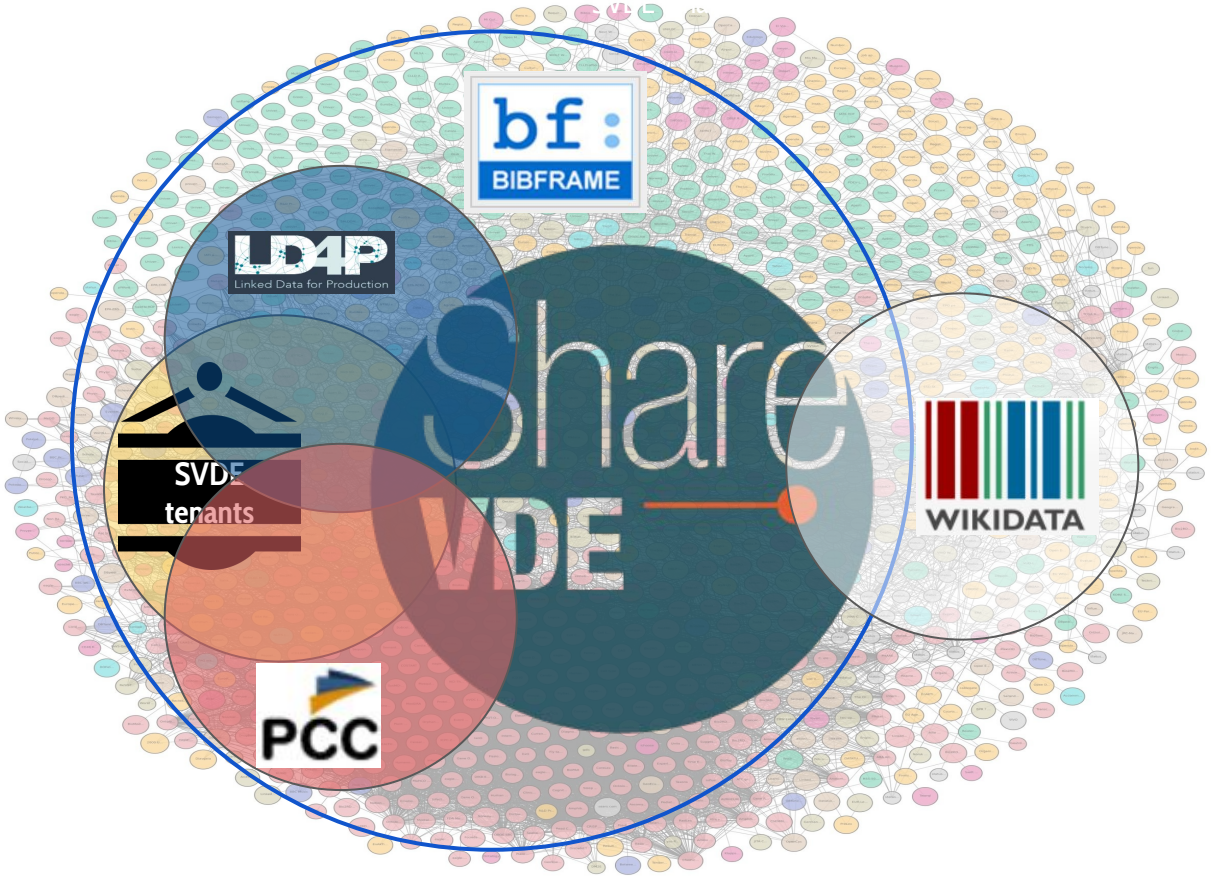
Autonomy



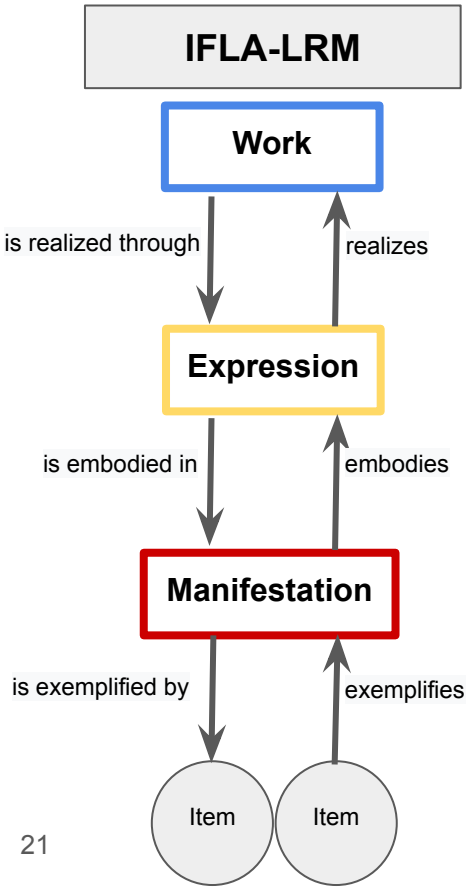
SVDE localisation for the University of Pennsylvania

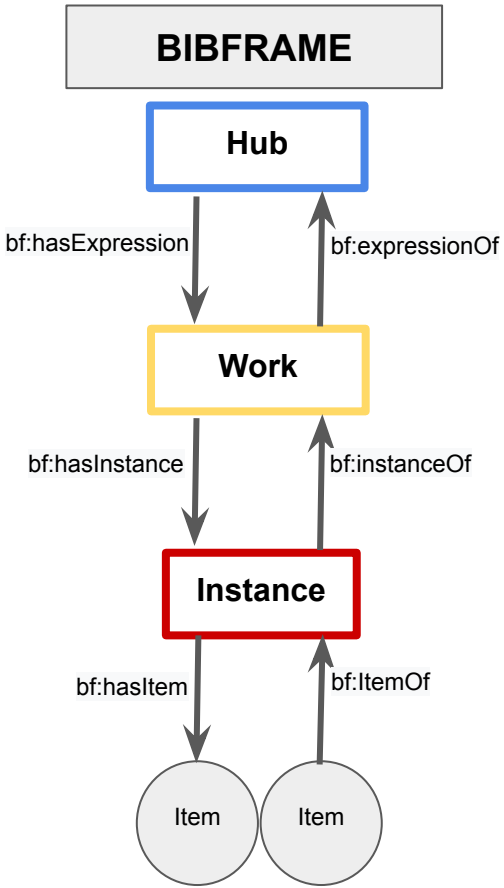
Kubikat-LOD

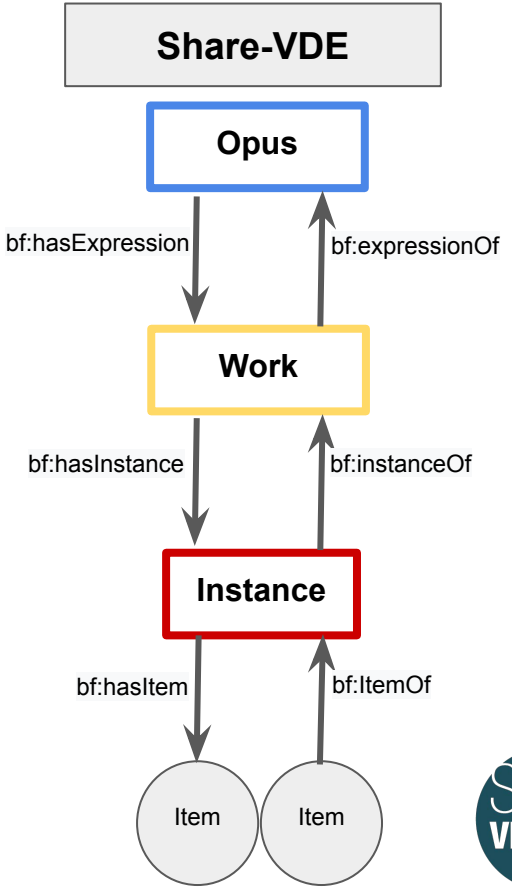
Community engagement



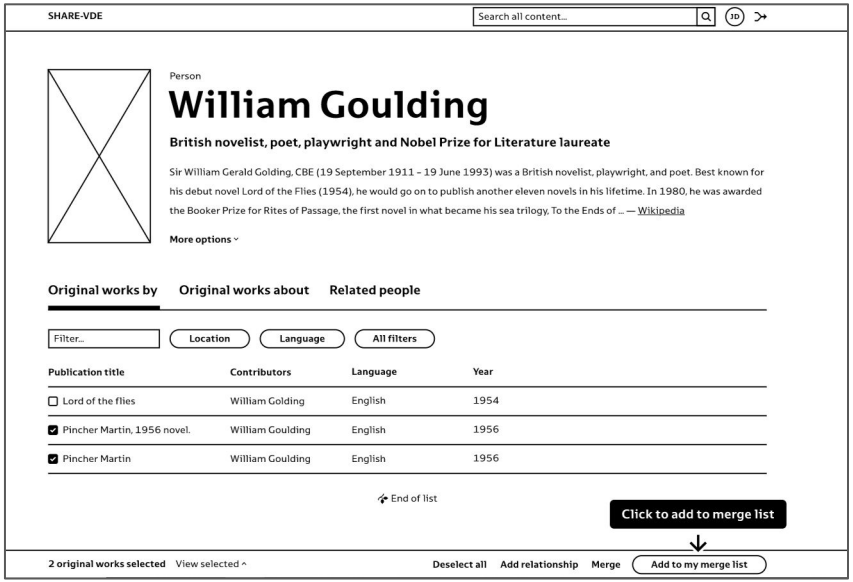
Shared vision

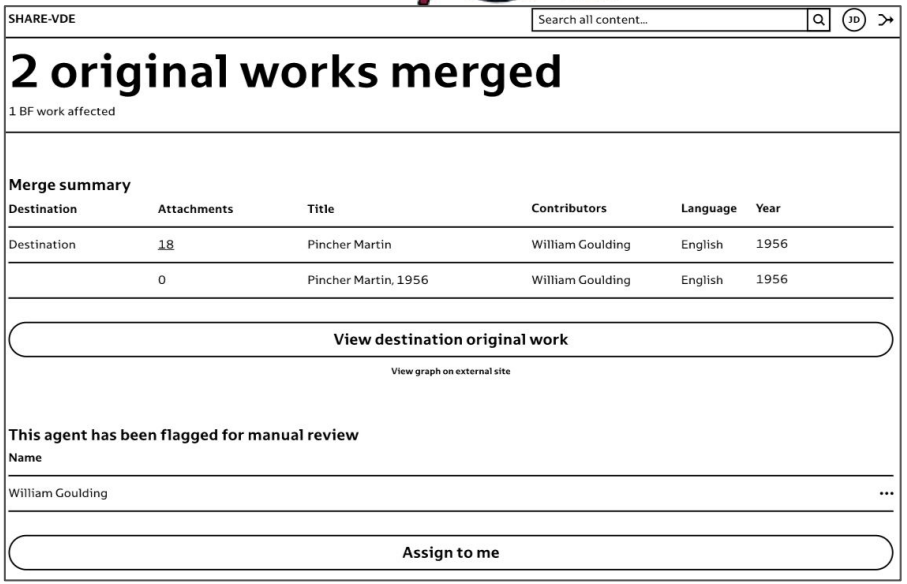






A tool for interconnection: J.Cricket





Share VDE Virtual Discovery Environment

Thank you!

anna.lionetti@casalini.it

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