



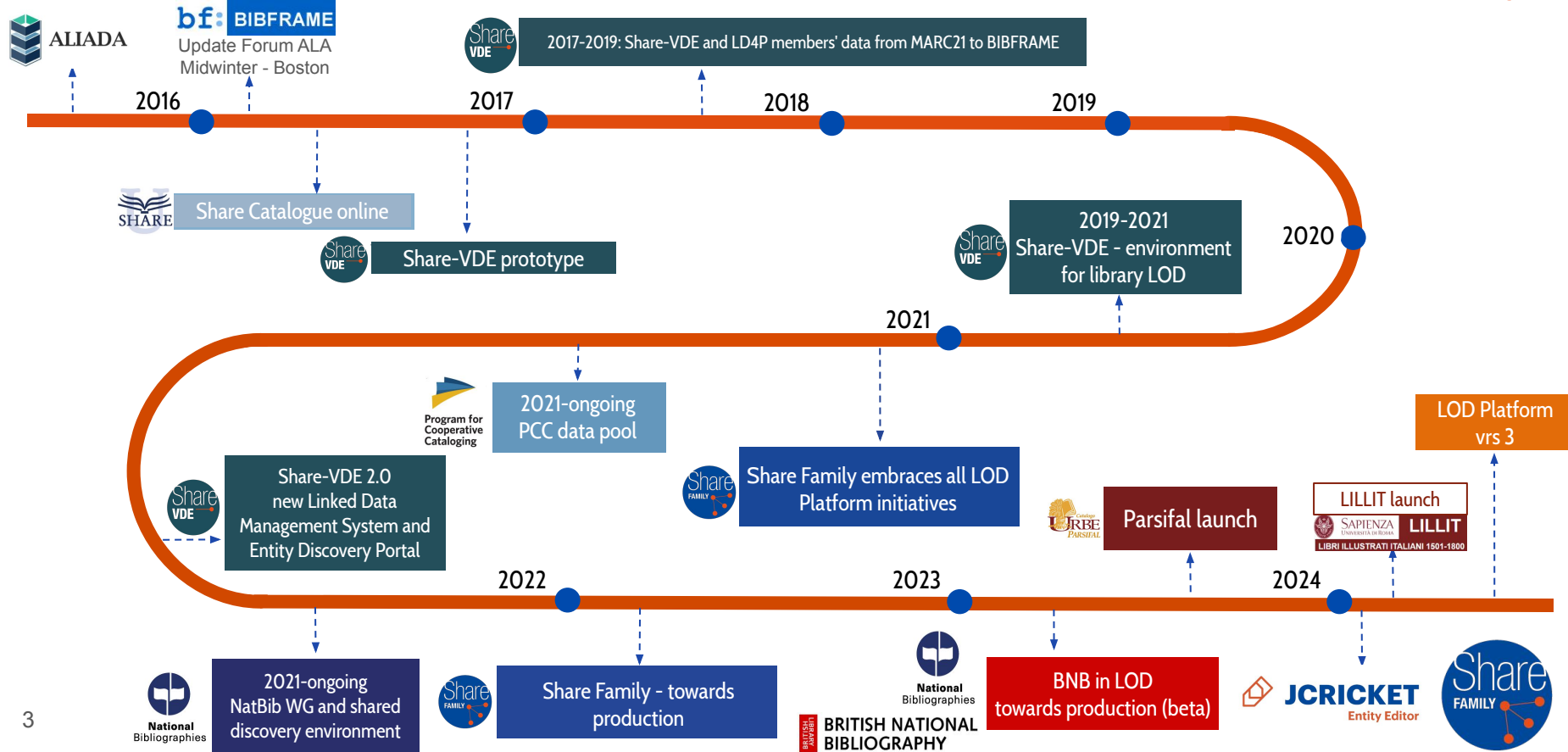
The Share Family initiative: bringing Linked Open Data into practice

info@share-family.org
<https://share-family.org>
<https://wiki.share-family.org>
<https://svde.org>

Share-VDE background and the Share Family



Stepping stones



Share-VDE and Share Family in a nutshell

The ultimate goal is to:

- create a linked data ecosystem where BIBFRAME entities benefit as much as possible from the wealth of data included in the original MARC catalogues;
- act as a linked data node providing authoritative source of data through the CKB;
- reconcile data from different libraries in a Union Catalogue and enrich with information from external sources (e.g. addition of URIs to entities from VIAF, ISNI, Wikidata etc.);
- provide a rich but simple user experience on the discovery portal;
- expose the data on different layers that can serve many purposes (API layer, triple store, discovery portal).

Main references

Resources

- Share Family presentation website <https://www.share-family.org/en/home>
- [Presentation video](#)
- [Share Family Bulletin](#) including latest updates
- [Press release](#) about Version 3 of the LOD Platform (the technology underlying all Share Family initiatives);
- [Share-VDE Open Metadata Policy](#) approved by the Share Family Advisory Council on April 9th 2025;
- [Liaison protocol](#) between the Share Family Advisory Council and the RSC - RDA Steering Committee;
- Demo of the [Share-VDE](#) portal
- [The LOD Platform Technology](#)
- [|Cricket - LOD Platform Entity Editor](#)
 - Use cases of integration with ILSs (i.e. [Alma](#), [FOLIO](#), Sinopia)
 - [Integration with third parties](#)
- [Public Documentation](#), including technical documents and APIs

A cooperative and library-driven initiative

The Share Family is a collaborative initiative based on the needs of libraries, developed and supported by:



the joint effort of the **Share Family Advisory Council** and of the **Working Groups** that contribute to its development;



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;



the vision of **Linked Data for Production initiative** with special endorsement of **Stanford**;



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



Common priorities, challenges and concerns

- By adopting BIBFRAME as main ontology, take advantage of the potentials of linked data to facilitate interoperability among data pools, in coexistence with MARC.
- Transform library catalogs in research tools providing structured access and visibility to research in original languages in all disciplines.
- Apply and support open metadata policies.
- Be independent of local practices and of local choices of ILS/LSP.
- Open up a new level of international cooperation to maintain the wealth of information that will continue to grow.
- By serving as an authoritative data source, contribute to a new bibliographic ecosystem where data modeling, data enrichment and data sharing are handled collectively.

The Share Family Linked Data Ecosystem



The Share Family is a global community built on collaboration that brings together libraries, archives, museums, consortia and Library Service Platforms (LSP) and joins their knowledge in an ever-widening network of interconnected bibliographic data.

For further details please refer to the following section of the wiki: [About the Share Family.](#)



Share-VDE - Virtual Discovery Environment



<https://www.svde.org>

Berkeley Law Library
Duke University
Library of Congress
National Library of Finland
National Library of Norway
National Taiwan University Library
New York University
Smithsonian Institution
Stanford University
University of Alberta / NEOS Library Consortium
University of Chicago
University of Michigan Ann Arbor
University of Pennsylvania
Yale University



Share Catalogue: Scholarly Heritage and Access to Research



[Share Catalogue discovery portal](#)

Università degli Studi di Napoli Federico II

Università degli Studi della Basilicata

Università degli Studi del Sannio

Università degli Studi di Salerno

Università degli Studi di Napoli Parthenope

Università degli Studi del Salento

Università degli Studi di Napoli L'Orientale

Università degli studi della Campania Luigi Vanvitelli

Università degli Studi Suor Orsola Benincasa

Università degli Studi di Cassino

SHARE Catalogue - Participating Universities



UNIVERSITÀ DEGLI STUDI DI NAPOLI
FEDERICO II

Università degli Studi di Napoli Federico II (Naples)



Università degli Studi della
Basilicata (Potenza)



UNIVERSITÀ DEGLI STUDI
DEL SANNIO *Benevento*

Università degli Studi del Sannio
(Benevento)



Università degli Studi di Cassino



UNIVERSITÀ DEGLI STUDI DI SALERNO
Università degli Studi di Salerno (Salerno)



Università degli Studi
di Napoli Parthenope

Università degli Studi di Napoli Parthenope (Naples)



**UNIVERSITÀ
DEL SALENTO**

Università degli Studi del Salento (Lecce)



Università degli Studi di Napoli L'Orientale (Naples)



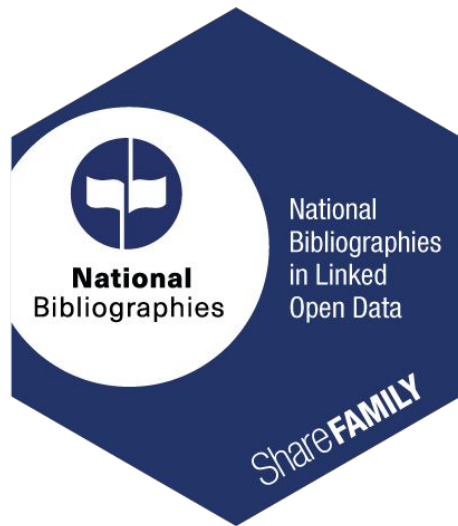
Università degli studi della Campania Luigi
Vanvitelli



UNIVERSITÀ DEGLI STUDI
SUOR ORSOLA
BENINCASA
Università degli Studi Suor Orsola
Benincasa (Naples)



National Bibliographies in Linked Open Data



<https://natbib-lod.org/>

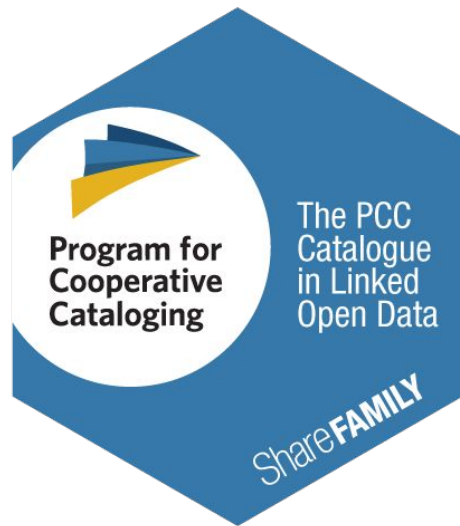
The aggregation of data from National Bibliographies in a shared entity discovery environment; the first of these is the BNB - British National Bibliography, soon to go into production.



The preview of the BNB beta website is available at

<https://bl.natbib-lod.org/>

PCC Catalogue in Linked Open Data



The Share Family hosts a dedicated tenant for the data of the PCC - Program for Cooperative Cataloging, to provide PCC-quality BIBFRAME data housed in an ad hoc data pool

<https://pcc-lod.org/>

Parsifal - Integrated Catalogue in Linked Open Data



<https://parsifal.urbe.it/parsifal/?l=en>

Accademia Alfonsiana

Centro Pro Unione

Pontificia Facoltà di Scienze
dell'Educazione "Auxilium"

Pontificia Facoltà Teologica
"Marianum"

Pontificia Università Antonianum

Pontificia Università della Santa
Croce

Pontificia Università di San
Tommaso d'Aquino (Angelicum)

Pontificia Università Gregoriana

Pontificia Università Lateranense

Pontificia Università Urbaniana

Pontificio Ateneo Sant'Anselmo

Pontificio Istituto Biblico

Pontificio Istituto Orientale

Pontificio Istituto Teologico
"Giovanni Paolo II" per le Scienze
del Matrimonio e della Famiglia

Pontificium Institutum
Patristicum Augustinianum

Università Pontificia Salesiana

Parsifal - Participating libraries (Unione Romana Biblioteche Ecclesiastiche)



Pontificia Università
Antoniana



Pontificia Università della
Santa Croce



Pontificia Università
Gregoriana



Pontificia Università
Lateranense



Università Pontificia Salesiana



Pontificia Università S. Tommaso
d'Aquino



Pontificia Università Urbaniana



Pontificio Ateneo Sant'Anselmo



Pontificium Institutum Patristicum
Augustinianum



Pontificio Istituto Biblico



Pontificio Istituto Teologico Giovanni
Paolo II



Pontificio Istituto Orientale



Accademia Alfonsiana



Pontificia Facoltà di Scienze
dell'Educazione Auxilium



Pontificia Facoltà Teologica
Marianum



Centro Pro Unione



Share Art, Share Music, Share MIA

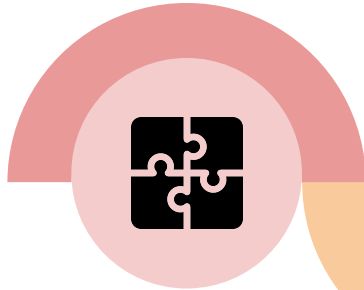


Three pilot projects for shared Linked Open Data environments in the domains of Art, Music and Manuscripts, Incunabula and Ancient books

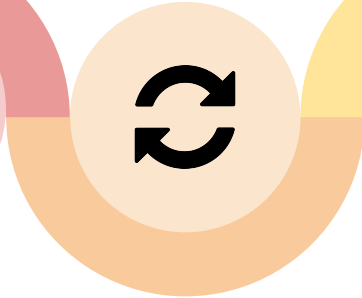
AUTHORITATIVE PRINCIPLES

The quality of data is guaranteed both through advanced technical processes and through collaborative data modeling, enrichment and sharing, handled collectively by member organizations.

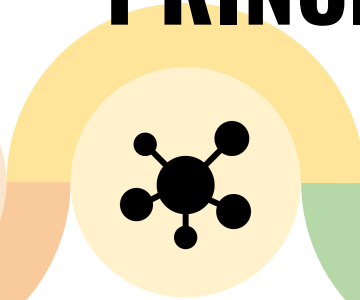
CO-OPERATIVE



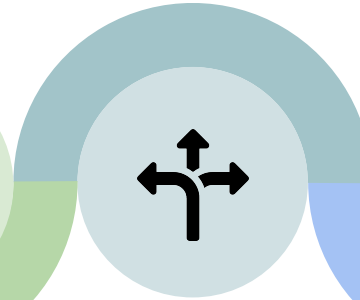
INTEROPERABLE



PRINCIPLES



FLEXIBLE



SUSTAINABLE

OPEN

AUTHORITATIVE

PROCESSES

DATA INPUT FROM INSTITUTIONS

MARC21 bib. and holding

MARC21 aut.

UNIMARC

RDF/BIBFRAME

Other formats (eg. FOLIO)



LOD PLATFORM SERVICES

PROCESSES

Mapping

Reconciliation

Creation of
Linked Data Entities

Conversion to
RDF/BIBFRAME

=

RESULTS

[Data Publication]

- End user discovery portals for each initiative of the Share Family

[Data Distribution]

- Share APIs for data consumption (GraphQL, REST, SPARQL)
- API / protocols for third parties integration

[Shared Data Management]

- (eg. local LSPs and data editor such as Wikidata, Sinopia BIBFRAME editor, FOLIO etc.)
- Editing of Share Family entities with ICricket
- Downloadable datasets

[Additional Services]

- BIBFRAME/RDF/MARC-enriched records
- data in local library systems
- Authority control in MARC and BIBFRAME
- BIBFRAME/MARC representations in local library systems
- Share Family Index: registry of entity URIs

Share Family - Linked Data Ecosystem: Principles



CO-OPERATIVE

Developed and driven by libraries, for libraries, the Share Family is a growing international community built on collaboration. Participating institutions play an active role in defining the vision, aims and progress of the Share Family and its tools.



INTEROPERABLE

By implementing the RDF-based BIBFRAME data model and facilitating interoperability with different data models and data pools, resource description can be transformed into Linked Data, increasing the visibility of research and encouraging greater engagement with library, archive and museum collections.



FLEXIBLE

Enriched and structured data can be re-used in local and external systems, across library types and ILS/LSPs, enabling each institution to maintain control of its own catalogue data.

The Share Family opens the door to a flexible, sustainable, interoperable and co-operative approach to resource description, with time, expertise and costs shared across the community for the benefit of all members.

We strive to encourage open access to data, and support diversity by freely sharing information. We apply and support open metadata policies as part of our commitment to enhancing the discovery of library and cultural heritage resources.

The quality of data is guaranteed both through advanced technical processes and through collaborative data modeling, enrichment and sharing, handled collectively by member organizations.



SUSTAINABLE



OPEN



AUTHORITATIVE



Share Family processes and output

DATA INPUT FROM INSTITUTIONS

MARC21 bib. and holding
MARC21 aut.
UNIMARC
RDF/BIBFRAME
Other formats (eg. FOLIO)

LOD PLATFORM SERVICES

Mapping
URI Enrichment
Reconciliation
Creation of
Linked Data Entities
Conversion to
RDF/BIBFRAME

=

RESULTS

[Data Publication]

- End user discovery portals for each initiative of the Share Family
- Search APIs for data consumption (GraphQL, REST, SPARQL)

+

[Data Distribution]

- API / protocols for third parties integration (eg. local LSPs and data editor such as Wikidata, Sinopia BIBFRAME editor, FOLIO etc.)
- Downloadable datasets (BIBFRAME/RDF, MARC enriched records)

+

[Shared Data Management]

- Editing of Share Family entities with JCricket
- Reuse of Share Family BIBFRAME data in local library systems
- Reuse of Share Family MARC representations in local library systems

+

[Additional Services]

- Authority control in MARC and BIBFRAME-based workflows
- SFI - Share Family Index: registry of entity URIs

Openness means...



OPEN

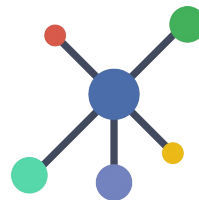
Free Availability

The data is accessible to everyone without any financial, technical, or legal barriers. Open licenses such as Creative Commons or Open Data Commons clearly state permissible uses and encourage unrestricted sharing and innovation.



Interoperability

Published data adheres to widely accepted standards, enabling seamless integration and linking with other datasets. This openness to integration creates a network of data that is more useful and meaningful in a variety of contexts.



Openness means...



OPEN

Transparency and Reusability

Open Linked Data is published in machine-readable formats (e.g., JSON-LD, Turtle) to ensure that both humans and automated systems can use and repurpose it easily.



Discoverability and Accessibility

By adhering to Linked Data principles, Open Linked Data ensures that each data point is uniquely identified by a URI and can be accessed directly on the web, enhancing visibility and discoverability.



Openness means...



OPEN

Inclusivity and Innovation

Openness fosters inclusivity by inviting a wide range of users—researchers, developers, businesses, and the public—to utilize the data for diverse purposes. It also encourages innovation by enabling novel applications, data mashups, and the development of new tools and services.



LOD Platform infrastructure components



Cluster Knowledge Base (or Entity Knowledge Base): a collaborative, trustworthy source of quality bibliographic and authority information in linked open data.



Multi-layered entity discovery portal system: it can be configured for individual institutions, for a single consortium / group of institution, for a network of consortia.



JCricket Entity Editor: tool designed for collaboratively creating and curating linked data entities stored in the Cluster Knowledge Base.



APIs backbone for seamless interaction with external systems.



Integration with third parties: for interoperability with ILS/LSP (eg. FOLIO, Alma), BIBFRAME editors (eg. Sinopia, Marva), authority sources (eg. Wikidata, ISNI, QA).

How to achieve these goals

These goals can be achieved applying the the emerging bibliographic ecosystem based on BIBFRAME and on the Linked Open Data principles.



Governance and long-term sustainability are, among others, crucial aspects addressed by the community that since 2016 progressively takes steps into this direction.



Member-driven governance model



Share-VDE: supporting the creation, management and discovery
of linked open data for libraries

Executive Summary

Approved by the Share-VDE Advisory Council on December 7th 2022

What is Share-VDE?

The Share Virtual Discovery Environment is driven by libraries, for libraries, in an international collaborative effort. It enables the discovery of knowledge to increase user engagement with library and cultural heritage collections.

Share-VDE supports members through the linked open data, leveraging the cooperative world to offer a flexible, sustainable and practice.

The Share-VDE partners guide every implementation. Input from the Advisory Share-VDE data model and tools stand up to expertise provides in-depth analysis, studies throughout its lifecycle.

Innovative framework and authoritative Knowledge
Committed to open data sharing and reuse and bibliographic data as linked data, regard



Share Family for Consortia

Executive Summary

The Share Family

Share Family is a global initiative developed and driven by libraries, for libraries, in an international collaborative, consortial effort. It enables the discovery of knowledge to increase user engagement with library and cultural heritage collections.

The Share Family offers library consortia the opportunity to enter into the linked open data environment and make available to their members an extensive range of new-generation bibliographic tools and an innovative resource portal.

Vision, governance and values

Vision: Developed and guided by the international library community, the [Share Family of Initiatives](#) envisions a future where libraries collaboratively define and shape the tools and principles driving bibliographic advancements.

Governance: The direction of Share Family is overseen by the [Share Family Advisory Council](#), comprising representatives from member libraries. Libraries actively participate in policy-making and tool development, sharing expertise, responsibilities, and costs to benefit the entire community and its patrons.

Values: At the core of Share Family's ethos are shared values of cooperation, openness, sustainability, and flexibility. The Share Family commits to developing long-term viability of solutions promoting shared tools and resources. It encourages interaction within an evolving ecosystem of linked data, empowering libraries to adapt and thrive in the digital age.

The direction of Share Family is overseen by the [Share Family Advisory Council](#), comprising representatives from member institutions. Representatives actively participate in policy-making and tool development, sharing expertise, responsibilities, and costs to benefit the entire community and its patrons.

Being a community initiative, the goals and desired outcomes are defined by the participating institutions through active engagement in different [Working Groups](#).

<https://bit.ly/SVDE-Open-Metadata-Policy>

<https://bit.ly/SF-Executive-Summary-Consortia>



Governance: open data policies



Share Family Open Metadata Policy

Approved by the Share Family Advisory Council
on March 15th 2023; amended on April 9th 2025

The Share Family strives to support and invest in open data to freely share information. The community is committed, wherever possible, to share data transformed by its series of Linked Open Data (LOD) processes. The Share Family community has invested great effort to ensure its structured data adhere to the accepted community standards and practices for the library and the open data community.



Share Family data may be used under a CC0 license unless expressly stated otherwise.

The Share Family data pool consists of newly created metadata objects derived from existing data provided by member institutions, enriched and published as RDF, as well as entirely new objects manually created within the system. These data are open and interoperable by humans and machines alike. The Share Family highly encourages their use to promote global dissemination, accessibility, reusability, and discoverability of information resources.

This commitment ensures the widest possible distribution and reuse of our metadata. The Open Data Policy does not cover tools and services developed by the Share Family community nor the original data submitted by member institutions.

Some Share Family Ecosystem tenants may adhere to other open data policies. When using data originating from these tenants, attribution of the source of the metadata or other restrictions as outlined in the tenant's appropriate policy may be required. For example, the PCC Data Pool adheres to CC BY-NC 4.0.

For further information on the tenants' policies, refer to the wiki page [Share Family Linked Data Ecosystem](https://bit.ly/ShareFamily-Open-Metadata-Policy).

The communities of institutions that form the Share Family and leverage its LOD Platform technology freely decide how they want to reuse the data output from the LOD Platform.

As an example, SVDE adopted an Open Metadata policy <https://bit.ly/ShareFamily-Open-Metadata-Policy>.

This topic strongly resonates within Share Family and SVDE communities → ongoing discussion to revise the SVDE Open Metadata Policy and state the option for open data more explicitly.



Outputs for consortia or single libraries

Linked Data Descriptions and Enriched MARC Records

- The Library catalogue is converted in linked data entities according to BIBFRAME 2.0. The entities are then enriched both with native and persistent SVDE URIs and URIs from external sources.
- MARC records from the original library catalogue are enriched both with native SVDE URIs and URIs from external sources.

Discovery Portal

- Advanced entity discovery system based on BIBFRAME
- Customised UI (skin)
- Integration with local APIs
- Site mapping with additional meta-tagging
- Data conversion to Schema.org

JCricket Entity Editor

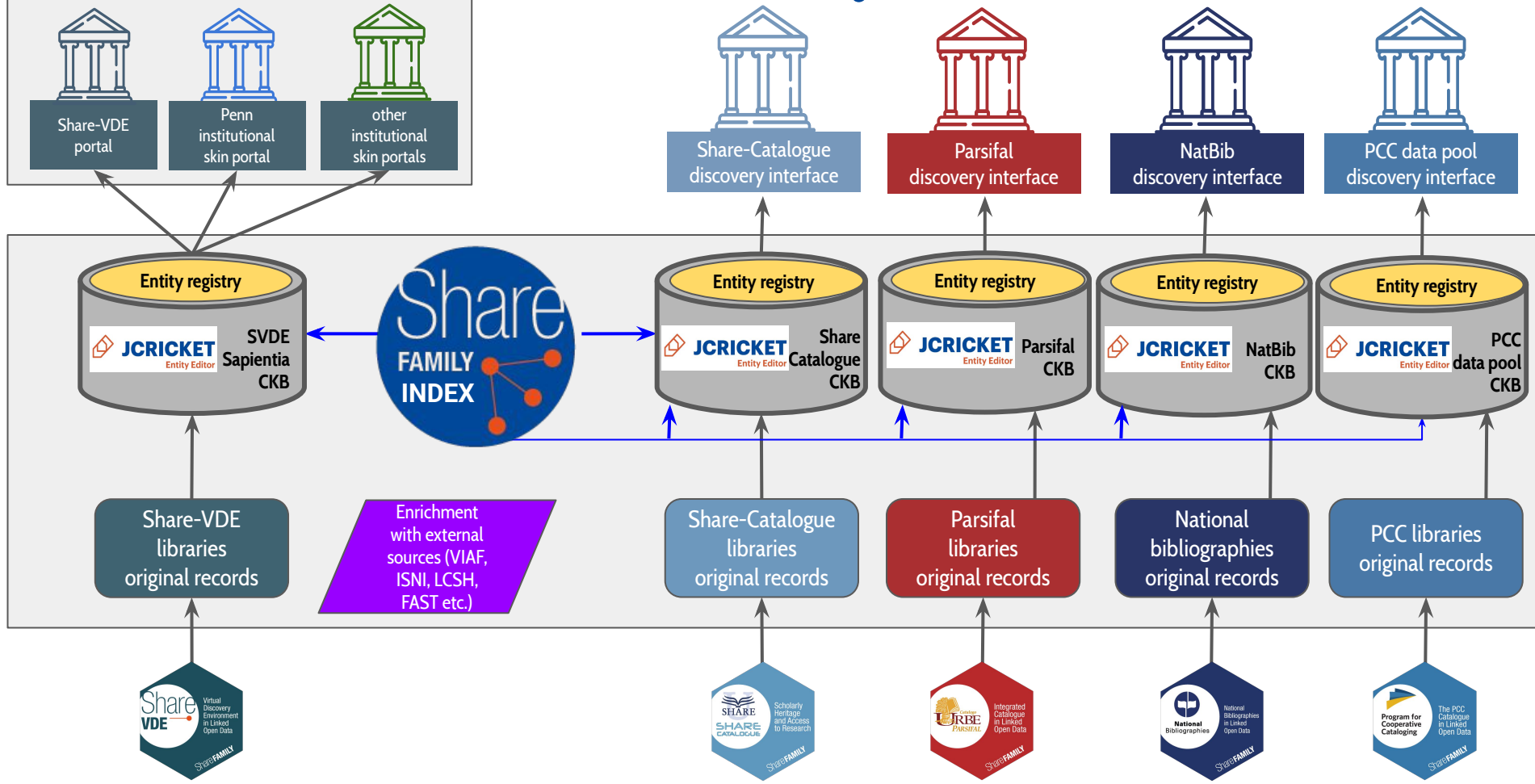
- It's a manual collaborative tool designed to manage properties (attributes, relations, and links) of entities in the Cluster Knowledge Base, improving data quality through tasks like creation, merging, and splitting.
- Data can always be traced back to each Institution through the Provenance.
- It can potentially support other workflows and connections with systems external to the Share Family

Authoritative Services

- Innovative solutions that facilitate and improve authority control through automatic and manual procedures.
- Libraries to receive constantly updates on their bibliographic and authority records from authoritative sources.
- Authority Services currently available for MARC-based workflows offer automated URI enrichment, reconciliation and validation of library data.


Share-VDE discovery portal and institutional skins

Share Family tenant infrastructure




Default configuration: SVDE and PCC data pool

Simple search default configuration on [SVDE](#) and [PCC data pool](#) portals

 ShareVDE BETA


Search for people, original works and publications

e.g. *Jules Verne* or *Around the world in 80 days*



[Advanced search](#)

Explore the library data of the 20+ Share-VDE member libraries

[Learn more](#) [Options](#) 

 THE PCC CATALOG BETA

Search for people, original works and publications

e.g. *Jules Verne* or *Around the world in 80 days*



[Advanced search](#)

Explore the open pool of PCC-quality BIBFRAME data housed by the Share
Family initiative

[← Back to PCC](#) [Learn more](#) [Options](#) 



Default configuration: British National Bibliography

Simple search default configuration on [Natbib tenant](#) and the [BNB - British National Bibliography skin](#)*

 **BRITISH NATIONAL BIBLIOGRAPHY** BETA

Search for people, original works and publications

Publications

Original works

People and organizations

e.g. the hitchhiker's guide to the galaxy adams

Language

Year

Type

[Advanced search](#)

Explore linked open data for books and journals published or distributed in the United Kingdom and Ireland since 1950, and electronic publications since 2013

[← Back to British Library](#)

[Learn more](#)

[Options](#) 

Publication ⓘ

Fruit of the lemon

Volume. Published in English in 2006 in Leicester by Charnwood.

ISBN: 1846171229

BIB: GSA586210

Identifier: p1891653381779206

Notes: ill. ;

Acquisition term: 618.99

Bibliographic level: Monograph

Cataloging source: StDuBDS

Descriptive cataloging form: AACR

Dimension: 24 cm.

Edition statement: Large print ed.

Encoding level: Full

Extent: 413 p. (large print) :

Record status: Increase in encoding level from prepublishing

Responsibility statement: Andrea Levy;

Copy URI for this page

<https://natbib-lod.org/publications/1891653381779206>

Copy

Download the page in these formats

.json

MARC (binary)


MARC (XML)


RIS

Related agents ⓘ

Subjects ⓘ

Filter agents...





* [the British Library announced](#) the launch of the beta version of the British National Bibliography Linked Open Data Portal



Default simple search configuration: the BNB

BRITISH NATIONAL BIBLIOGRAPHY BETA

Search for people, original works and publications

Publications Original works People and organizations

e.g. the hitchhiker's guide to the galaxy adams

Language Year Type

[Advanced search](#)

Explore linked open data for books and journals published or distributed in the United Kingdom and Ireland since 1950, and electronic publications since 2013

[Back to British Library](#) [Learn more](#) [Options](#)

Simple search default configuration on [Natbib tenant](#) and the [BNB - British National Bibliography skin](#)* is set to Publications search, instead of the SVDE default.

This was done to comply with a different requirement whereby for the data stored in this tenant (ie. national bibliographies) it's meaningful to direct users to publications.

Different communities or types of institutions might need customised features

(*) Note: the skin for the British National Bibliography is a preview of a beta site.



Share Family tenant infrastructure

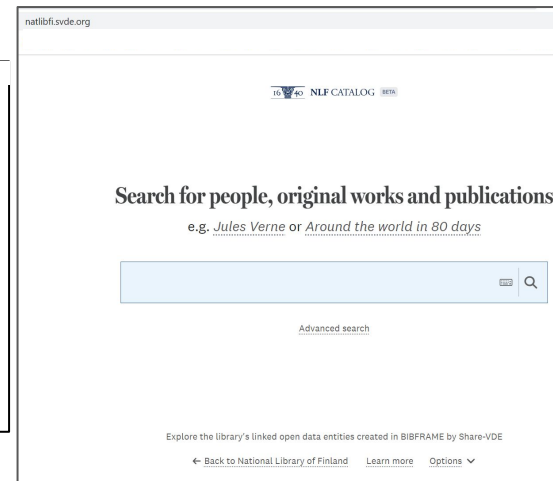
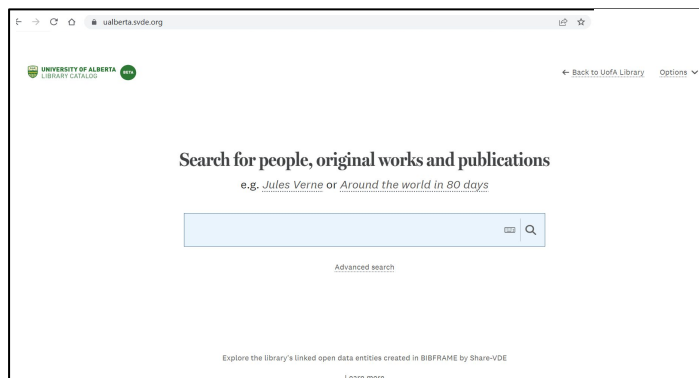
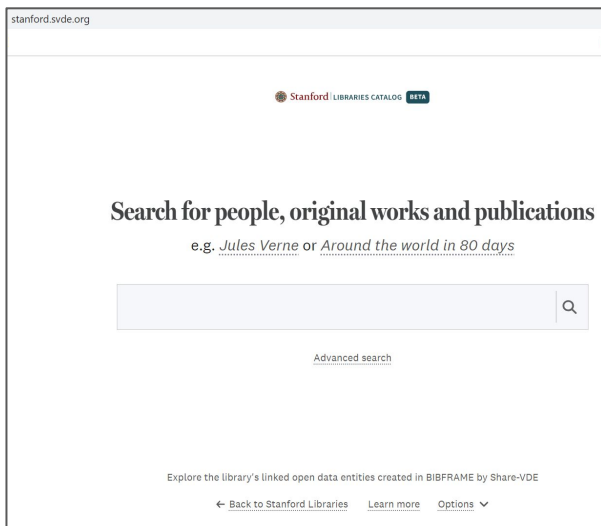
- The Share Family of initiatives includes different branches and sister projects, supported by the same [LOD Platform technology](#). Each branch or project is hosted in a specific tenant of the system architecture with a corresponding specific Cluster Knowledge Base and a dedicated web entity discovery portal.
 - For more details on the Share Family tenant infrastructure see the [Summary of Share Family tenants](#).
- In some cases, within a single tenant a customised skin (ie. a sub-portal of the main entity discovery) can be created to address ad hoc needs of an institution, or group of institutions, willing to expose only their own data or to integrate local services in the Share environment.
 - For example, Share-VDE entity discovery portal at [svde.org](#) is one of such tenants, including a pool of data from a number of institutions, and the respective skin portals.

Institutional skin portals within a tenant

- While the main entity discovery portal of a tenant shows the data of all the institutions feeding the tenant's Cluster Knowledge Base, [the skin portal](#) gives the ability to filter only the data of the institution that the skin portal has been designed for.
- To this aim, the “held at” filter was added, allowing to filter publications by what is available at the current library. It is enabled on skin portals at Publication (= Instance) level in these cases:
 - in advanced search, see e.g. NYU data pre-filtered here [https://nyu.svde.org/advanced-search/publications?q=\(title+does+not+contain+xyz\)&heldAtLibrary=true](https://nyu.svde.org/advanced-search/publications?q=(title+does+not+contain+xyz)&heldAtLibrary=true) (see the toggle on the right of the screen, you can turn it on / off)
 - in the Original work entity page that lists Publications, see e.g. <https://nyu.svde.org/suite-de-la-mancha-flute-cello-piano-unknown-author-o781654264663247/library-publications> (see the toggle on the right of the screen, you can turn it on / off)
 - in simple search results in cases where the simple search default on the home page is the Publication simple search (e.g. [Natbib tenant](#))

Example: institutional skin portals in SVDE

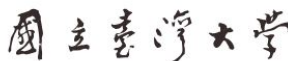
- **SVDE tenant** - <https://svde.org> => with LC's authority data and the bibliographic data of member institutions
 - skin portals including: [Penn](#), [Smithsonian](#), [Stanford](#), [University of Alberta](#), [New York University](#), [National Library of Norway](#), [National Library of Finland](#) (other skin portals will be set up following the load of libraries' catalogues to svde.org)



Community work and outcomes

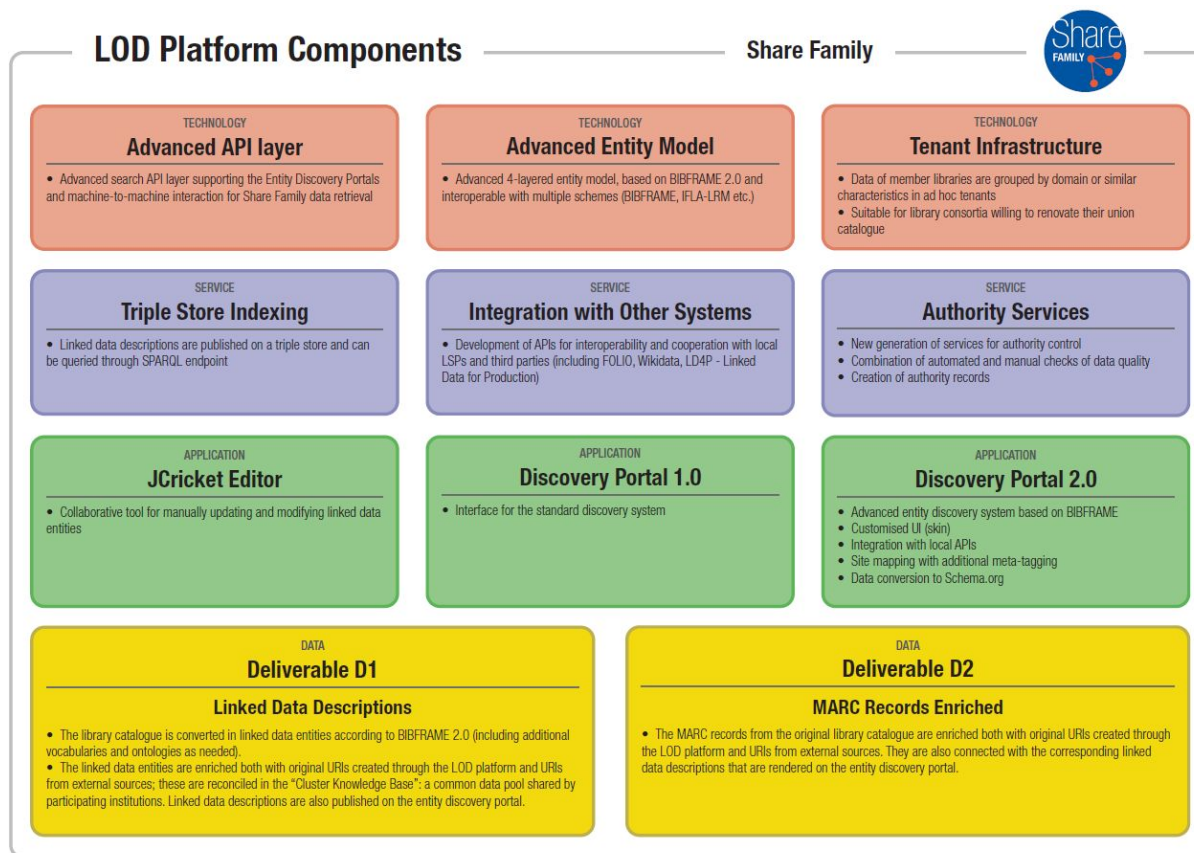


Among the active participant institutions

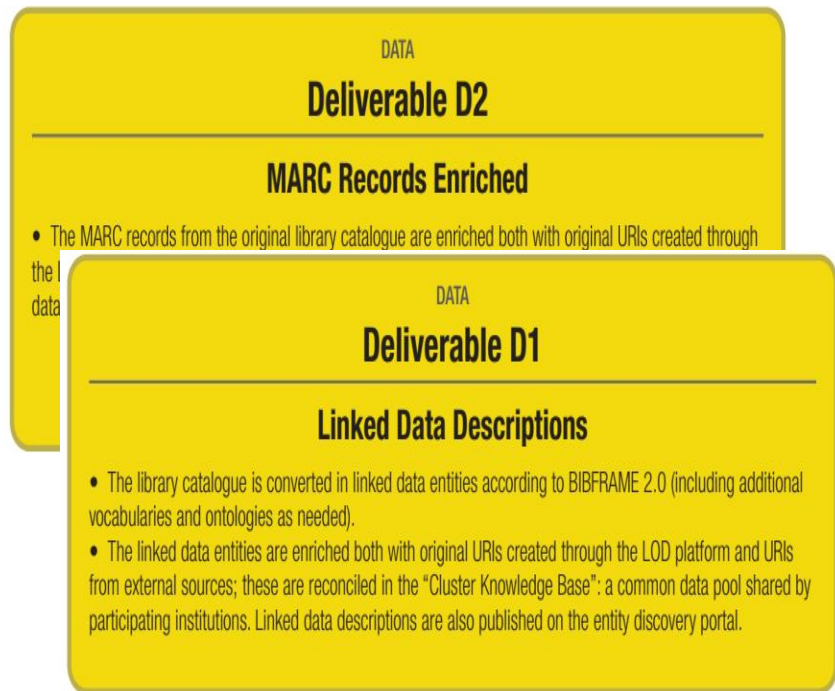


Libraries members of SVDE and Share Family working groups and parallel projects are constantly contributing with their Subject Matter Experts to requirements gathering, functional analysis and feedback to developments.

The configurable components



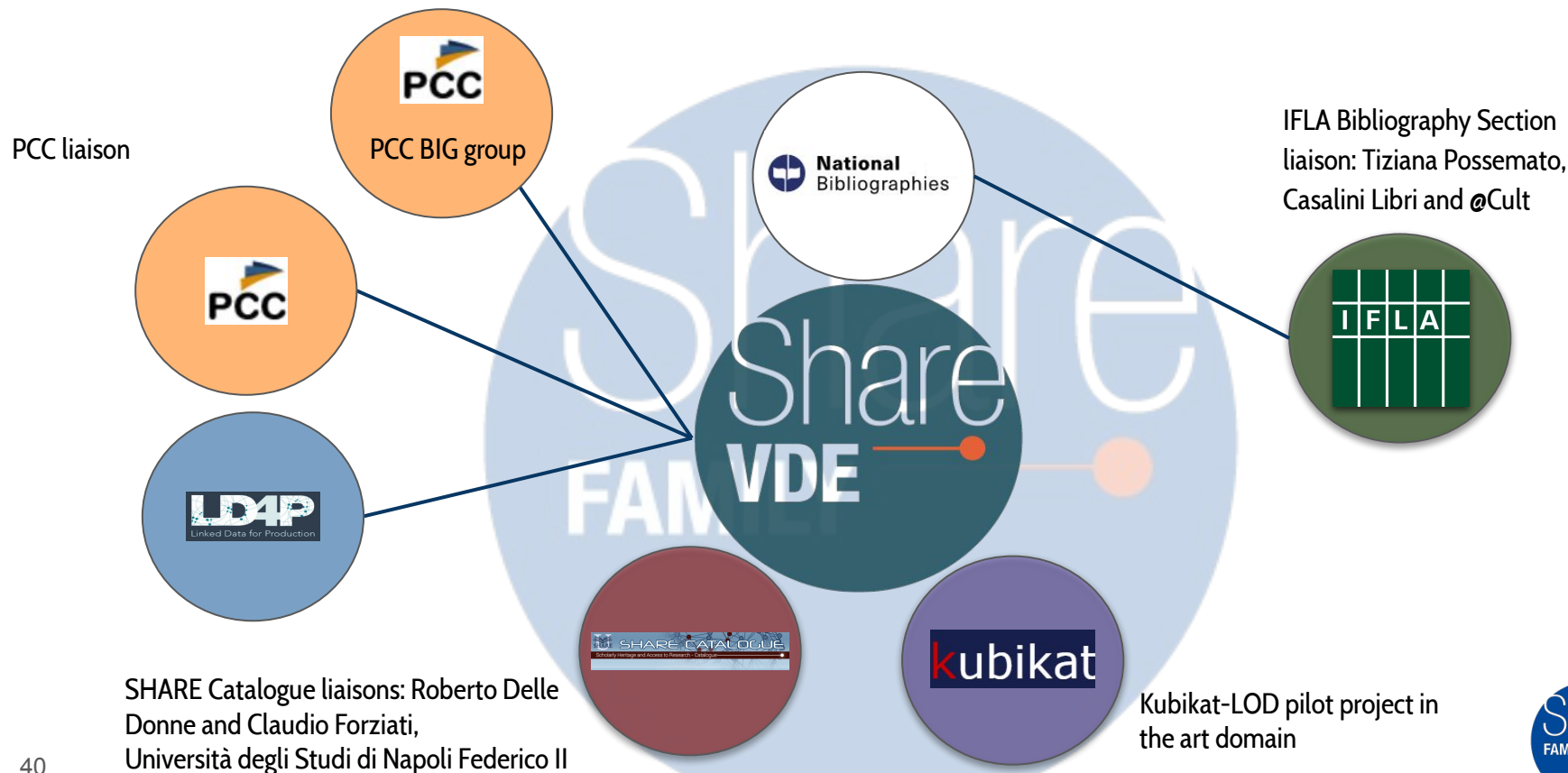
Deliverables



Data, enriched with information (URIs and values) from external authoritative sources and converted following the BIBFRAME data model, are available for the publication on the Share portal and for other library projects, both in Marc 21 enriched and in RDF.

Data can be enriched with specific sources selected by each library, following their special and local needs

Share Family and Share-VDE liaisons



Community engagement: library community



Extended community:
collaboration with
heterogeneous initiatives and
institutions in the library domain

Scientific value: sharing of data
and services in different
technological environments and
diverse bibliographical and
cultural context

Community engagement: World Wide Web



Mixed community:
cross-domain cooperation
across the Web community

Scientific value: same
solutions serve scopes of
different communities, data
reuse

BIBFRAME Interoperability Group - BIG

- Define a standard BIBFRAME “shape” to support data reuse including conversion to and from other formats.
- Explore defining BIBFRAME elements necessary for data exchange.
- Surface issues regarding the use of the Official RDA with BIBFRAME and propose strategies for their resolution.
- Collaborate and communicate with other groups working in the area of BIBFRAME interoperability to ensure the ability to reuse BIBFRAME created in one community in other BIBFRAME stores.
- Examine the work accomplished by the other BIBFRAME working groups and apply to this charge where appropriate.
- Gather use cases as necessary to inform decision making, expanding on the efforts of the Use Case Working Group and others.
- Provide an avenue for other interested parties to contact the BIBFRAME Interoperability Group and/or reach out to other stakeholders.

Share-VDE and Share Family Working Groups

Libraries members of Share-VDE and Share Family Working Groups and parallel projects are constantly contributing with their Subject Matter Experts to requirements gathering, functional analysis and feedback to developments.

Share-VDE Advisory Council and Working Groups:

- Share-VDE Advisory Council
- Sapientia Entity Identification WG
- Authority/Identifier Management Services WG
- Cluster Knowledge Base Editor WG
- User experience/User Interface WG

Share Family Working Groups:

- National bibliographies Working Group involving SVDE members and external institutions
- Italian group for the conversion UNIMARC - BIBFRAME
- discussions in the field of photo libraries and audio-visual collections

Share-VDE Advisory Council

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 Family member institutions.

Among the latest outcomes:

- [Share Family Executive Summary for Consortia](#), March 2024, which defines Share Family's role in aiding consortia in adopting linked data methodologies for enhanced collaboration;
- [Share-VDE Executive Summary](#), December 2022, summarising the scope of Share-VDE in the context of Linked Open Data for Libraries;
- Library and community events sub-group, dedicated to monitoring conferences/events/initiatives of interest for the Share community, and to submitting proposals for presentations as appropriate;
 - see the [SVDE wiki Resources page](#) for details about SVDE presentations at conferences and events.

Authority/Identifier Management Services WG

The [AIMS WG](#) defines guidelines and best practices for Authority/Identifier management; defines scope and data-flow for the creation and implementation of automated services based on preliminary documentation; proposes additional use cases identified as essential for effective knowledge base management.

Among the latest outcomes:

- definition of use cases;
- functional analysis;
- analysis of interaction with Wikidata and ISNI (joint work with CKBE WG to design JCricket functionalities);
- pilot of MARC-based authority services with Stanford University Libraries;
- initial analysis of services for authority control in linked data workflows.

Focus on Authority Services

Services for the authority control that combine automated and manual processes

For record environments:

- validation of MARC bibliographic records (correction of MARC fields and obsolete forms, update of tags and subfields etc.);
- enrichment of MARC fields with SVDE original URIs and URIs from external sources according to ad hoc profiling, including LCNAF, VIAF, ISNI;
 - Casalini Libri is ISNI registration agency creating and assigning ISNI to persons and organisations (e.g. publishers)
- matching processes on external authority files;
- import of authority records;
- reporting features providing complete details of the validation and corrections done to the records.

→ **initial release** of the authority control features for MARC records released in 2022 Q2.

Next step developments: Authority Services fully integrated in the Linked Open Data environments.

Cluster Knowledge Base Editor WG

The [CKBE WG](#) analyses how libraries interact with the *Sapientia* Cluster Knowledge Base (CKB) and their use of the JCricket Editor for modifying (correcting / enriching), deleting, merging and separating clusters.

Among the latest outcomes:

- back-end developments for [JCricket entity editor](#) are completed, front-end features in progress;
- definition of use cases;
- design of manual editing features;
- analysis of interaction with Wikidata and ISNI to be incorporated into JCricket and authority dataflows that feed the Cluster Knowledge Base (joint work with AIMS WG to design JCricket functionalities).

Sapientia Entity Identification WG

The [SEI WG](#) reviews use of entities, identifiers, and associated modelling in the Sapientia CKB; reviews and refine processes for Sapientia entity clustering in Share-VDE and the creation of associated open and stable URI for use in Share-VDE and the library community; reviews MARC to BIBFRAME and BIBFRAME to MARC conversion; engage with the library community to identify and/or develop best practices for use of Sapientia identifiers in BIBFRAME and MARC data.

Among the latest outcomes:

- 4 layers in [SVDE entity model](#): svde:Opus | svde:Work | svde:Instance | svde:Item;
- svde:Opus and svde:Work are types of bf:Work → this ensures interoperability;
- definition of SVDE ontology;
- review of clustering and conversion rules;
- cooperation in the IFLA context: the mapping UNIMARC-BIBFRAME is being prepared and a formal liaison with SVDE has been approved by the IFLA Bibliography Section Standing Committee.

Focus on entity model

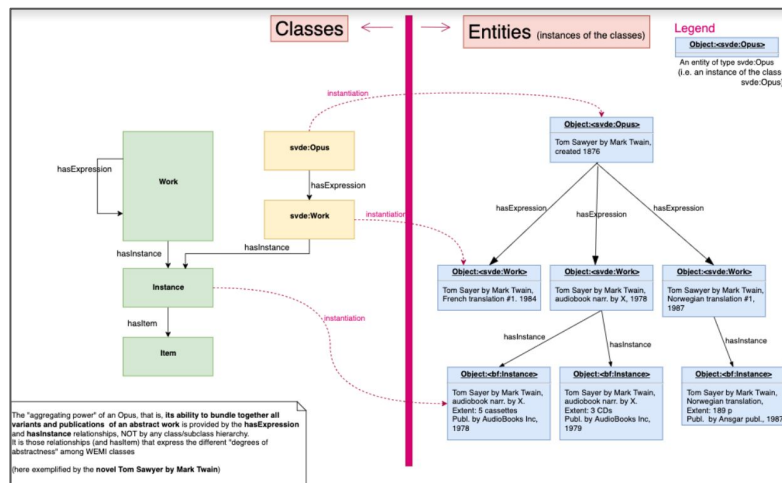
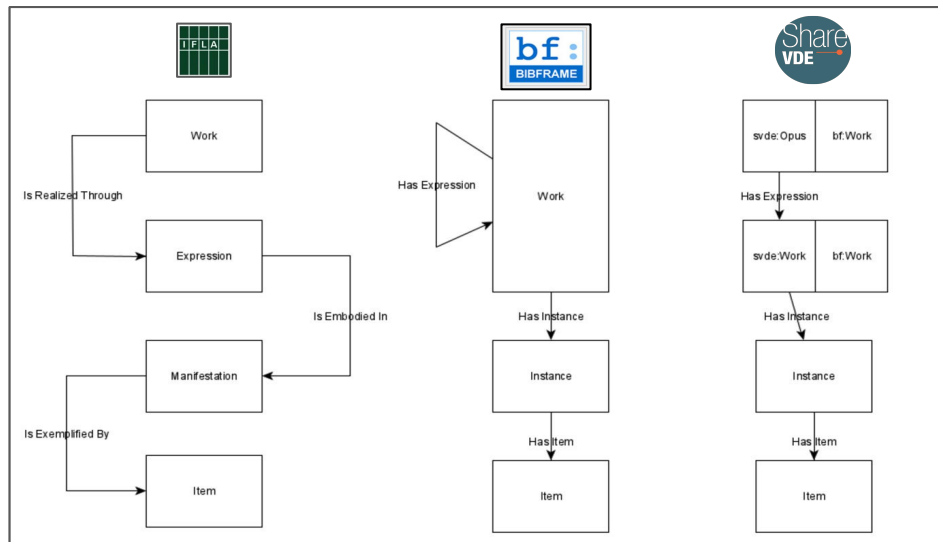
Share-VDE as a BIBFRAME node to put BIBFRAME into practice:

- Share-VDE provides enriched data that is interoperable with other BIBFRAME nodes and with other models;
- the Share-VDE working groups have reviewed algorithms and processed, and expanded the BIBFRAME model to meet real-world needs;
- focus on cooperation also in the IFLA context: the mapping UNIMARC-BIBFRAME is being prepared and a formal liaison with SVDE has been approved by the IFLA Bibliography Section Standing Committee.

The challenge of data models interoperability

Share-VDE Sapientia Entity Identification (SEI) Working Group decision of June 10th 2020

See the [SVDE entity model compared to BIBFRAME and IFLA-LRM](#) and an [example of application of the model](#).



Share-VDE Ontology

SVDE Ontology designed in the dedicated Sapiientia Entity Identification Working Group as an extension for BIBFRAME.

Core model:

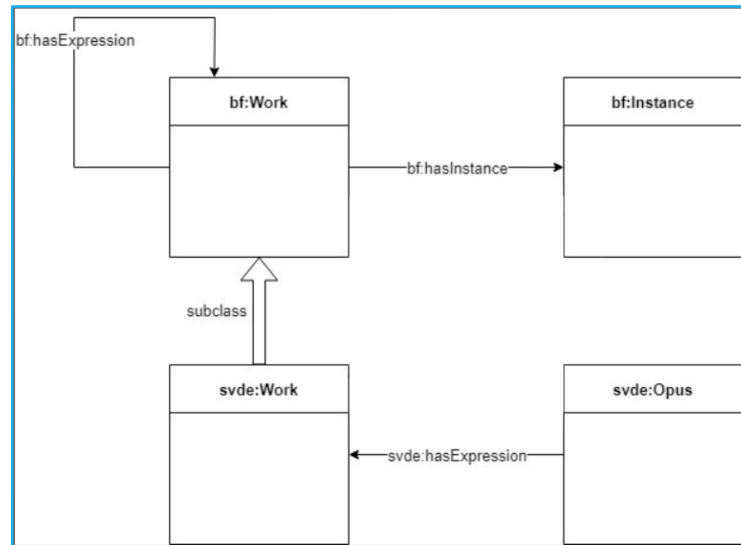
svde:Work

svde:Opus

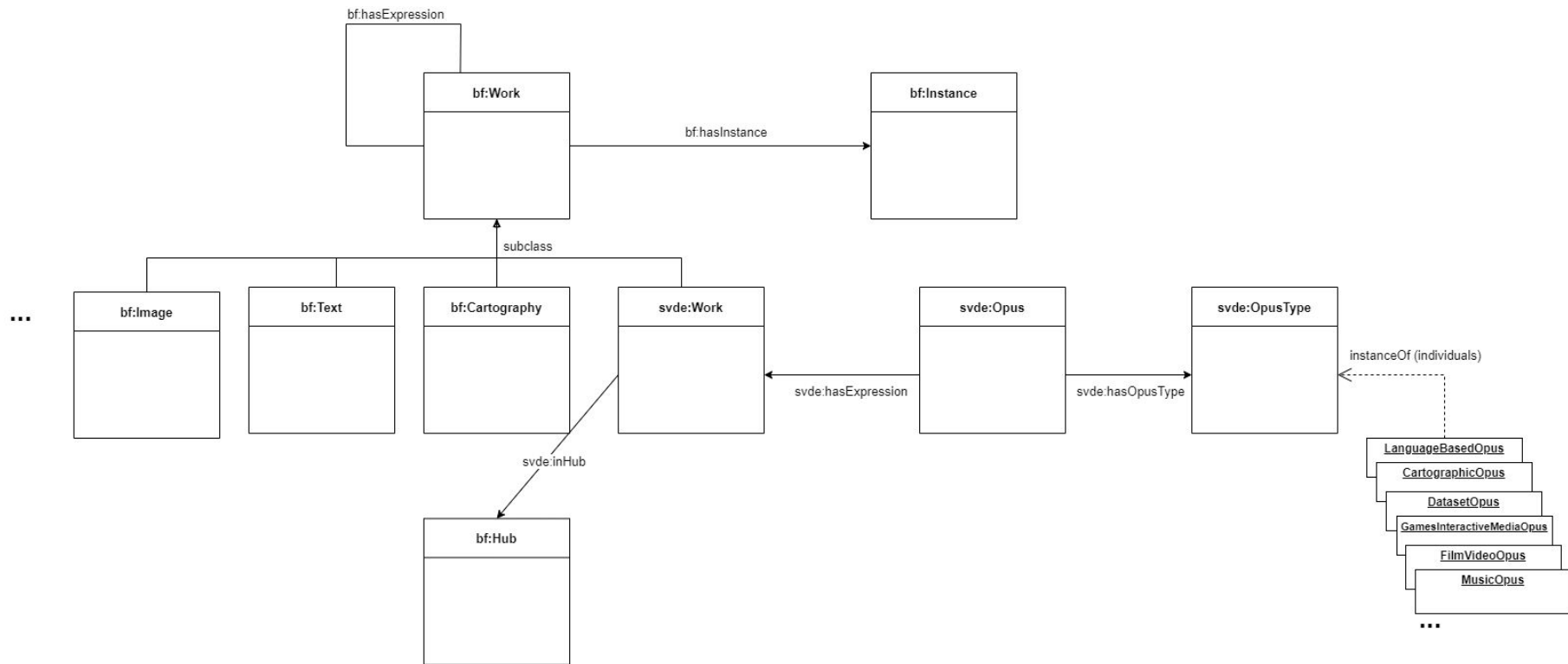
svde:hasExpression

SVDE ontology preliminary version

The Share-VDE ontology (presentation article): <https://doi.org/10.5281/zenodo.8332350>



Share-VDE Ontology model



User Experience/User Interface WG

The [UX-UI WG](#) has re-designed Share-VDE user interface to respond to both patrons and library staff requirements and expectations. SVDE 2.0 entity discovery interface:

- reflects the components of the Share-VDE data model infrastructure;
- harnesses the potential of linked data and deliver wide-ranging and detailed search results;
- provides an intuitive user experience hiding the complexity of the underlying data model;
- embeds partner APIs for the interoperability with local library services (e.g. lending);
- allows dedicated skins, ie. customised sub-portals dedicated to individual institutions.

Among the latest outcomes:

- Share-VDE 2.0 Entity Discovery <https://svde.org>
- new Entity Discovery Portal and new back-end infrastructure for the Linked Data Management;
- other [Share Family discovery portals](#) supported by the same technology;
- review and enhancements of portal features, in conjunction with the National Bibliographies Working Group.

National bibliographies WG

The [National bibliographies WG](#) is dedicated to the practical cooperation among the National Bibliographies, to address the needs of National Libraries and institutions that hold National Bibliographies in the framework of a shared entity discovery environment such as the Share Family of initiatives.

Among the latest outcomes:

- overview document [National Bibliographies Share Family initiative 2022-June.pdf](#)
- involvement of SVDE / Share Family members and external institutions;
- IFLA Bibliographic Section liaison (Tiziana Possemato - @Cult and Casalini Libri);
- discussion around topics of interest for an ad hoc tenant hosting national bibliographies;
- main tenant of the shared discovery environment for national bibliographies: <https://natbib-lod.org/>; implementation of the institutional portal for the BNB - British National Bibliography <https://bl.natbib-lod.org> (beta site);
- joint work with the SVDE UX-UI working group to design end user services and user interface/discovery features.

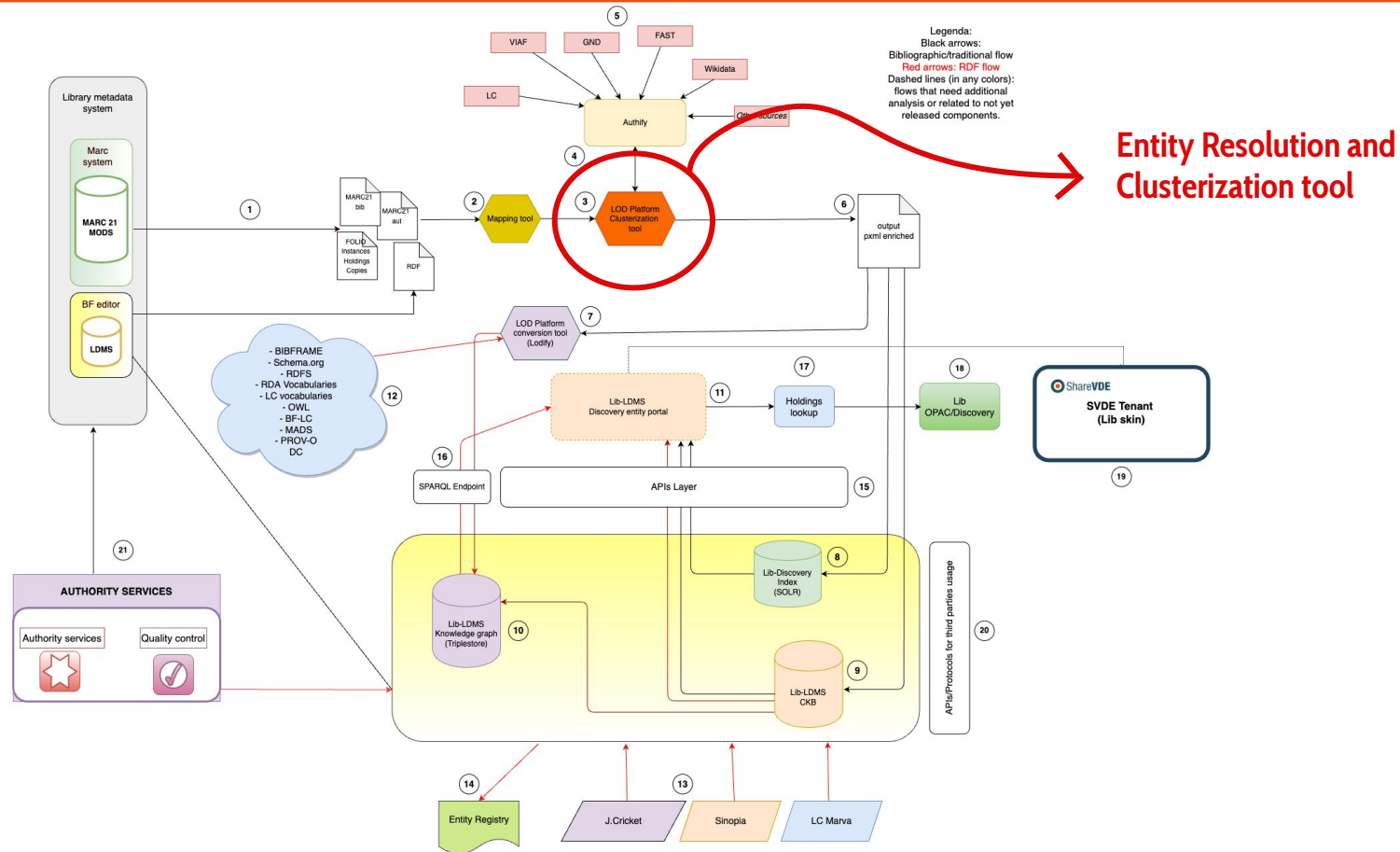
National bibliographies WG - latest outcomes

- Study and address the needs of institutions that hold National Bibliographies in linked data platforms;
- goal: build a shared discovery environment hosting LOD National bibliographies dataset;
- the British National Bibliography is the first national bibliography of this new tenant:
 - **National Bibliographies tenant** - <https://natbib-lod.org>
 - with the skin for the British National Bibliography <https://bl.natbib-lod.org> (Note: the skin for the British National Bibliography is a preview of a beta site)
- the Working Group is currently analysing use cases for ad hoc features of the shared National Bibliographies portal;
- review and enhancements of portal features, in conjunction with the SVDE UX-UI Working Group, are on going.

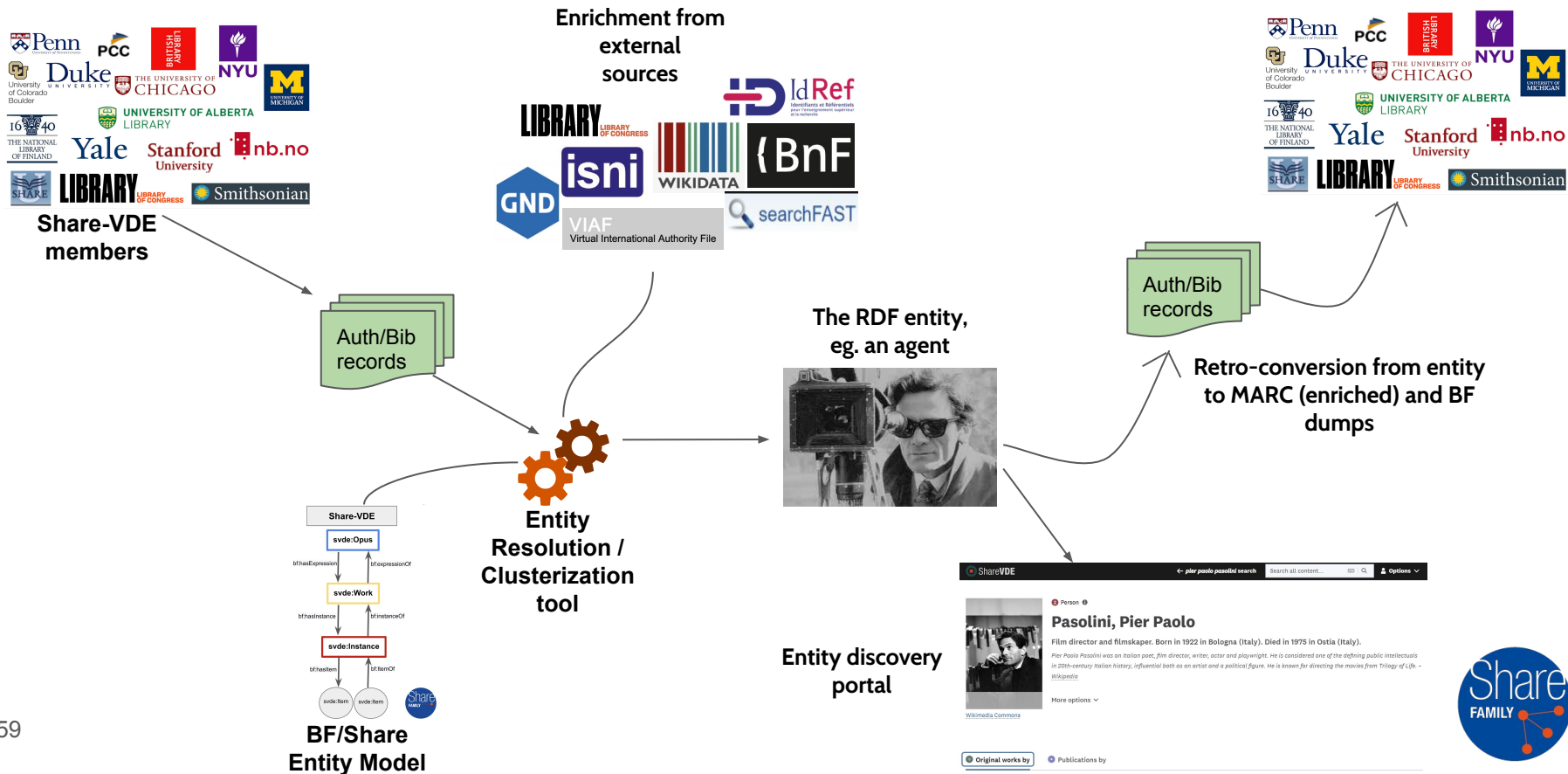
Technical overview



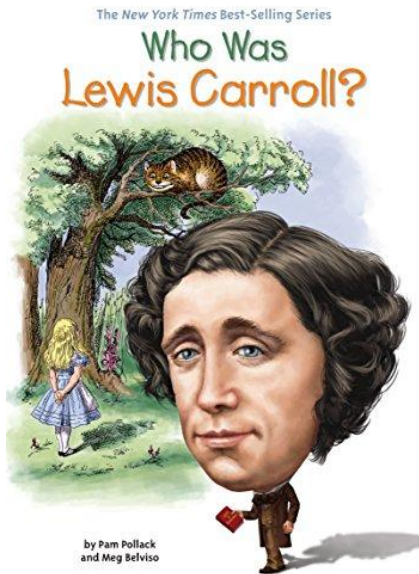
Share-VDE data flow - ER and Clusterization tool



Conversion pipeline: from records to entity



Entity Resolution (ER) and Entity modeling (1)



?

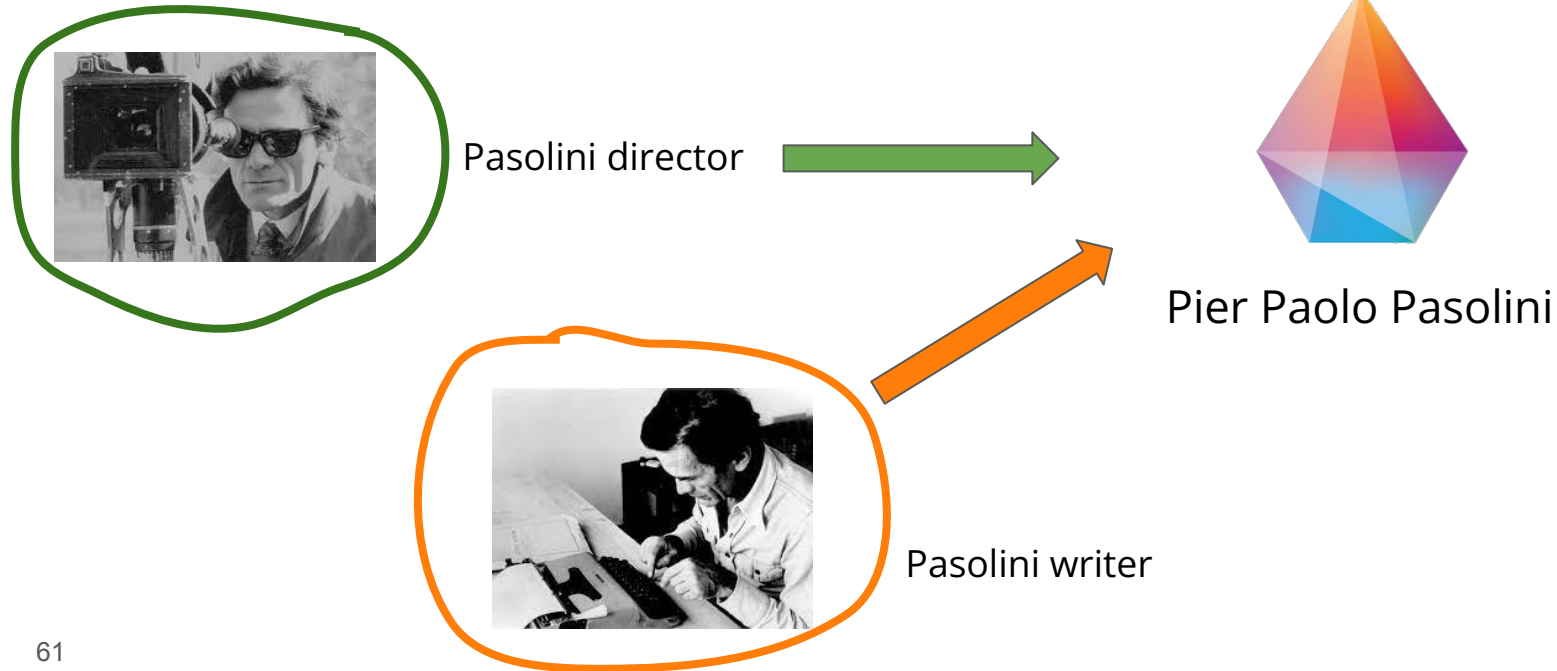


Lewis Carroll => *Alice's Adventures in Wonderland*

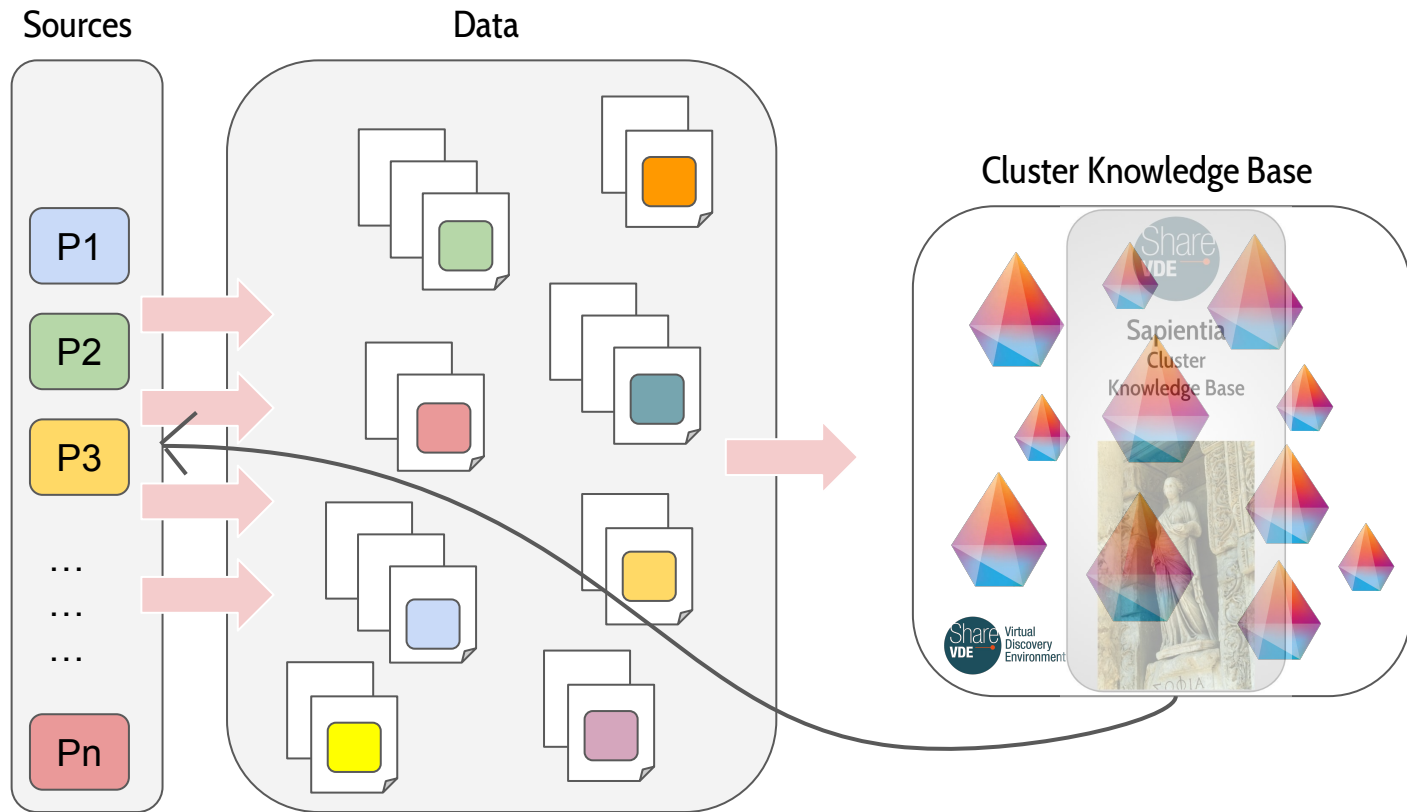
Charles Lutwidge Dodgson => *The game of logic*

Entity Resolution (ER) and Entity modeling (2)

Profile: the information unit that expresses the identity of a particular and unique entity




Library cooperation: the cluster as the set of many faces




a cluster = an entity = a prism

<div>P1</div> <div>VIAF Virtual International Authority File</div>	
title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201

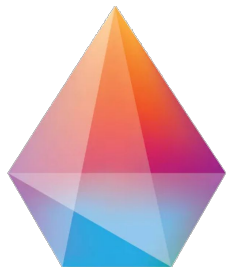
<div>P2</div> <div> WIKIDATA</div>	
title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201


<div>P3</div> <div></div>		
sameAs	http://dbpedia.org/resource/Alice%27s_Adventures_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

<div>P5</div> <div> WorldCat[®] Entities</div>	
title	Alice's adventures under ground
titleAlternative	Journeys in Wonderland
author	https://svde.org/people/201

<div>P4</div> <div>(BnF Data)</div>	
title	Alice in wonderland

Properties: Attributes, Relationships, Links





Name	Value	Provenance
title	Alice in wonderland	 LIBRARY <small>LIBRARY OF CONGRESS</small> 
titleAlternative	Alice's adventures under ground	 LIBRARY <small>LIBRARY OF CONGRESS</small>
titleAlternative	Journeys in Wonderland	 National Library of Norway

An attribute is a data property, having a literal as value

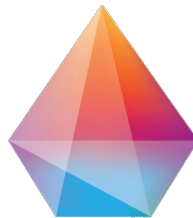
		
sameAs	http://dbpedia.org/resource/Alice&#39;s_Adventures_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

A link is a connection between a Share-VDE Prism and an external reference

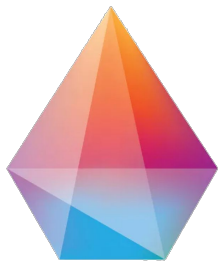
Name	Provenance
author	 LIBRARY <small>LIBRARY OF CONGRESS</small> 

Name	Value	Provenance
name	Carroll, Lewis	 LIBRARY <small>LIBRARY OF CONGRESS</small> 
nameAlternative	Dodgson, Charles Lutwidge	 LIBRARY <small>LIBRARY OF CONGRESS</small> 
nameAlternative	Karol, Luis	 National Library of Norway

A relationship is a connection between two Share-VDE Prisms



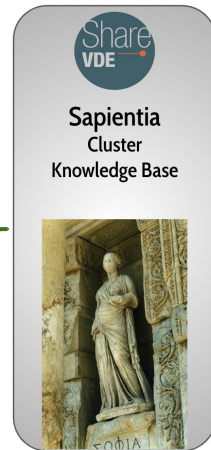
The prism: attributes & relationships



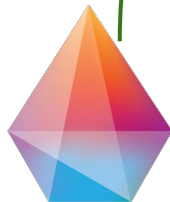
Name	Value	Provenance
title	Alice in wonderland	P1 P2 P3
titleAlternative	Alice's adventures under ground	P1 P2
titleAlternative	Journeys in Wonderland	P4

Share VDE		
sameAs	http://dbpedia.org/resource/Alice&#39;s_Adventure_s_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

Name	Provenance
author	P1 P2 P4



Name	Value	Provenance
name	Carroll, Lewis	P1 P2
nameAlternative	Dodgson, Charles Lutwidge	P1 P2
nameAlternative	Karol, Luis	P5 P3



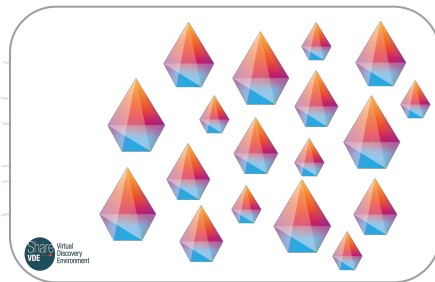
Tenants and Provenances

Share-VDE manages a Knowledge Base which consists of clustered, integrated and enriched entities

In Share-VDE, a **tenant** is represented by a **set of institutions** contributing to the **same Knowledge base**



Share-VDE Knowledge Base (Sapientia)



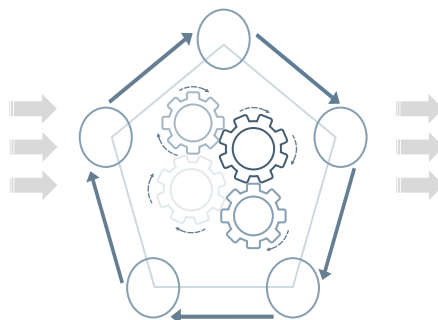
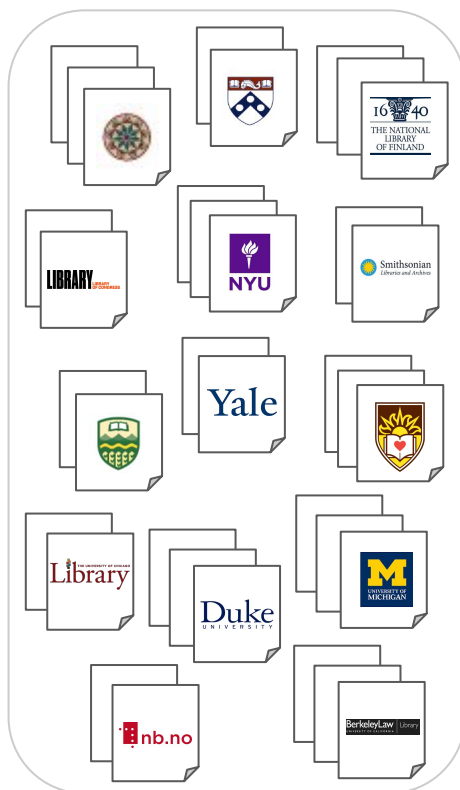
An **institution** within a tenant is called **provenance**.

We use that term because we want to **retain** the relationship between **Share-VDE entities** and data that originally **contributed** to them.

Sapientia: Genesis



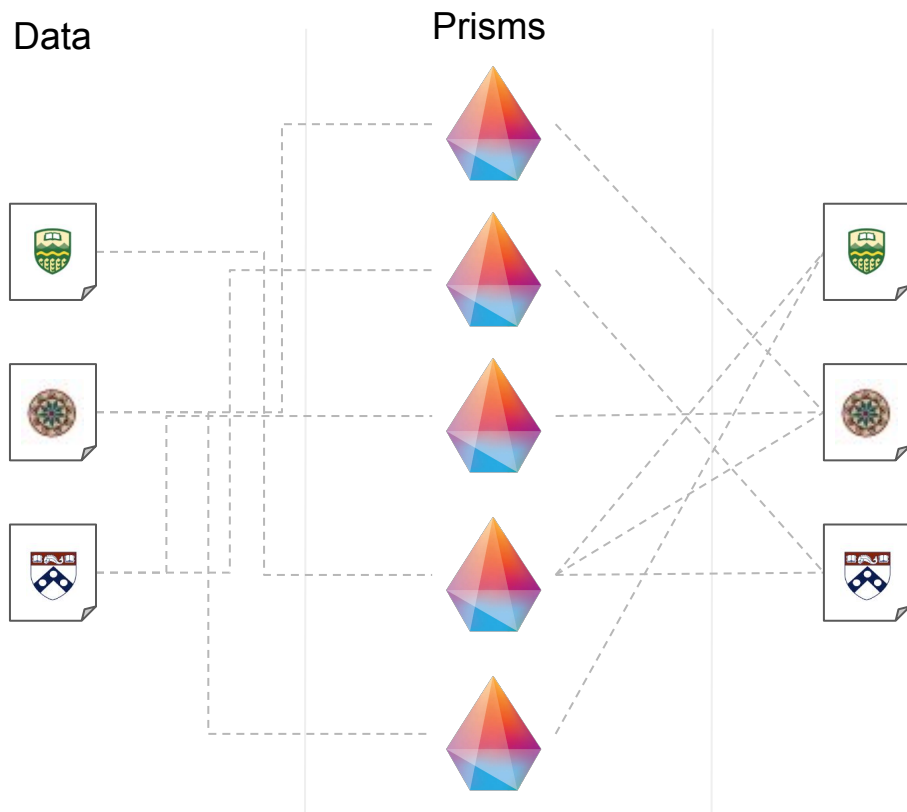
Data



Cluster Knowledge Base (Sapientia)



Record-Level Provenance

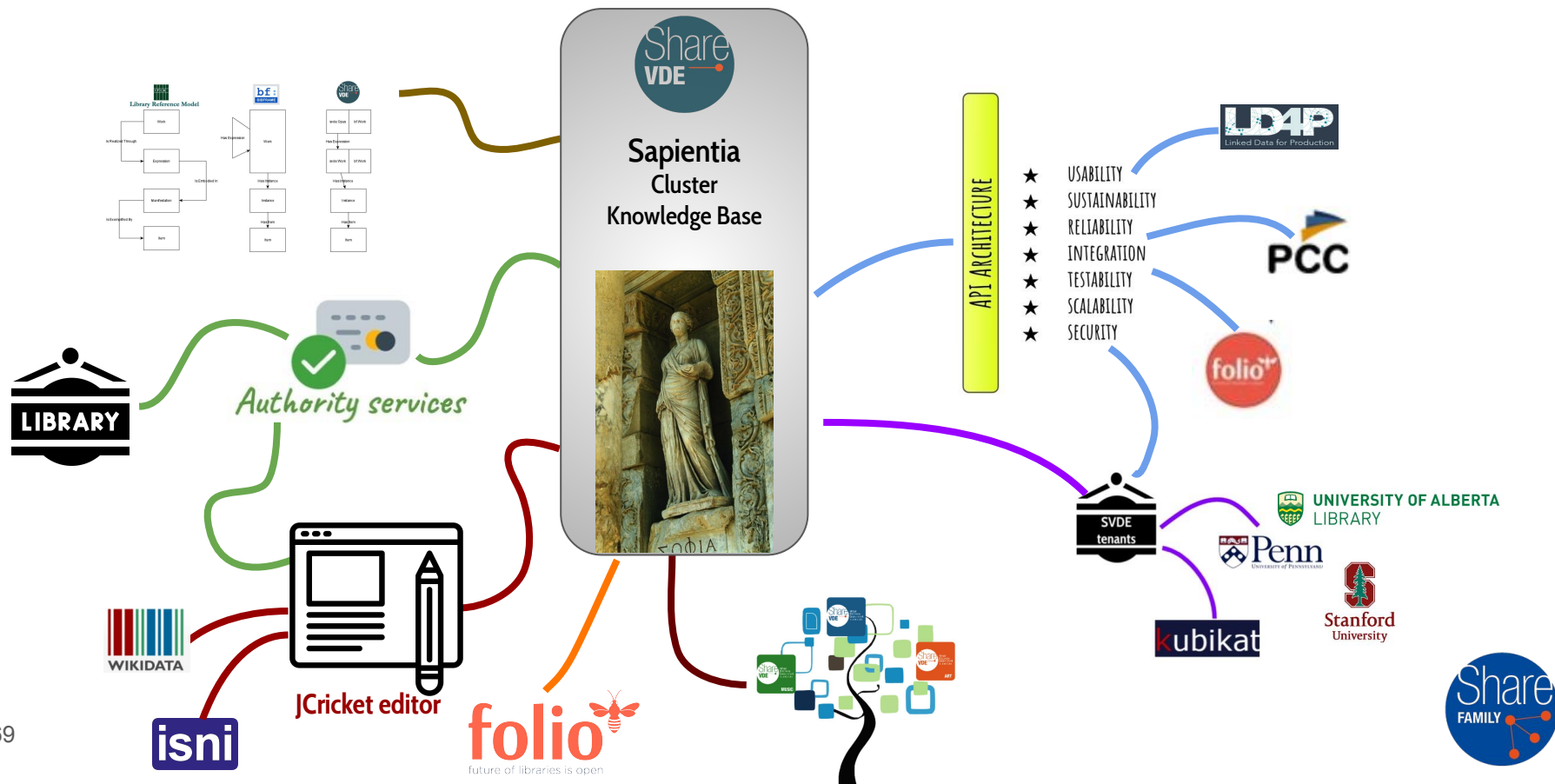


Each record coming from a **provenance** **contributes** in **building/enriching** one or more **Share-VDE entities**.

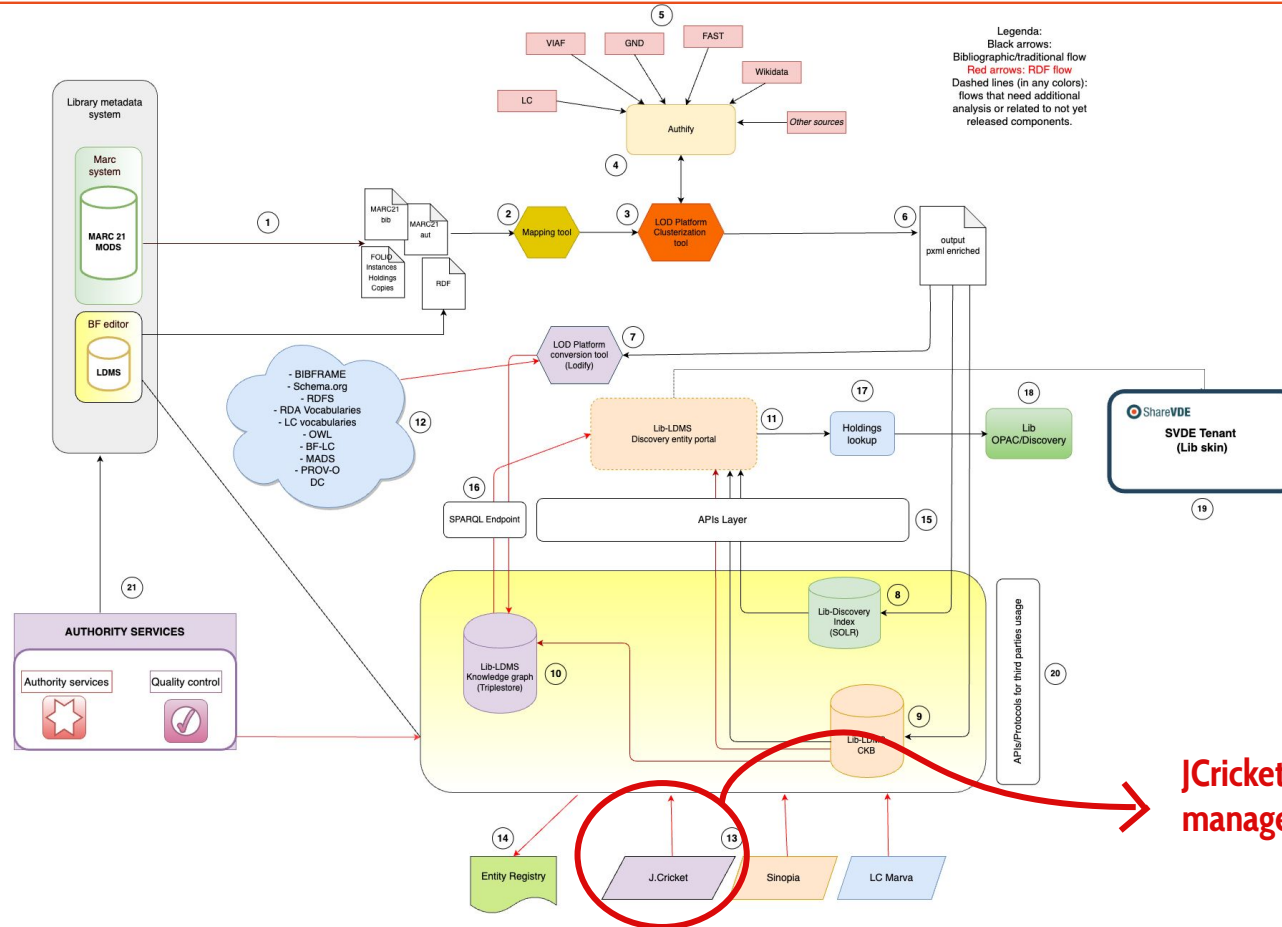
A Share-VDE entity can be seen as a **prism** where each **face** represents **data** coming from a given **provenance**

Each Share-VDE cluster maintains a **link** to the **records** it **originated from**

Towards the Share-VDE Sapiientia CKB ecosystem



The data flow - The entity management system



JCricket Editor - The Entity Management System

JCricket is an entity editor that carries out the transition from Marc to a real Entity Management System.

JCricket acts on the entity database (CKB) created through Entity Resolution and clustering processes

"The more the merrier" it's a perfect vision in a collaborative community. But each library has also local needs: the architecture of JCricket allows to operate locally or centrally, creating a collaborative group that does not forget local specificities.

The screenshot displays the JCricket Editor interface. The top panel, titled 'Share-VDE', shows a search bar and a notification: 'Manual review needed - This cluster was automatically created and is likely in need of manual review'. Below this is a profile for 'Isaiah Thomas' with a placeholder image. The 'Cluster metadata' section contains a table with columns: Source, ID, Name, Born, Died, Confidence. The table lists three entries for 'Isaiah Thomas' from sources OCLC, VIAF, and Wikidata. The 'Connected external IDs' panel shows a search bar and a list of external IDs for 'Isaiah Thomas' from Wikidata, including 'Q136030' and 'Q136030'. A 'Connect to this ID' button is visible at the bottom of the panel.

Source	ID	Name	Born	Died	Confidence
OCLC	U2 2432261	Isaiah Thomas	1989		Manually added
VIAF	U2 1568409	Isaiah Thomas	1989		Automatic
Wikidata	U2 0925663	Isaiah Thomas	1989		Automatic

APPLICATION

JCricket Editor

- Collaborative tool for manually updating and modifying linked data entities

Next generation cataloguing

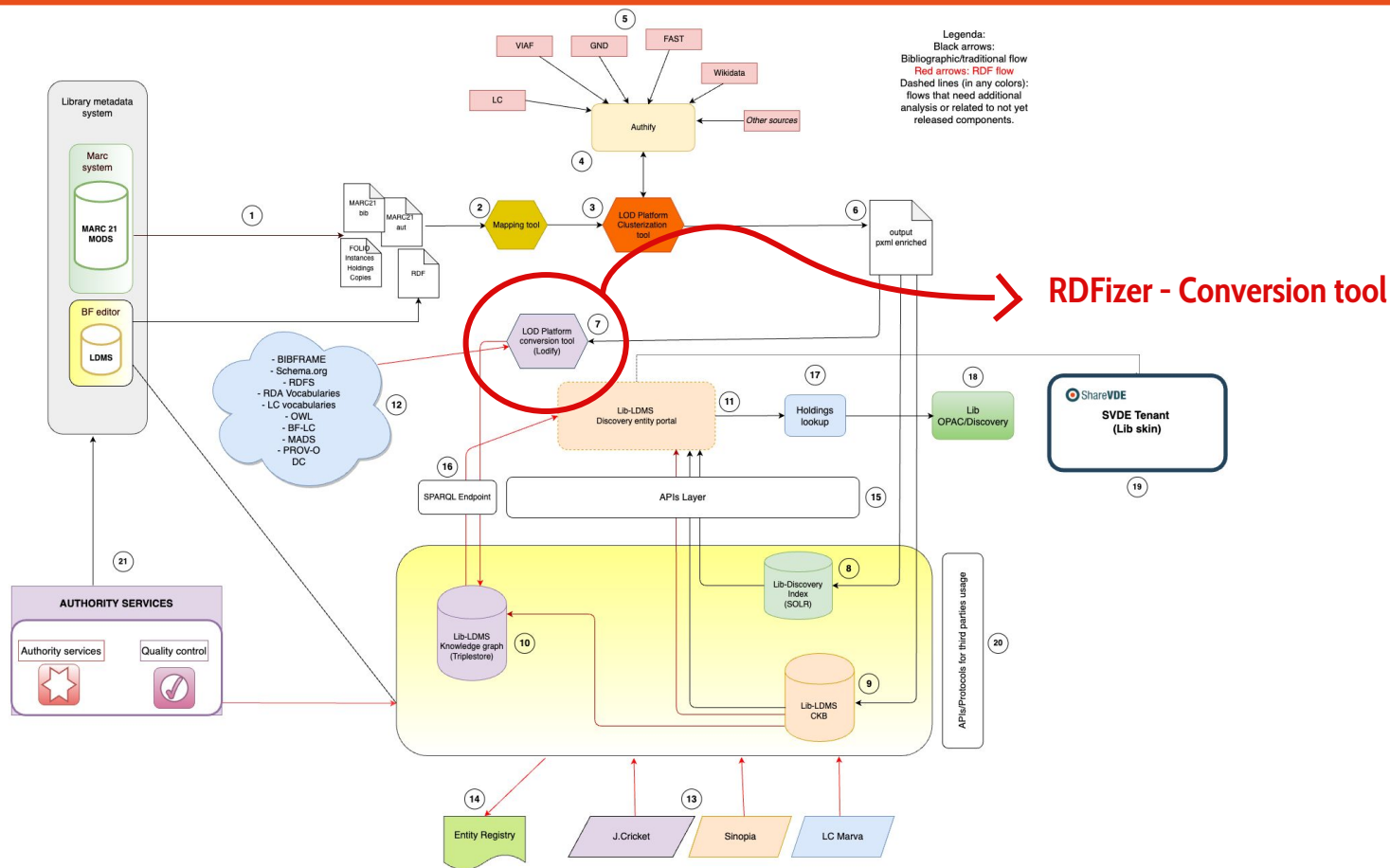
The JCricket editor is an example of how the Share family of initiatives is pursuing a new way of managing library cataloguing in a cooperative way:

- aggregation of data from multiple sources
- managed through standard protocols (linked data)
- in a collaborative and integrated environment
- that makes available open data and resources
- to end users and professionals (researchers, scholars etc.)
- for reuse in the library community and beyond

JCricket 1.1.0: Features Recap

- **AAA:** Authentication + Authorization + Auditing
- **Cluster Status API**
- **Edit Cluster**
 - real time notifications (through GraphQL subscriptions) about cluster property changes
- **Merge:** C1, C2, C3 => ~~C1~~, ~~C2~~, C3
 - Multiple phases: create the merge list, edit the merge list, edit clusters, request for review, approve (or deny the merge)
- **Split (Cluster):** C1 => C1, C2
 - C2 could even be a new cluster
 - Multiple phases: create the split-set, edit the split-set, edit clusters, request for review, approve (or deny the merge)
- **Dictionary API:** What are the available cluster types? Which attributes belong to a cluster type? Which relationships? Given an attribute, which is its cardinality? Is it mandatory or not?
- **Data changes synchronization across Share-VDE storages (e.g. RDF Store, Search Engine, RDBMS)**
- **Entity Event Log (aka cluster changes):** give me the history of changes of a given cluster
- **User notifications:** for managing the merge/split review lifecycle

The data flow - From record to entity: the RDFizer



Conversion pipeline - Today

```

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<controlfield tag="007">v<008>00801cam a2200241 4500<controlfield>
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```

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<subfield code="q">0127</subfield>
<subfield code="r">0127</subfield>
<subfield code="s">0127</subfield>
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<subfield code="x">0127</subfield>
<subfield code="y">0127</subfield>
<subfield code="z">0127</subfield>
</datafield>
    
```

MARC 21/CKB
mapping
(PCC Application
Profile)

MARC 21 Authority
records

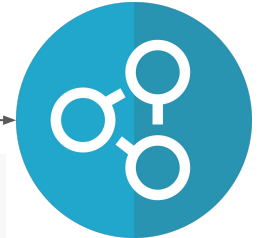
MARC 21 bib
records

MARC 21 records
enriched

RDFizer

N-quads output

Triplestore



Clusterization
tool

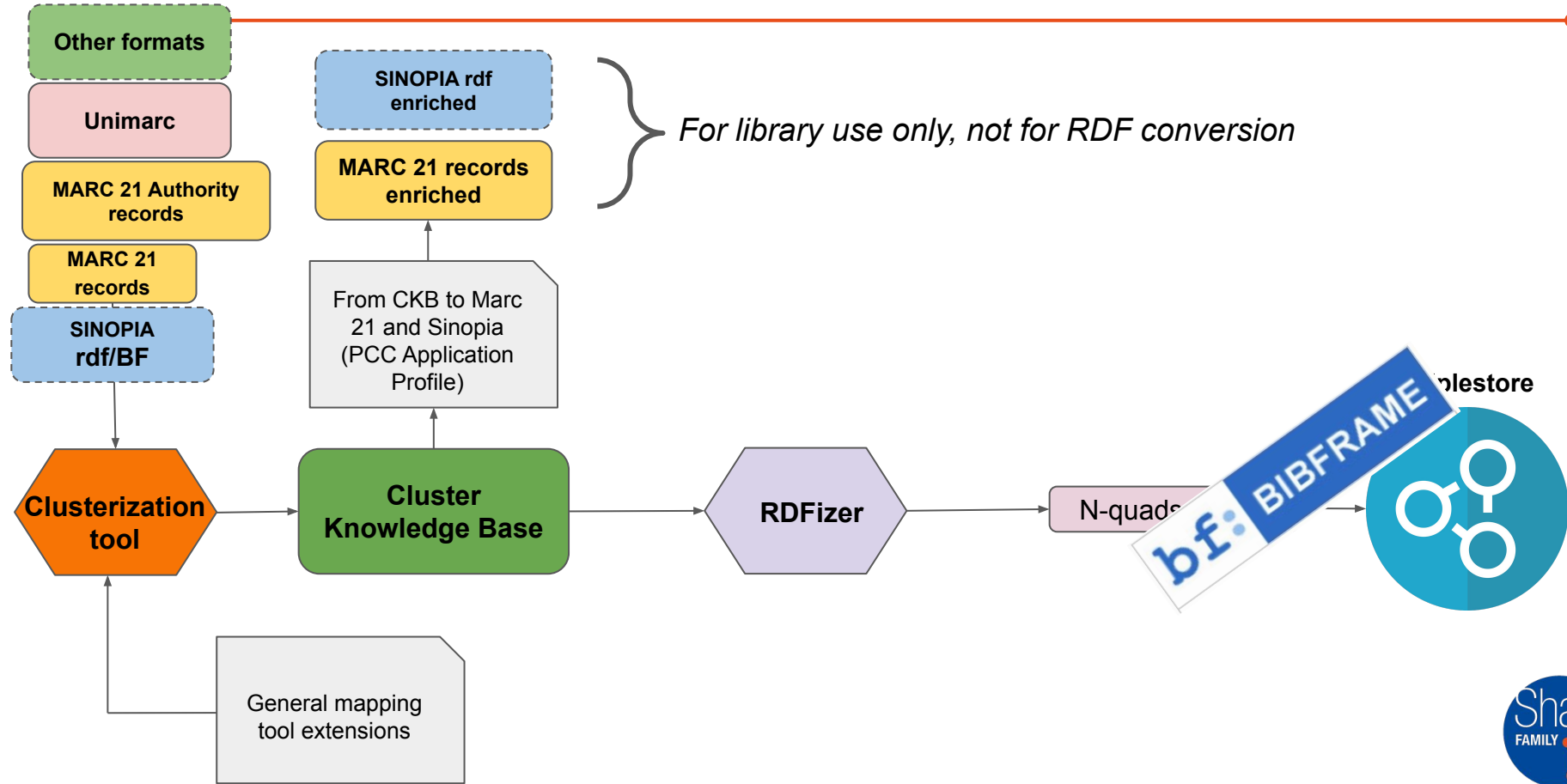
Cluster
Knowledge Base

cluster_id	v1	v2	v3	v4	v5
1621548864046	encoding:and	out	Full not examined	UPENN	
1621548864046	recordstatus	out	Corrected or revised	UPENN	
4164542039168	author	eng	Flores, Miquel (Spain)	SYSTEM	
971645426416336	name:alternative	und	Hawkes, Jorge	LOC	
971645426416336	birthdate	eng	1932	LOC	
1164542039168	label	nob	Text	SYSTEM	
1621548864046	systemControlNumber	out	000000000000000000	UPENN	
1621548864046	label	nob	Text	SYSTEM	
4164542039168	author	eng	MacDonald (Spain)	SYSTEM	
971645426416336	name:alternative	und	Echevarria, Jose	NLF	
971645426416336	birthdate	eng	1916	LOC	
297164542039168	id	2	1541648864046	UPENN	
971645426416336	337	337	69164542039168	LOC	
4164542039168	author	eng	Magallon (Spain)	SYSTEM	
4164542039168	author	eng	Macri (Spain)	SYSTEM	
4164542039168	author	eng	Macri (Spain)	SYSTEM	
1621548864046	systemControlNumber	out	000000000000000000	UPENN	
1621548864046	name:Title	out	Un libro en Egipto	UPENN	
971645426416336	name	und	Echevarria, Jose	LOC	
971645426416336	name	und	Echevarria, Jose	LOC	

```

<http://id.loc.gov/vocabulary/mstatus/c> <http://www.w3.org/2000/01/rdf-
schema#label> "changed" <https://svde.org/agents/UPENN> .
<https://svde.org/AdminMetadata/upenn9916551383503681>
<http://id.loc.gov/ontologies/bfrc/encodingLevel> <http://id.loc.gov/vocabulary/menclv/f>
<https://svde.org/agents/UPENN> .
<http://id.loc.gov/vocabulary/menclv/f> <http://www.w3.org/1999/02/22-rdf-syntax-
ns#type> <http://id.loc.gov/ontologies/bfrc/EncodingLevel>
<https://svde.org/agents/UPENN> .
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<https://svde.org/AdminMetadata/upenn9916551383503681>
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<http://id.loc.gov/vocabulary/descriptionConventions/aacr>
<https://svde.org/agents/UPENN> .
<http://id.loc.gov/vocabulary/descriptionConventions/aacr>
<http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
<http://id.loc.gov/ontologies/bfrc/DescriptionConventions>
<https://svde.org/agents/UPENN> .
<http://id.loc.gov/vocabulary/descriptionConventions/aacr>
<http://id.loc.gov/ontologies/bfrc/frame/identifiedBy>
<https://svde.org/UPENN9916551383503681_Loc_001/83d25d24-2db9-4d7a-868e-
8d7d11827a4b> <https://svde.org/agents/UPENN> .
<https://svde.org/UPENN9916551383503681_Loc_001/83d25d24-2db9-4d7a-868e-
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```

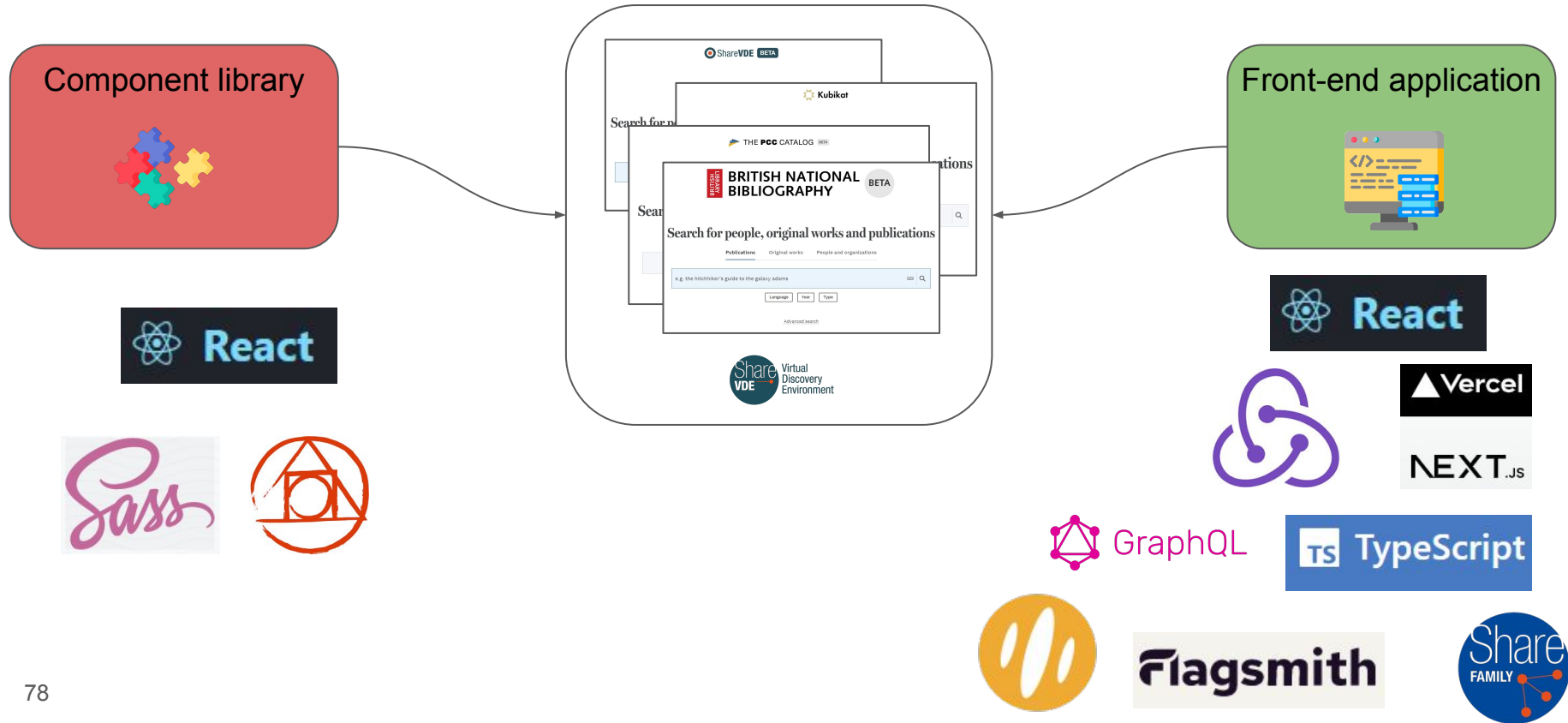
Conversion pipeline - Tomorrow



The Technology Stack (back-end)



The Technology Stack (front-end)



Share-VDE: Infrastructure



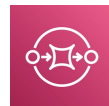
Amazon EC2



Amazon Relational Database
Service (Amazon RDS)



AWS Lambda



Amazon Simple Queue
Service (Amazon SQS)



Amazon EMR



Amazon Keyspaces
(for Apache Cassandra)



 CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web CoaxialLibri Authority Services Web

-
- CoaxialLibri Authority Services Web

Cooperation & Interoperability

Cooperation and interoperability are key to Share technology: the use and the reuse of data, tools, ideas maximizes results and minimizes efforts

SERVICE

Integration with Other Systems

- Development of APIs for interoperability and cooperation with local LSPs and third parties (including FOLIO, Wikidata, LD4P - Linked Data for Production)

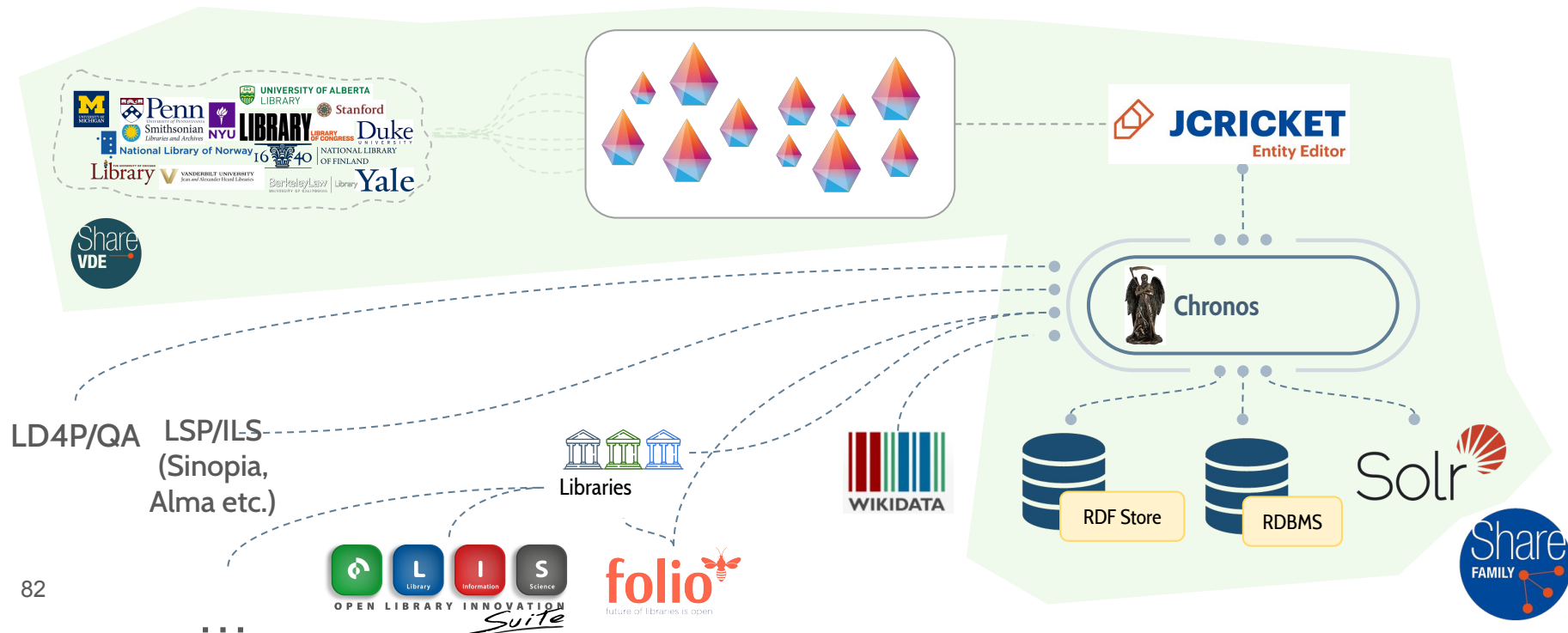
Tools and protocols are being set-up for third parties' usage and data harvesting, including OAI-PMH, Atom feeds and Activity stream

Third party integration - Outbound Connectors Architecture


Data flows into Share-VDE from libraries, institutions and third-party sources (e.g. VIAF, ISNI, FAST)


The Share-VDE knowledge base (**Sapientia**) contains the integrated/clustered/enriched entities.


Data is mainly edited through JCricket, the Share-VDE entity editor.



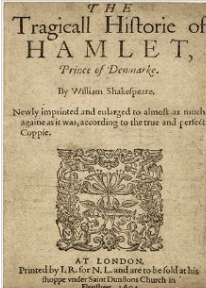
Integration with local services - circulation info



 Penn Libraries Catalog

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* (/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](#)

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

Title	Person name	Language	Location	Availability	
 Hamlet: Second quarto	 Michael Heppell	English	Penn	Available online	
 Hamlet. A new version [by] Rouben Mamoulian	 Mike McClement	English	Penn	Available online	

Integration with local services, e.g. connection to Alma APIs for [University of Pennsylvania circulation services](#)



Integration with local services - lending

The screenshot displays the Penn Libraries Catalog website. A modal window is open for the item 'Hamlet: Second quarto'. The modal contains the following information:

- Item**
- Hamlet: Second quarto**
- Physical book by William Shakespeare. Published by Penguin in 1997.**
- Copy no. 1231·2415·3489 · Shelving location: Van Pelt > M1503.S44 H33 1971 · Notes about this item: "Some marginal ms. notes in pencil. Athenaeum copy; Hopkinson library; Uzzell gift, 1987."**

Below the item information, there are three radio button options:

- ☒ Place a hold on this physical item
- ☐ Scan a chapter and send it to my email
- ☐ Place on course reserve

At the bottom of the modal, there are two buttons: 'Cancel' and 'Place hold on item'.

In the background, the catalog interface is visible, showing a search bar, a user profile 'Jane Doe', and a list of results. The first result is 'Hamlet: Second quarto' by Michael Heppell, published in English, located in Penn, and available online.

SINOPIA integration: high-level milestones

- ✓ set-up the connector to fetch data from Sinopia
- ✓ ingested subset of Sinopia data from Stanford
- ✓ created the parser so that RDF data coming from Sinopia can be clustered by Share-VDE processes
- 🚧 begin testing phase
- 🎯 at the end of this process, Sinopia data will be included in the Share-VDE CKB - Cluster Knowledge Base and edited through JCricket

See a possible model for ILS/LSP interaction through FOLIO

Level 1: Instance correlation

- Folio inventory instances are retained in dedicated faces of Share-VDE prisms
- The inbound connector receives FOLIO data (instances) and feeds the Cluster Knowledge Base (CKB)
- The outbound connector communicates back data changes to FOLIO

Level 2a: Agents (and works) correlation

- Same interaction as above, but using authority records (agents, works), instead.

Level 2b: JCricket UI App in FOLIO

- Using the FOLIO built-in “pluggable” nature, the FOLIO UI SDK and the Share-VDE (GraphQL) API

Triple store publication - an open query endpoint

SVDE data are open, and usable through an open endpoint to retrieve them in RDF format through SPARQL queries

SERVICE

Triple Store Indexing

- Linked data descriptions are published on a triple store and can be queried through SPARQL endpoint

```
<http://id.loc.gov/vocabulary/mstatus/c> <http://www.w3.org/2000/01/rdf-schema#label> "changed" <https://svde.org/agents/UPENN> .  
<https://svde.org/AdminMetadata/upenn9916551383503681>  
<http://id.loc.gov/ontologies/bflc/encodingLevel> <http://id.loc.gov/vocabulary/menclvl/f>  
<https://svde.org/agents/UPENN> .  
<http://id.loc.gov/vocabulary/menclvl/f> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type> <http://id.loc.gov/ontologies/bflc/EncodingLevel>  
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<http://id.loc.gov/ontologies/bibframe/DescriptionConventions>  
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<https://svde.org/UPENN9916551383503681_Local_001/83d25d24-2db9-4d7a-868e-8d7d11827a4b> <https://svde.org/agents/UPENN> .  
<https://svde.org/UPENN9916551383503681_Local_001/83d25d24-2db9-4d7a-868e-8d7d11827a4b> <http://www.w3.org/1999/02/22-rdf-syntax-ns#type>
```

The core of SVDE integrated catalogue, ie. the Cluster Knowledge Base of linked data entities created from SVDE institutions' data, is published on a public query interface



Advanced API layer - Easily use our data!

SVDE 2.0 back-end infrastructure leverages an advanced API layer orchestrating queries to SVDE data from the web discovery portal and from machine to machine applications

The API layer is designed to respond to the increasingly complex search logic, the update to the entity model and the enhancement to the Cluster Knowledge Base

- Two API protocols: GraphQL API and REST API
- All Share-VDE entities are exposed through (read-only) API
- Search API provide several shapes / context behaviour (e.g. simple, advanced search, partial or full match, exact matches suggestions, terms modifiers, results explanation)
- Three query languages: TermsQL, SVDEQL, StructQL

TECHNOLOGY

Advanced API layer

- Advanced search API layer supporting the Entity Discovery Portals and machine-to-machine interaction for Share Family data retrieval



Tenant infrastructure - Community and autonomy

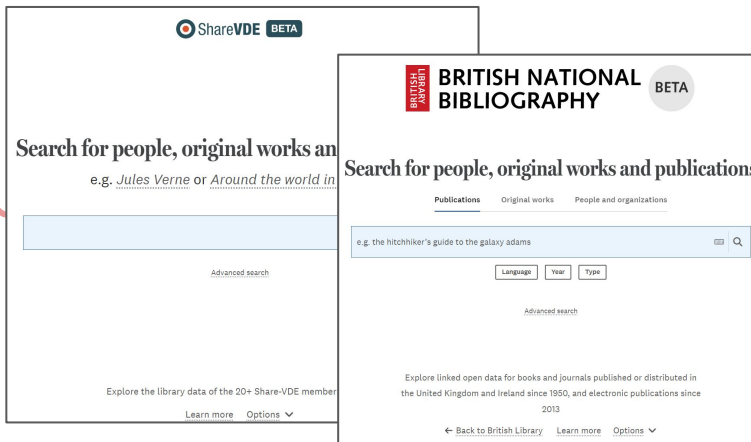
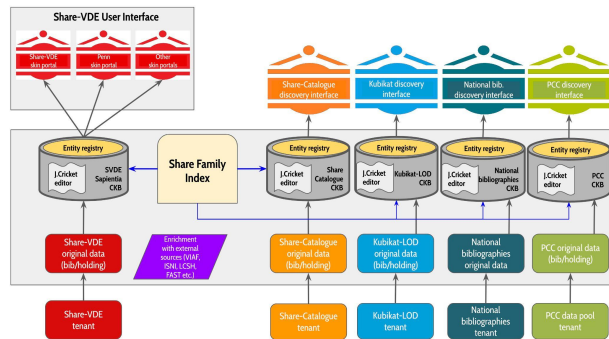
TECHNOLOGY

Tenant infrastructure

- Data of member libraries are grouped by domain or similar characteristics in ad hoc tenants
- Suitable for library consortia willing to renovate their union catalogue

The Share Family community includes different branches and sister projects, supported by the same technology. Each branch is hosted in a specific tenant of the system, ie. a group of institutions contributing to the same data pool.

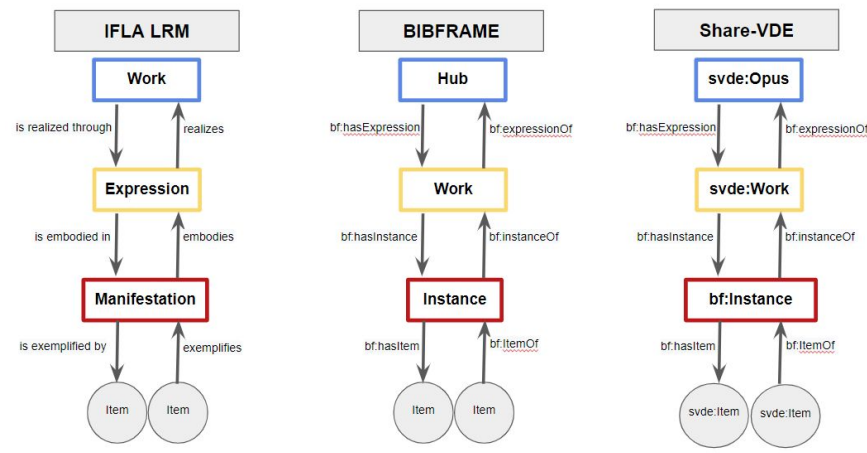
This structure ensures autonomy of approach to data management for each tenant, but also cooperation, because all tenants are connected as part of the same “family”, and long term sustainability.



Interoperable entity model

The approach to the SVDE entity model is to make it as much interoperable as possible, to facilitate data exchange with other systems.

It is based on BIBFRAME ontology, with ad hoc extensions to support interaction with IFLA LRM-based models.



TECHNOLOGY

Advanced entity model

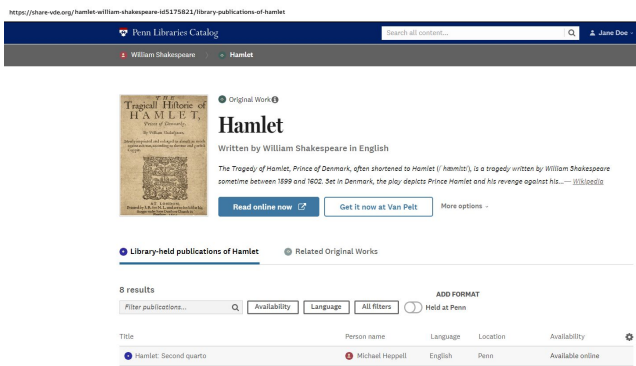
- Advanced 4-layered entity model, based on BIBFRAME 2.0 and interoperable with multiple schemes (BIBFRAME, IFLA-LRM etc.)

Share Family entity discovery environments

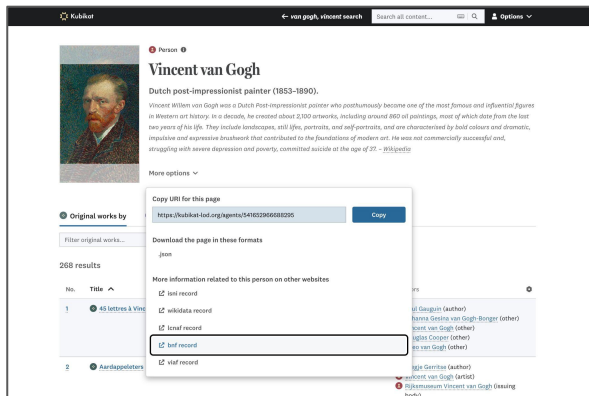


Entity Discovery Portal

SVDE 2.0 is supported by entity-based presentation layer reflecting BIBFRAME and the ad hoc SVDE extensions. The user experience is highly improved, hiding complexity to the end users



Each library can choose its own skin, to present a personalized image of its profile and its services, extending the functionality of the Portal from the shared environment to the local context



APPLICATION

Discovery Portal 2.0

- Advanced entity discovery system based on BIBFRAME
- Customised UI (skin)
- Integration with local APIs
- Site mapping with additional meta-tagging
- Data conversion to Schema.org



Share-VDE 2.0 Entity Discovery

The screenshot displays the Share-VDE 2.0 Entity Discovery interface. At the top, there is a navigation bar with the text "SHARE-VDE" on the left, a search bar containing "← 'william shakespeare' search" and "Search all content...", and a "Log in" button on the right. Below the navigation bar, the main content area shows a search result for "William Shakespeare". On the left is a portrait of Shakespeare. To the right of the portrait, the text "Person" is followed by a plus icon and a person icon. The name "William Shakespeare" is displayed in a large, bold font. Below the name, a summary states: "English playwright and poet (1564-1616). Born in 1564. Died in 1616." A paragraph of text follows, describing Shakespeare as an English playwright, poet, and actor, widely regarded as the greatest writer in the English language and the world's greatest dramatist. It mentions his 39 plays, 154 sonnets, three long narrative poems, and a few other verses, some of uncertain authorship. It also notes that his works have been translated into every major living language and are performed more often than those of any other playwright. The text ends with a link to Wikipedia. Below the text is a "More options" button with a downward arrow. At the bottom of the main content area, there are two tabs: "Original works" (selected) and "Publications". Below the tabs are two buttons: "Contributor" and "Genre". Below these buttons, it says "30 results". A "Sort by (A - Z)" dropdown menu is visible. The first result is "(The) tempest" with a plus icon and a person icon. Below the title, it says "Contributors: William Shakespeare (autore)". The second result is "Lacy's acting edition of plays, dramas, extravaganzas, farces, etc., etc., as performed at the various theatres (Drama)" with a plus icon and a person icon. Below the title, it says "Contributors: George Daniel (altro); Thomas Hailes Lacy (altro); William Shakespeare (altro)".

Launched in September 2021 (beta version)

A complex system with entity-based presentation layer, reflecting BIBFRAME and the ad hoc SVDE extensions


Improved user experience

Back-end infrastructure based on APIs

Initial list of the main features (we are going to see them live)

<https://www.svde.org/about/release-log>


Entity Discovery: data enrichment from external sources

 Kubikat

← leonardo da vinci search

Search all content...

Options



Person

Leonardo da Vinci

Italian Renaissance polymath (1452-1519).

Leonardo di ser Piero da Vinci was an Italian polymath of the High Renaissance who was active as a painter, draughtsman, engineer, scientist, theorist, sculptor, and architect. While his fame initially rested on his achievements as a painter, he also became known for his notebooks, in which he made drawings and notes on a variety of subjects, including anatomy, astronomy, botany, cartography, painting, and paleontology. Leonardo's genius epitomized the Renaissance humanist ideal, and his collective works compose a contribution to later generations of artists matched only by that of his younger contemporary, Michelangelo. – Wikipedia

More options

Original works by

Publications by

Original works about

Filter original works...

3,505 results

No.	Title ^	Year	Genre	Creators
1	1478, a year in Leonardo da Vinci's career			Edoardo Villata (author)
2	1499			Luisa Cogliati Arano (author)
3	1519-2019 - La ville d'Amboise et son château royal au cœur d'un grand anniversaire			Jean-Louis Sureau (author) Christian Guyon (author)
4	1519. La mort de Léonard			Leonardo da Vinci (artist) Gennaro Toscano (editor) Xavier Lacaille (editor) Schloss Amboise (host institution)

Entity Discovery: data enrichment from external sources



Volume 1

Inferno

First part of Dante's Divine Comedy. 1314 fiction.

Inferno is the first part of Italian writer Dante Alighieri's 14th-century epic poem *Divine Comedy*. It is followed by *Purgatorio* and *Paradiso*. The *Inferno* describes Dante's journey through Hell, guided by the ancient Roman poet Virgil. In the poem, Hell is depicted as nine concentric circles of torment located within the Earth; it is the "realm ... of those who have rejected spiritual values by yielding to bestial appetites or violence, or by perverting their human intellect to fraud or malice against their fellowmen". - Wikipedia

This is part of the series [Penguin epics](#), [Norton critical edition](#), [Penguin classics](#), and [Hesperus poetry](#).

More options ▾

Library-held publications of this

Related agents

Filter publications...



Publication year

Publication place

49 results

Title

Language

Publication year

Format

Contributors



The inferno

English

2015

Stefano Albertini (editor)

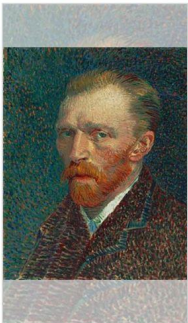
Entity Discovery: data enrichment from external sources

Kubikat

← van gogh, vincent search

Search all content...

Options



Person

Vincent van Gogh

Dutch post-impressionist painter (1853–1890).

Vincent Willem van Gogh was a Dutch Post-Impressionist painter who posthumously became one of the most famous and influential figures in Western art history. In a decade, he created about 2,100 artworks, including around 860 oil paintings, most of which date from the last two years of his life. They include landscapes, still lifes, portraits, and self-portraits, and are characterised by bold colours and dramatic, impulsive and expressive brushwork that contributed to the foundations of modern art. He was not commercially successful and, struggling with severe depression and poverty, committed suicide at the age of 37. – Wikipedia

More options

Original works by

Filter original works...

268 results

No.	Title
1	45 lettres à Vinc
2	Aardappeleters

Copy URI for this page

<https://kubikat-lod.org/agents/541652966688295>

Copy

Download the page in these formats

[.json](#)

More information related to this person on other websites

[Isni record](#)

[wikidata record](#)

[Icnaf record](#)

[bnf record](#)

[viaf record](#)

ul Gauguin (author)

hanna Gesina van Gogh-Bonger (other)

vincent van Gogh (other)

uglas Cooper (other)

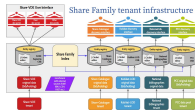
eo van Gogh (other)

eggie Gerritse (author)

vincent van Gogh (artist)

Rijksmuseum Vincent van Gogh (issuing body)

Some of the main features



LOD Platform Entity Discovery portal overview



Instance as entity (aggregation of SVDE institutions' data in a shared Instance, with link to resource in the local OPACs)



Default simple search configuration (plain simple search vs. "OPAC like" search on publications)



Skin portals supporting features specific to the individual skin (e.g. the [British National Bibliography skin](#) within the [Natbib-LOD tenant](#))



Initial version of **Subject management**, including various subject schemes (e.g. National Library of Finland subjects) linked subject strings and the display of concepts



Guiding principles

- Present complex data aggregated from different sources and translated into linked data in a simple way (e.g. Google-like search);
- design focus: provide intuitive access to complex data and make BIBFRAME easy to benefit from;
- the actual use of the discovery unveils issues that cannot be predicted in advance
→ (a lot of) practice should be combined with theoretical models;
- mutual input among SVDE working groups: e.g. SEI group defining the treatment of data impacts the presentation layer of the data on the web discovery portal.

Some of the challenges

Ensure smooth user experience AND model interoperability

- svde:Opus was chosen as highest level of abstraction
- end users should understand easily what content and data are represented by an Opus and the resources that embody it

Strive to present data typically used by machines in a way that benefits also humans

- the SVDE UX group opted not to render the expression layer on the discovery interface
- so, this data are presented in the Publication layer of the discovery

Find a compromise to satisfy professional and generic users

- language and labels of the discovery portal are not pure “library language”: Original Work = svde:Opus which is equivalent to the RDA Work (mostly). Publication is equivalent to the bf:Instance (RDA manifestation) and may list multiple expressions of the work. You can filter by various expression aspects in the filters
- this stems from the analysis by SVDE members and UX designers: we wanted to use labels that can be understood by non-expert users



Simple search #2

The screenshot shows a search interface for 'virginia woolf'. At the top, there are tabs for 'All results (3.5K)', 'People and organizations (693)', and 'Original works (2.8K)'. Below the tabs, there are filter buttons: 'Start year', 'End year', 'Location', and 'Type', which are circled in red. To the right of these buttons is a 'Sort by: Name, A-Z ^' dropdown menu. The menu is open, showing three options: 'Sort by: Name, A-Z' (selected with a blue circle), 'Sort by: Name, Z-A', and 'Sort by: Relevance'. Below the filters, the text 'Results for virginia or woolf' is displayed. The first result is 'Elizabeth Abel', a person born in 1945, with a description 'Created an original work titled *Virginia Woolf and the fictions of psychoanalysis*', which is circled in red. The second result is 'Michael Adams', a person born in 1947, with a description 'Created an original work titled *Edward Albee's Who's afraid of Virginia Woolf?*'. The third result is 'Elina Aho-Pirnes', a person, with a description 'Created an original work titled *Feminine ways of being in Virginia Woolf's novel To the Lighthouse*'.

- filters available on both People and organisations and Original works tabs

- sorting People and organisations tab by alphabetical order we see other results that apparently are not related with the search
→ explanation of results under the headline

Entity page - Agent

Person 1

Virginia Woolf

English modernist writer. Born in 1882 in London (England). Died in 1941 in Ouse, River (East Sussex, England).

Adeline Virginia Woolf was an English writer, considered one of the most important modernist 20th-century authors and a pioneer in the use of stream of consciousness as a narrative device. – Wikipedia

More options ▾

Original works by Publications by Original works about

Filter original works... Q Year Creator Genre

420 results

Sort by (A - Z) ▾

1 Common reader, Second series (Essays/Fiction)

Creators:

- Hogarth Press (other)
- English Culture Class Collection (University of Pennsylvania) (other)
- Culture Class Collection (University of Pennsylvania) (other)
- Sallie Bingham Center for Women's History and Culture (other)
- Gotham Book Mart Collection (University of Pennsylvania) (other)
- Virginia Woolf (author)
- Vanessa Bell (other)
- Andrew McNeillie (other)
- Andrew McNeillie (other)

2 Songs, Selections (Autobiographies/Ballads/Cantatas/Concertos/Dance music/Dictionaries/Drama/Far (Music)/Operas/Part songs/Revues/Sonatas/Song cycles/Songs/Video recordings/Waltzes (Music)/Poel

Toggle visible columns

- ☒ No.
- ☒ Title
- ☐ Also known as
- ☒ Year
- ☒ Genre
- ☒ Creators
- ☐ VIAF ID
- ☐ Identifier

Reset Done

Agent page for Virginia Woolf

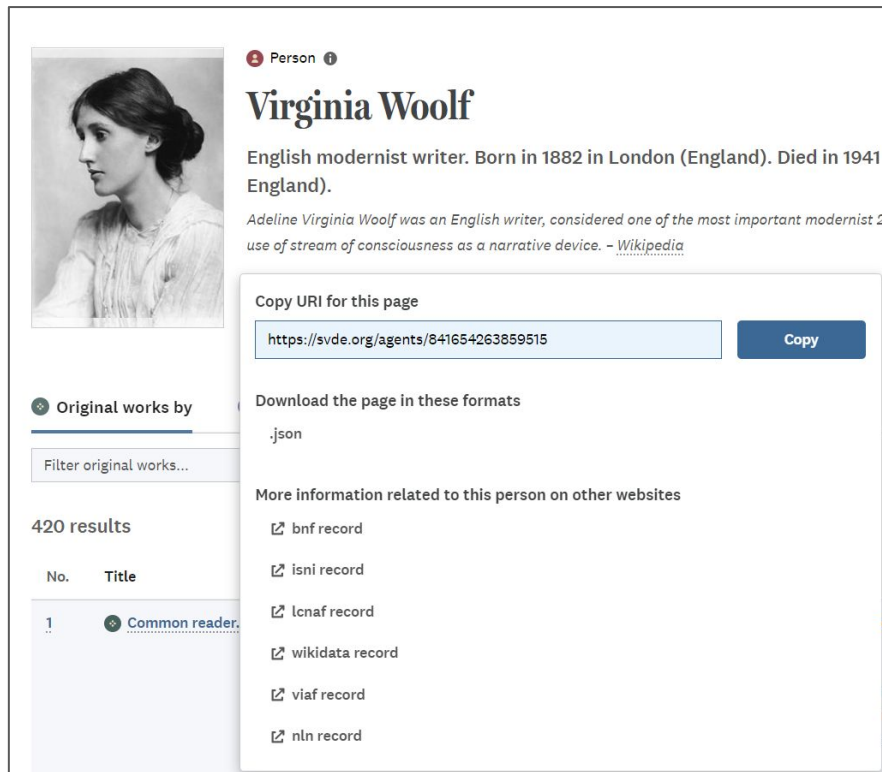
- aggregation of all the info about the author: her works, publications derived from those works, works about the author

- the system pulls in author data from Wikipedia, localised in the language selected for the interface

- additional info can be toggled and record descriptions change dynamically

<https://www.svde.org/virginia-woolf-a841654263859515/original-works-by>

Entity page - Agent



The screenshot shows the entity page for Virginia Woolf. At the top left is a portrait of her. To the right, the name "Virginia Woolf" is displayed with a "Person" icon. Below the name is a brief biography: "English modernist writer. Born in 1882 in London (England). Died in 1941 (England)." and a quote from Wikipedia: "Adeline Virginia Woolf was an English writer, considered one of the most important modernist 2 use of stream of consciousness as a narrative device. - Wikipedia".

Below the biography, there is a section titled "Original works by" with a search bar "Filter original works...". Below this, it says "420 results" and shows a table with columns "No." and "Title". The first row is "1" and "Common reader".

On the right side of the page, there is a "More options" button. A dropdown menu is open, showing the following options:

- Copy URI for this page: <https://svde.org/agents/841654263859515> (with a "Copy" button)
- Download the page in these formats: .json
- More information related to this person on other websites:
 - bnf record
 - isni record
 - lcnaf record
 - wikidata record
 - viaf record
 - nln record

More options button:

- SVDE URI for the entity
- Agent data representation in JSON
- link to IDs from external sources

Advanced search #1

The image displays three screenshots of the ShareVDE BETA search interface, illustrating the progression from a basic search to an advanced multi-criteria search.

Top Screenshot: Shows the initial search interface. A dropdown menu is open for "Search for...", listing options: "Agent of any type" (selected), "Person (e.g. Jules Verne or Marina Abramovic)", "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)", and "Publication (e.g. Around the world in 80 days, 3rd edition, 1906)".

Middle Screenshot: Shows the search interface with a dropdown menu open for "Search for a publication for which", listing options: "title", "contributor", "identifier", "barcode", "publication year", "format", "language", "subject", "ISBN/ISSN", "EAN/ISMN", and "note".

Bottom Screenshot: Shows the search interface with multiple criteria entered. The search criteria are: "title" (contains the words), "contributor" (is), "any agent" (in any role), and "in any role". The interface includes a "Search" button and a "Clear all" button.

Advanced search for all the entities fully implemented in the system:

- Agent, Original work, Publication

- search for Subjects will be added

- different search parameters can be combined

Advanced search #2

The screenshot shows the ShareVDE (Share Virtual Discovery Environment) interface. At the top, there's a search bar with the text "Search for a person for whom". Below it, there are two rows of search criteria. The first row has "name" selected, "contains the word:" operator, and "foster wallace" as the value. The second row has "death year" selected, "is in a range" operator, "from: 2005" and "to: 2009" as values. There are "Clear all" and "Search" buttons. Below the search bar, there's a section titled "Person results" with a sub-header "1 result". The result is for "David Foster Wallace (1962-2008)". It lists "Also known as: Foster Wallace, David Wallace, D. F.", "Birth place: 0", "Death place: 0", "Notes: 0", and "VIAF ID: 68975157". To the right of the result, there's a "Toggle visible columns" panel with checkboxes for "No.", "Name", "Also known as", "Birth year", "Death year", "Birth place", "Death place", "Occupation", "Notes", "VIAF ID", and "Identifier". The "VIAF ID" checkbox is checked. At the bottom, there's an "About Share-VDE" section with text about using BIBFRAME data.

ShareVDE BETA Options

Search for a person for whom

Simple search ^

name contains the word: foster wallace and

death year is in a range from: 2005 to: 2009 and

Clear all Search

Person results

1 result

Sort by (A - Z)

1 David Foster Wallace (1962-2008)

Also known as:
Foster Wallace, David
Wallace, D. F.
Birth place: 0
Death place: 0
Notes: 0
VIAF ID: 68975157

End of list

About Share-VDE

Share-VDE (Share Virtual Discovery Environment) uses BIBFRAME data to make it easy to explore the connections between authors, original works and publications held in libraries. Learn more

Toggle visible columns

- ☒ No.
- ☒ Name
- ☒ Also known as
- ☒ Birth year
- ☒ Death year
- ☒ Birth place
- ☒ Death place
- ☒ Occupation
- ☒ Notes
- ☒ VIAF ID
- ☐ Identifier

Reset Done

Advanced search for
[https://www.svde.org/advanced-search/agents?q=\(name+contains+foster+wallace\)+and+\(date_end+is_in_a_range+2007-2008\)](https://www.svde.org/advanced-search/agents?q=(name+contains+foster+wallace)+and+(date_end+is_in_a_range+2007-2008))

- toggle extra info e.g. VIAF ID, Also known as

Entity page - Original work (= svde:Opus)

ShareVDE BETA

← László Krasznahorkai search

Search all content...

Options

László Krasznahorkai > "Ellenállás melankóliája"

Volume 1

Ellenállás melankóliája

Fiction/novel written by [László Krasznahorkai](#).

Also known as: [Az ellenállás melankóliája](#); [Ellenállás melankóliája](#); [Ellenállás melankóliája](#); [Melancholy of resistance](#)

This is part of the series [New Directions paperback](#).

More options ▾

Publications of this

Related agents

Filter publications... Q

Publication year

Publication place

Contributor

Type

Language

11 results

Sort by (A – Z) ▾

1 • [The melancholy of resistance \(Volume in English, published in 2016.\)](#)

Contributors:

[Gotham Book Mart Collection \(University of Pennsylvania\)](#) (other)

[Tuskar Rock Press](#) (publisher)

[George Szirtes](#) (translator)

[László Krasznahorkai](#) (author)

2 • [The melancholy of resistance \(Volume in English, published in 1998.\)](#)

Contributors:

[Quartet Books](#) (publisher)

[Gotham Book Mart Collection \(University of Pennsylvania\)](#) (other)

[George Szirtes](#) (translator)

[László Krasznahorkai](#) (author)

Sort by (A – Z) ▾

5 • [Az ellenállás melankóliája \(Volume in Hungarian, published in 1989.\)](#)

Contributors:

[László Krasznahorkai](#) (author)

[Magvető Könyvkiadó](#) (publisher)

6 • [The melancholy of resistance \(Volume in English, published in 1998.\)](#)

Contributors:

[Quartet Books](#) (publisher)

[Gotham Book Mart Collection \(University of Pennsylvania\)](#) (other)

[George Szirtes](#) (translator)

[László Krasznahorkai](#) (author)

7 • [Motståndets melankoli \(Volume in Swedish, published in 2014.\)](#)

Contributors:

[Norstedts](#) (publisher)

[Daniel Gustafsson Pech](#) (translator)

[László Krasznahorkai](#) (author)

8 • [The melancholy of resistance \(Volume in English, published in 2016.\)](#)

Contributors:

[Gotham Book Mart Collection \(University of Pennsylvania\)](#) (other)

[Tuskar Rock Press](#) (publisher)

[George Szirtes](#) (translator)

[László Krasznahorkai](#) (author)

9 • [Melanholiija soprotivlenija : roman \(Volume in Russian, published in 2020.\)](#)

Contributors:

[Izdatel'stvo AST](#) (publisher)

[Vjatšeslav Sereda](#) (translator)

10 • [Az ellenállás melankóliája \(Volume in Hungarian, published in 1989.\)](#)

Contributors:

[László Krasznahorkai](#) (author)

[Magvető Könyvkiadó](#) (publisher)

11 • [The melancholy of resistance \(Volume in English, published in 2000.\)](#)

Contributors:

[New Directions](#) (publisher)

[Gotham Book Mart Collection \(University of Pennsylvania\)](#) (other)

[George Szirtes](#) (translator)

Entity page - Original work (= svde:Opus)

David Foster Wallace > "Infinite jest"

Infinite jest
1996 novel by David Foster Wallace.

Infinite Jest is a 1996 novel by American writer David Foster Wallace. Categorized as an encyclopedic novel, *Infinite Jest* is featured in *TIME* magazine's list of the 100 best English-language novels published between 1923 and 2005. - [Wikipedia](#)

More options ▾

Publications of this **Related agents**

Filter publications... 🔍 Publication year Format Publication place Contributor Language

11 results

Sort by (A - Z) ▾

1 **Infinite jest : a novel (Volume in English, published in 2016.)**
Contributors:
• Back Bay Books, Little, Brown and Company (publisher)
• Back Bay Books (publisher)
• Gotham Book Mart Collection (University of Pennsylvania)
• David Foster Wallace (author)
• Back Bay Books, an imprint of Little, Brown and Company (publisher)

2 **Infinite jest : a novel (Volume in English, published in 1996.)**
Contributors:
• Gotham Book Mart Collection (University of Pennsylvania)
• David Foster Wallace (author)
• Little, Brown and Company (publisher)

Publications of this

Filter publications... 🔍

11 results

Sort by (A - Z) ▾

1 **Infinite jest : a novel (Volume in English, published in 2016.)**
Contributors:
• Back Bay Books, Little, Brown and Company (publisher)
• Back Bay Books (publisher)
• Gotham Book Mart Collection (University of Pennsylvania) (other)

More options ▾

Copy URI for this page
<https://svde.org/opuses/841654265592866> Copy

Download the page in these formats
.json

More information related to this original work on other websites
• viaf record
• bnf record
• lcnaf record

Filter for connected Publication data

Related agents

More options button:

- SVDE URI for the entity

- Original work data representation in JSON

- link to records from external sources

<https://www.svde.org/infinite-jest-david-foster-wallace-o841654265592866/library-publications>

Entity page - Publication (~ bf:Instance)

ShareVDE BETA

Name contains the words foster wallace search

Search all content...

Options

David Foster Wallace > Infinite jest > Infinite jest : a novel (2016 edition in English)

Publication

Infinite jest

Volume, Published in English

Back Bay Books, and Back Bay Books, an imprint of Little, Brown and Company.

Contributors

Gotham Book Mart Collection (University of Pennsylvania)

ISBN: 9780316306058

Identifier: p137165486963191

Notes: "Originally published in hardcover by Little, Brown and Company, February 2016"--Title page verso.

Bibliographic level: Monograph

Cataloging source: YDXCP

Descriptive cataloging form: ISBD

Dimension: 23 cm

Edition statement: Back Bay 20th anniversary paperback edition.

Encoding level: Full

Extent: xv, 1079 pages ;

Record status: Corrected or revised

Responsibility statement: David Foster Wallace ; foreword by Tim Bissell.

System control number: (OCoLC-M)913135859, (OCoLC)ocn913135859

Available at 2 libraries

More options

Instance cluster:

- created with data contributed by all SVDE libraries. The description refers to the common Instance cluster
- breadcrumb retains relationship and shows snippet / preview of the content of connected entities on mouse over
- "Available at" function that enable connections with local library environments or connected services, including the link to the local OPACs and optionally interactive features like circulation request buttons



Entity page - Publication (~ bf:Instance)

Available at 2 libraries ▾ More options ▾

3 Related agents ▾ Subj

Filter agents...

3 results

No.	Name	Relationship
1	Gotham Book Mart Co (University of Pennsylv)	other
2	David Foster Wallace	author
3	Little, Brown and Company	publisher

End of list

More options button:

- SVDE entity URI
- data representation in different formats including JSON, MARC, MARCXML, RIS (other linked-data based representation formats are in progress, including JSON-LD, RDF XML, N-triples, N3, Turtle, N-Quads, TriX, TriG).

<https://www.svde.org/infinite-jest-a-novel-p1401654885176149/subj-ects>

Subjects and Concepts

Related agents Subjects

45 results

No.	Subject	Concepts	Subject provenance
1	FICTION (Topical subject)		University of Pennsylvania
2	Family life > Fiction (Topical subject)	Family life (Topic) Fiction (Genre)	University of Pennsylvania
3	Motion pictures > Fiction (Topical subject)	Motion pictures (Topic) Fiction (Genre)	University of Pennsylvania
4	Compulsive behavior (Topical subject)		University of Pennsylvania
17	Tennis > Fiction (Topical subject)	Tennis (Topic) Fiction (Genre)	Library of Congress
18	Compulsive behavior > Fiction (Topical subject)	Compulsive behavior (Topic) Fiction (Genre)	University of Alberta
19	Addicts > Fiction (Topical subject)	Addicts (Topic) Fiction (Genre)	University of Alberta
20	Compulsive behavior (Topical subject)		University of Alberta
21	Comportement compulsif > Romans, nouvelles, etc (Topical subject)	Comportement compulsif (Topic) Romans, nouvelles, etc (Genre)	University of Alberta
22	Addicts (Topical subject)		University of Alberta
23	englannin kieli (Topical subject)		National Library of Finland
24	kaunokirjallisuus (Topical subject)		National Library of Finland
25	englanninkielinen kirjallisuus (Topical subject)		National Library of Finland

Subject entity - initial version:

- aggregates all subjects pertaining to the resource

- Concepts are the pieces that form a subject string and in SVDE they are entities of their own (initial version of Concepts that we will expand further)

- clicking on a Subject, the user is redirected to the resources attached to that Subject

Tracking of Provenance:

- the system can be queried via API to return the bibliographic records of a given Provenance (= institution) connected to an Instance

- On the interface it shows which institutions have contributed to a linked data cluster, or to subjects

- Provenance is key to support the editing of linked data entities with JCricket, to track updates and collaborative services

<https://www.svde.org/infinite-jest-a-novel-p1401654885176149/subjects>



Subjects and Concepts

Subject ⓘ

Family life > Fiction

University of Pennsylvania

Concepts
Family life (Topic)
Fiction (Genre)

More options ▾

Original works about

Year Creator Genre

97 results

Sort by (A - Z) ▾

- 1 Akin (Fiction/Novel)
Creators:
+ Emma Donoghue (author)
VIAF ID: ⓘ
- 2 Gnomes and their families (Fiction)
Creators:
+ Wil Huygen (other)
+ James Diaz (illustrator)
+ Rien Poortvliet (author)
VIAF ID: ⓘ
- 3 When Dimple met Rishi (Fiction/Novel)
Creators:

- Initial version of Subject entity page, including subject strings linked in the Subject tab of the Publication page and the display of concepts

- Concepts are the pieces that form a subject string and in SVDE they are entities of their own (initial version of Concepts that we will expand further)

<https://www.svde.org/family-life-fiction-s1031654873687244/original-works-about>

Interesting Instance entity example

Rae R. Newton > "Your statistical consultant" > "Your statistical consultant : answers to your..."

Publication ⓘ

Your statistical consultant : answers to your data analysis questions

Volume. Published in English in 1999 in Thousand Oaks (Ventura County, Calif.) by Universidade Federal do Rio de Janeiro. Laboratório de Sistemas Avançados de Gestão da Produção and Sage Publications.

Contributors
[Kjell Erik Rudestam](#)

ISBN: 0803958226
Identifier: p26341656929688702
Notes: ill. ; ill. ; ill. ; kuvitettu
Bibliographic level: Monograph, Monograph
Cataloging source: DLC, DLC
Descriptive cataloging form: AACR, AACR, ISBD
Dimension: 24 cm.
Encoding level: Core, Core, Full
Extent: xxii, 313 p. :
Record status: Corrected or revised, Corrected or revised, Increase in encoding level from prepublication
Responsibility statement: Rae R. Newton, Kjell Erik Rudestam., Rae R. Newton, Kjell Erik Rudestam.
System control number: 40550891, (FI-MELINDA)000300742, ocm40550891

Available at 5 libraries ▾ Publisher description More options ▾

🔍 Copies of this publication 🔗 Related agents 📄 Subjects

1 result

No.	Title	Library	Call no.	Availability status	Barcode	⊕
1	🔍 Copy no. I45921660982738584	NYU	MAIN HA29 .N458 1999	Data not available		

<https://www.svde.org/your-statistical-consultant-answers-to-your-data-analysis-questions-p26341656929688702/subjects>

- many libraries contributed to this cluster
- subjects have different provenances
- initial rough display of item data
- additional resources extracted from the resource information, e.g.ToC, Publisher description etc.
- known issues: duplicated fields
- Provenance is retained in the system back-end along with original library records → key to support the editing of linked data entities with JCricket, to track updates and collaborative services



Default simple search configuration: the BNB

BRITISH NATIONAL BIBLIOGRAPHY BETA

Search for people, original works and publications

Publications Original works People and organizations

e.g. the hitchhiker's guide to the galaxy adams

Language Year Type

[Advanced search](#)

Explore linked open data for books and journals published or distributed in the United Kingdom and Ireland since 1950, and electronic publications since 2013

[← Back to British Library](#) [Learn more](#) [Options](#) ▾

Simple search default configuration on [Natbib tenant](#) and the [BNB - British National Bibliography skin](#)* is set to Publications search, instead of the SVDE default.

This was done to comply with a different requirement whereby for the data stored in this tenant (ie. national bibliographies) it's meaningful to direct users to publications.

Different communities or types of institutions might need customised features

(*) Note: the skin for the British National Bibliography is a preview of a beta site.



Support for ad hoc use cases

The screenshot shows the 'BRITISH NATIONAL BIBLIOGRAPHY' search interface. At the top, there's a header with the logo and 'BETA' status. Below it, a search bar contains the text 'Search for a publication for which'. To the right of the search bar is a 'Simple search' link. Below the search bar, there are two dropdown menus: 'BNB identifier' and 'contains the words'. The 'contains the words' dropdown is open, showing the search term 'GBB9K2565'. To the right of the search term is an 'and' dropdown and a plus icon. Below the search bar, there are 'Clear all' and 'Search' buttons. Below the search bar, there is a 'Publication results' tab. Below the tab, it says '1 result'. Below the result, it says 'Sort by (A - Z)'. Below the sort by, there is a list of results. The first result is 'Return to Stringybark Creek (Online resource in English, to be published.)'. Below the result, it says 'Contributors:'. Below the contributors, there are two entries: 'Karyl Lane (author)' and 'George Allen & Unwin Ltd (publisher)'. At the bottom of the list, there is a link to 'End of list'.

Implemented search for local ID
(BNB number identifying all
resources stored in this tenant)

[https://bl.natbib-lod.org/advanced-search/publications?q=\(nbn+contains+GBB9K2565\)](https://bl.natbib-lod.org/advanced-search/publications?q=(nbn+contains+GBB9K2565))

Support for ad hoc use cases

Karly Lane > "Return to Stringybark Creek" > 2019 edition in English

Publication ⓘ

Return to Stringybark Creek

Novel. Online resource. To be published in English in Sydney by George Allen & Unwin Ltd.

ISBN: 9781760872984
BNB: GBB9K2565
Identifier: p1901653378603115
Notes: Description based on CIP data; resource not viewed.
Acquisition term: £10.43
Bibliographic level: Monograph
Cataloging source: StDuBDS
Descriptive cataloging form: ISBD
Encoding level: Prepublication CIP
Extent: 1 online resource
Projected publication date: 201912
Responsibility statement: Karly Lane.

Explore the BNB at the British Library ↗ More options ▾

Display the information that the resource is a CiP record (Catalogue in Publication), ie. it has not been published yet (ad hoc data treatment was done to cover this case)

<https://bl.natbib-lod.org/return-to-stringybark-creek-p1901653378603115/related-agents>

Other entities

ShareVDE BETA

Search all content...

Christopher Tolkien > "History of Middle-Earth"

Series of original works ⓘ

History of Middle-Earth

Series of indexes/statistics original works by Christopher Tolkien.

Also known as: History of Middle-Earth; History of Middle-Earth index

More options ▾

Original works in this series | Publications of this | Related agents

Filter original works... | Year | Creator | Genre

21 results

No.	Title	Year	Genre	Creators
1	Lost road and other writings		Fiction	J. R. R. Tolkien (author) Christopher Tolkien (other)
2	Peoples of Middle-earth		Fiction	J. R. R. Tolkien (author) Christopher Tolkien (other)
3	Lays of Beleriand		Novel	J. R. R. Tolkien (author)

Original work of type Series connected to all the Original works of the series volumes

<https://svde.org/opuses/961654264848228>

Other discovery features and front-end design

Lord of the rings, the fellowship of the ring
Motion picture music.

Original work

The lord of the rings
Video recordings.

Original work

Lord of the rings
Blues (music)/fiction/video recordings/wall charts/motion picture music.

Original work

Lord of the Rings
Motion picture music.

Original work

The lord of the rings. The two towers
Written by J. R. R. Tolkien.

Original work

Lord of the rings, the return of the king
Motion picture music.

J. R. R. Tolkien
English philologist and author (1892–1973). Born in Bloemfontein, Etelä-Afrikka. Died in Bournemouth, Englanti.
John Ronald Reuel Tolkien was an English writer and philologist. He was the auth... –

NLN | Catalog BETA

Søk etter personer, originale

f.eks. Jules Verne eller Jorde

Avansert søk

Velg språk

- ☒ Dansk
- ☐ Deutsch
- ☐ English
- ☐ Español
- ☐ Français
- ☐ Italiano
- ☒ Norsk bokmål

Fargetema

Layoutbredde

Fonttykkelse

Avanserte alternativer for bibliotekar

☐ Vis entitetenes ID

Utforsk bibliotekdataene til de 20+ Shar

← Tilbake til National Library of Norway Les mer Alternativer ^


Hover over linked information and the system loads info, snippet or even photo from Wikipedia extracted by matching the Wikipedia ID


Localisation: discovery portal available in multiple languages


Accessibility features (color themes, layout, font)

Layout can change dynamically depending on what data the user wants to see: from table list layout to card list layout

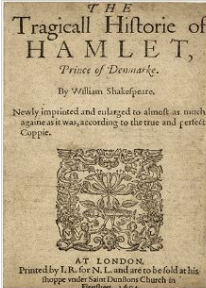
Local services: University of Pennsylvania


 Penn Libraries Catalog

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 (ⁱ/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](#)

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

Title	Person name	Language	Location	Availability	
Hamlet: Second quarto	 Michael Heppell	English	Penn	Available online	
Hamlet. A new version [by] Rouben Mamoulian	 Mike McClement	English	Penn	Available online	

Integration with local services, e.g. connection to Alma APIs for [Penn circulation services](#)



Penn integration with local services - lending

The screenshot displays the Penn Libraries Catalog website. A modal window is open for the item 'Hamlet: Second quarto'. The modal contains the following information:

- Item**
- Hamlet: Second quarto**
- Physical book by William Shakespeare. Published by Penguin in 1997.**
- Copy no. 1231-2415-3489 · Shelving location: Van Pelt > M1503.S44 H33 1971 · Notes about this item: "Some marginal ms. notes in pencil. Athenaeum copy; Hopkinson library; Uzzell gift, 1987."**

Below the item details, there are three radio button options:


- ☒ Place a hold on this physical item
- ☐ Scan a chapter and send it to my email
- ☐ Place on course reserve

At the bottom of the modal, there are two buttons: 'Cancel' and 'Place hold on item'.

In the background, the catalog interface is visible, showing a search bar, a user profile 'Jane Doe', and a list of results. The first result is 'Hamlet: Second quarto' by Michael Heppell, published in English, located in Penn, and available online.


Default configuration: SVDE and PCC data pool

Simple search default configuration on [SVDE](#) and [PCC data pool](#) portals




Search for people, original works and publications

e.g. *Jules Verne* or *Around the world in 80 days*



[Advanced search](#)

Explore the library data of the 20+ Share-VDE member libraries

[Learn more](#) [Options](#) 



Search for people, original works and publications

e.g. *Jules Verne* or *Around the world in 80 days*



[Advanced search](#)

Explore the open pool of PCC-quality BIBFRAME data housed by the Share
Family initiative

[← Back to PCC](#) [Learn more](#) [Options](#) 



On/Off mechanism example

The screenshot displays the Kubikat search interface. At the top, the Kubikat logo is on the left, and a user profile icon with the text 'Options' and a dropdown arrow is on the right. Below this is a search bar containing the text 'vittorio sgarbi'. To the right of the search bar is a magnifying glass icon and the text 'Advanced search' with a dropdown arrow. Below the search bar, there are three tabs: 'Publications (1.9K)' (selected), 'People and organizations (17)', and 'Original works (716)'. Below the tabs, the text 'Results that match both of the terms vittorio and sgarbi.' is displayed. Below this text are several filter buttons: 'Language', 'Year', 'Type', 'Library', 'Electronic / print', and 'Format'. To the right of these buttons is the text 'Sort by: Relevance' with a dropdown arrow. Below the filters, the text '1,868 results' is displayed. Below this text are three result entries, each starting with a blue circle icon and the word 'Publication'. The first entry is 'Capolavori del Museo Sartorio scelti da Vittorio Sgarbi' followed by 'Volume. Published in Italian in 2017 in Santarcangelo di Romagna by Maggioli Musei.' The second entry is 'Intervista a Vittorio Sgarbi : gli antiquari visti da' followed by 'Published in Giornale dell'arte. Volume. Published in Italian in 1997.' The third entry is 'Le stanze segrete di Vittorio Sgarbi : Lotto, Artemisia, Guercino' followed by 'Volume. Published in Italian in 2016 in Cinisello Balsamo, Milano by Silvana Editoriale.'

Facets and filters

Maximise efforts - Promote autonomy

The main purpose of this centralized architecture is to ensure **long-term sustainability** while promoting the **autonomy** of each tenant.

To foster this vision, it is essential to avoid ad hoc developments while ensuring the ability of local customizations. This flexibility is achieved through mechanisms that allow each tenant to selectively enable functions according to the purpose:

- on/off mechanism
- optional default configurations
- local features/services



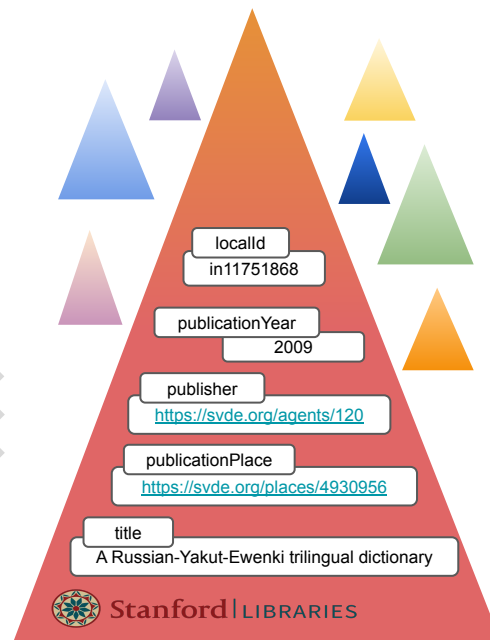
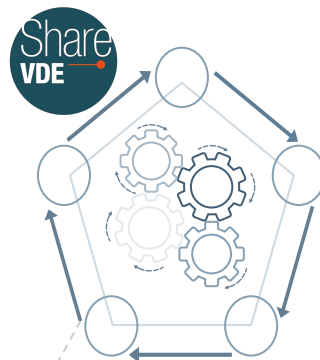
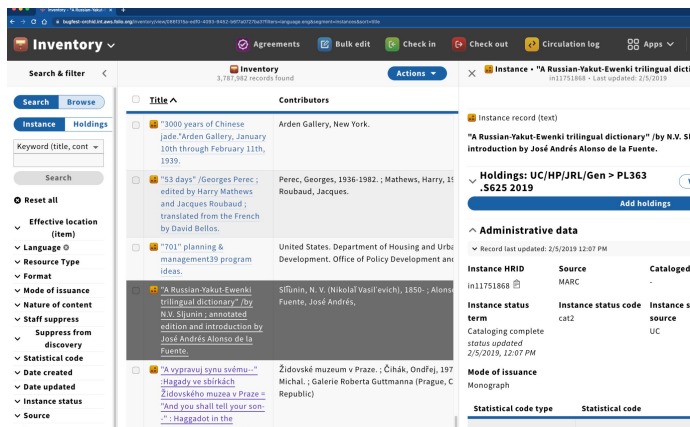


The Entity Management System



From Library Data to Share-VDE

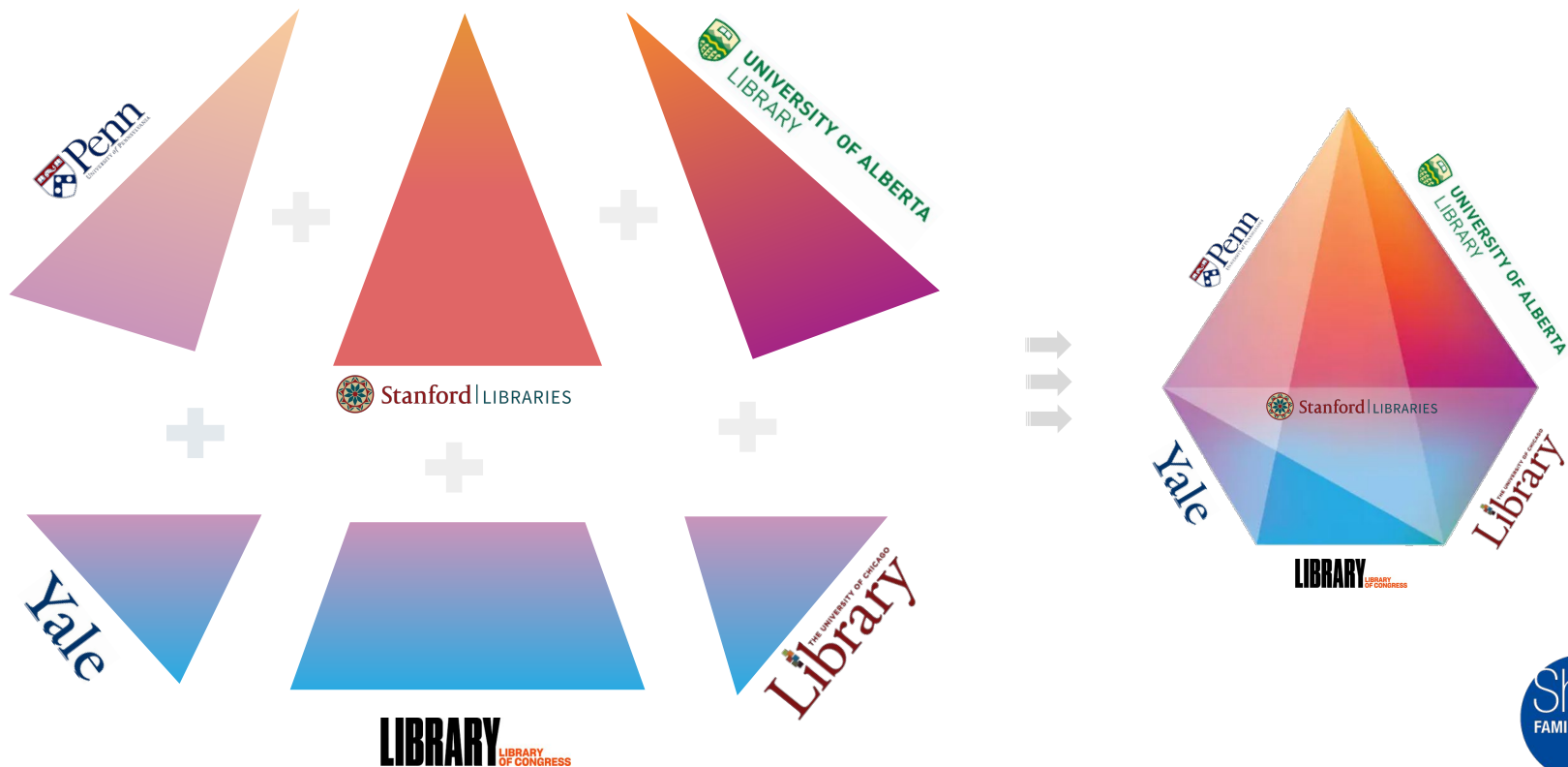
A Share-VDE member (Stanford, in the example) uses FOLIO for managing its data.



FOLIO instance (or instances in case of massive export) is sent to Share-VDE

FOLIO instance data is split across the entities that form the Share-VDE domain model. In this example we focus on the properties that are assigned to a Share-VDE instance (red triangle above)

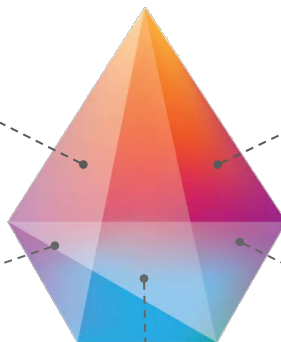
Prism, faces: the Share-VDE Entity



Faces (aka Contributions & Provenances)


 UNIVERSITY OF ALBERTA LIBRARY	
title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201

 Stanford	
title	Alice in wonderland
titleAlternative	Alice's adventures under ground
author	https://svde.org/people/201

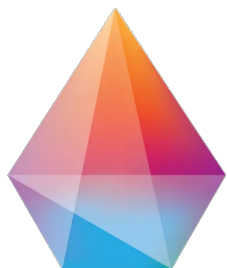


 LIBRARY LIBRARY OF CONGRESS	
title	Alice in wonderland

 National Library of Norway	
title	Alice's adventures under ground
titleAlternative	Journeys in Wonderland
author	https://svde.org/people/201

 (links)		
sameAs	http://dbpedia.org/resource/Alice&#39;s_Adventures_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

Properties: Attributes, Relationships, Links




Name	Value	Provenance
title	Alice in wonderland	 LIBRARY  Stanford
titleAlternative	Alice's adventures under ground	 LIBRARY  Stanford
titleAlternative	Journeys in Wonderland	 National Library of Norway

An attribute is a data property, having a literal as value

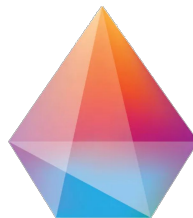
		
sameAs	http://dbpedia.org/resource/Alice&#39;s_Adventures_in_Wonderland	Dbpedia
sameAs	https://www.wikidata.org/wiki/Q189875	Wikidata
sameAs	https://data.bnf.fr/ark:/12148/cb358500385#about	bnf

A link is a connection between a Share-VDE Prism and an external reference

Name	Provenance
author	 LIBRARY  Stanford

Name	Value	Provenance
name	Carroll, Lewis	 LIBRARY  Stanford
nameAlternative	Dodgson, Charles Lutwidge	 LIBRARY  Stanford
nameAlternative	Karol, Luis	 National Library of Norway

A relationship is a connection between two Share-VDE Prisms



The Big Picture: Genesis, Search, Edit

Data flows into Share-VDE from libraries, institutions and third-party sources (e.g. VIAF, ISNI, FAST)

The Share-VDE knowledge base (**Sapientia**) contains the integrated/clustered/enriched entities.

Data is mainly edited through JCricket, the Share-VDE entity editor.

Edit API (GraphQL)

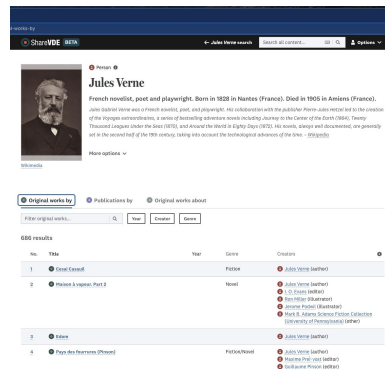
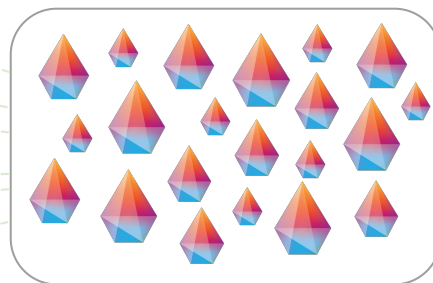
JCRICKET
Entity Editor

Search API (GraphQL / REST)

Third-party Applications

Any third-party, authorized application can be a Share-VDE client

Data is searchable through the entity discovery portal.



JCricket: Available Operations

Edit: a property is added/updated/deleted



~~Lewis Carroll~~



Lewis Carroll

is author of

~~<https://svde.org/opuses/1827349>~~

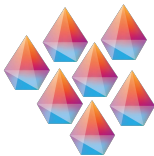


<https://svde.org/opuses/920302>

Invalidate



Merge: multiple prisms are merged into one



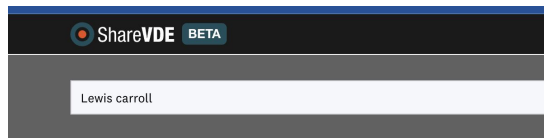
For example, two prisms, “*Mark Twain*” and “*Samuel Clemens*”, should be actually part of the same entity.

Split: a prism is split into multiple prisms



A prism (wrongly) contains information belonging to multiple entities (e.g., “*Wallace David*” and “*David Wallace*”)

JCricket user interface



All results (6) People and organizations (1) Original works (5)

6 results found

Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

Original work

Alice's adventures in Wonderland

Novel written by [Lewis Carroll](#) in 1865.

Original work

Music in art

Journal published by [Lewis Carroll](#), [Alfred Ludlow Carroll](#), and [Charles Lutwidge Dodgson](#).



[Wikimedia Commons](#)

Original works by

[Filter original works...](#)

3 results

No.	Title
1	Original work Alice's adventures in Wonderland
2	Original work Music in art

Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

Charles Lutwidge Dodgson's works are Alice's Adventures in Wonderland, Alice's Adventures in the Looking Glass, and Alice's Adventures in the Mirror. He is also known for his play, logic, and fantasy. He is also known for his play, logic, and fantasy. He is also known for his play, logic, and fantasy.

– Wikipedia

Editor Options

[Edit](#)

[Add to my merge list](#)

Copy URI for this page

<https://svde.org/agents/201>

[Copy](#)

Download the page in these formats

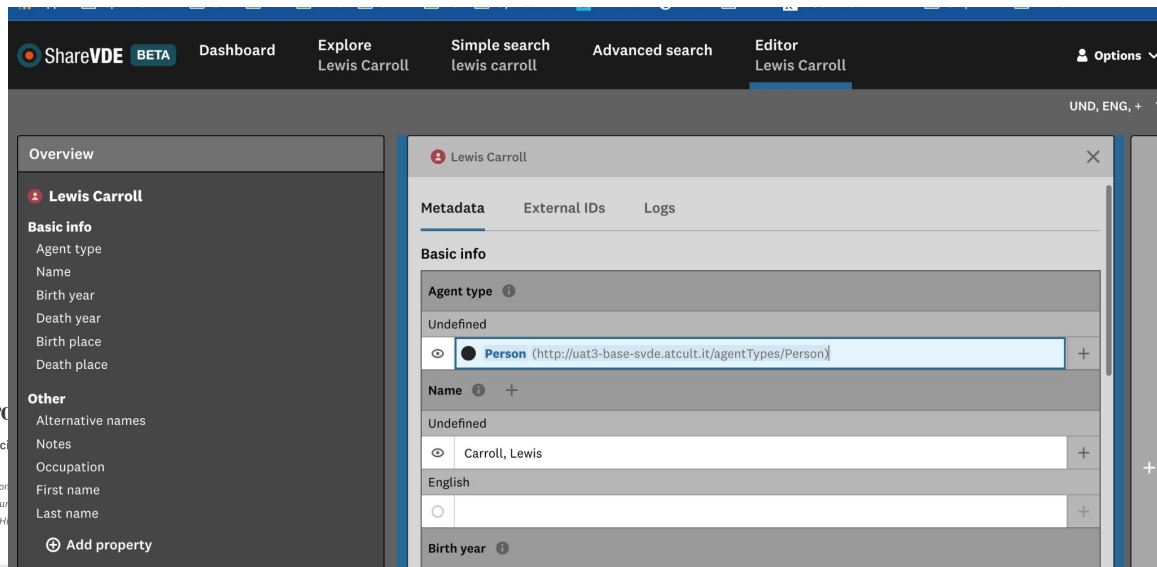
[JSON](#)

More information related to this person on other websites

[wikidata record](#)

[Isni record](#)

[vial record](#)



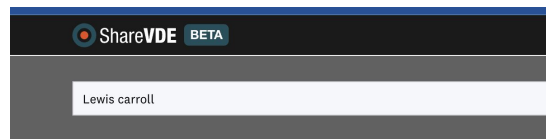
Step 1: Search on Share-VDE Main Portal

Step 2: Enter the entity details page

Step 3: Click on the edit action and enter the JCricket UI



JCricket user interface



All results (6) People and organizations (1) Original works (5)

6 results found

Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

Original work

Alice's adventures in Wonderland

Novel written by [Lewis Carroll](#) in 1865.

Original work

Music in art

Journal published by [Lewis Carroll](#), [Alfred Ludlow Carroll](#), & [Charles Lutwidge Dodgson](#).



[Wikimedia Commons](#)

Original works by

[Filter original works...](#)

3 results

No.	Title
1	Original work Alice's adventures in Wonderland
2	Original work Music in art

Person

Lewis Carroll

English writer, logician, Anglican deacon and photographer (1832-1898). Born in Daresbury, Cheshire, England.

Charles Lutwidge Dodgson's works are Alice's Adventures in Wonderland, Alice's Adventures Under Ground, Alice's Adventures in Wonderland, and Alice's Adventures in Wonderland. - Wikipedia

Editor Options

[Edit](#)

[Add to my merge list](#)

Copy URI for this page

<https://svde.org/agents/201>

[Copy](#)

Download the page in these formats

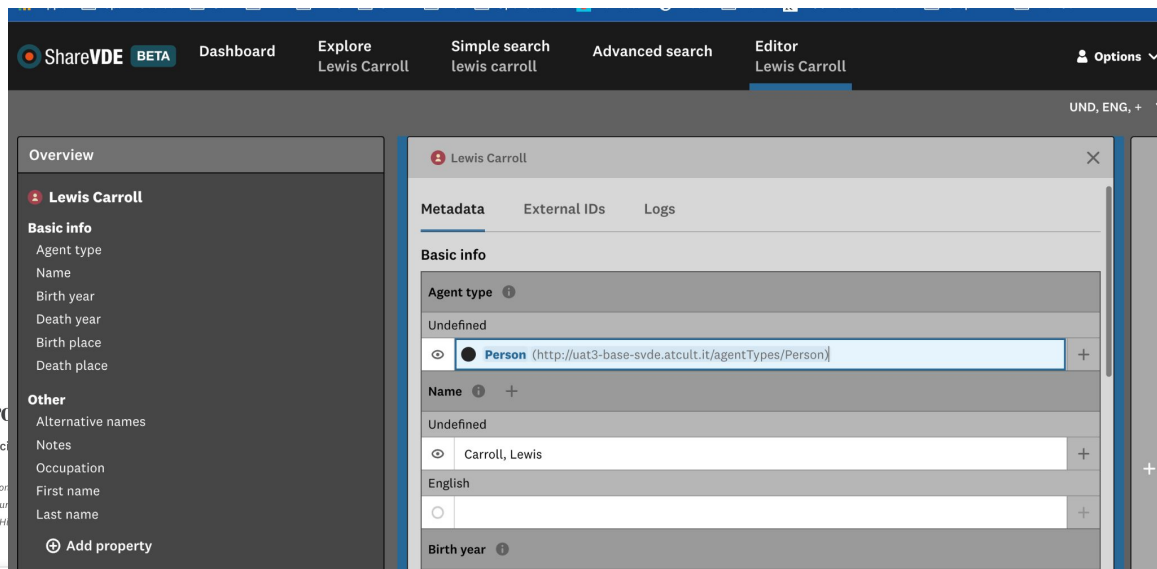
[JSON](#)

More information related to this person on other websites

[wikidata record](#)

[Isni record](#)

[vial record](#)



Step 1: Search on the Main Portal

Step 2: Enter the entity details page

Step 3: Click on the edit action and enter the JCricket UI



What JCricket *is*



- ✓ it's a BIBFRAME entities editor
- ✓ it applies to linked data entities created within all tenants of the Share Family (svde.org, pcc-lod.org, natbib-lod.org...)
- ✓ it's a manual application that manages properties (attributes, relations and links) of entities in the CKB - Cluster Knowledge Base
- ✓ it's a collaborative tool shared across member institutions
- ✓ it can be used as an original cataloguing tool
- ✓ it can be a new tool for entity cataloging/sharing in LOD

What JCricket *is not*



- ✗ not a traditional bibliographic data editor
- ✗ not in contrast with Sinopia or Marva
- ✗ not impacting original data that reside in member libraries' systems (unless libraries want to use ad hoc APIs for entity updates both in SVDE and in their systems)

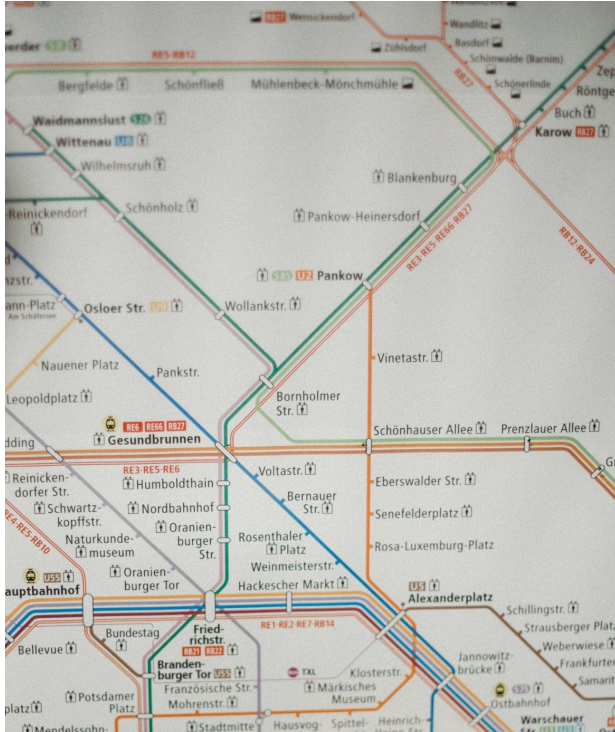
Next generation cataloguing



The JCricket editor is an example of how the LOD Platform technology, within the Share Family Linked Data Ecosystem, is pursuing a **new way of managing library cataloguing in a cooperative way**:

- ★ aggregation of data from multiple sources
- ★ managed through standard protocols (linked data)
- ★ in a collaborative and integrated environment
- ★ that makes available open data and resources
- ★ to end users and professionals (researchers, scholars etc.)
- ★ for reuse in the library community and beyond

Where we are now



- ★ LOD Platform version 3.0.0 including JCricket has been released in test environment ✓
- ★ Major release that introduces many changes in the software and in data processing algorithms
- ★ A selected group of members will conduct the initial testing, initially focussing on JCricket Entity Editor

JCricket references

Useful references:

- JCricket overview
<https://wiki.share-vde.org/wiki/ShareDoc:PublicDocumentation/LODPlatform/EntityEditor>
- general JCricket presentation
https://wiki.share-vde.org/w/images/7/74/JCricket_overview_-_2023-Jan-26.pdf
- for more technical details on JCricket
https://wiki.share-vde.org/w/images/e/e8/JCricket_entity_editor_presentation.pdf
- on how JCricket has been conceived
https://wiki.share-vde.org/w/images/b/b3/Share-VDE_perspective_on_Cluster_Knowledge_Base_and_Provenance.pdf

See the live demos!

JCricket premiered its demo at the ALA Conference 2023, during the Share-VDE Workshop:

https://bit.ly/SVDE_Workshop2023_recording

JCricket demo at the LD4 Conference 2023:

<https://www.youtube.com/watch?v=wbrqvWGnvfl>

Share-VDE discovery portal general demo: <https://bit.ly/SVDE-discovery-live-demo>

JCricket Editor - examples from the user interface



JCricket feature selection

ShareVDE BETA

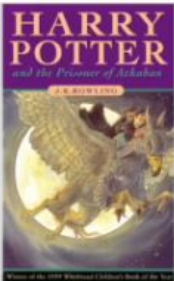
Explore
Harry Potter and the prisoner of Az...

Simple search
levy

Advanced search
Contributor is J. K. Rowling in any...

Editor
Original work with unknown title (f...

J. K. Rowling" > "Harry Potter and the prisoner of Azkaban" (...)



Wikimedia Commons

Original work ⓘ

Harry Potter and the prisoner of Azkaban

Fantasy novel by J. K. Rowling. Created in 1999.

Harry Potter and the Prisoner of Azkaban is a fantasy novel written by British author J. K. Rowling and is the third in the Harry Potter series. The book follows Harry Potter, a young wizard, in his third year at Hogwarts School of Witchcraft and Wizardry. Along with friends Ronald Weasley and Hermione Granger, Harry investigates Sirius Black, an escaped prisoner from Azkaban, the wizard prison, believed to be one of Lord Voldemort's old allies. - [Wikipedia](#)

More options ▾

Editor options

Edit CTRL+ALT+T

Add to my merge list ALT+SHIFT+M

Copy URI for this page

<https://svde.org/opuses/463> Copy

Download the page in these formats

.json

More information related to this original work on other websites

[viaf record](#)

Publications of this

1 result


No.	Name
1	J. K. Rowling

in

Relationship ⓘ

Yate.

author



JCricket edit - Multiple entities in one screen

The screenshot displays the JCricket edit interface, showing two entity forms side-by-side. The left form is for the entity "Harry Potter and the prisoner of Azkaban" (a book), and the right form is for the entity "Eric S. Rabkin" (a person). Both forms have a sidebar on the left with sections for Overview, Basic info, and Other. The Basic info section includes fields for AgentType, Name, Year, Birth year, BirthPlace, and DeathPlace. The Other section includes fields for Alternative names, Occupation, First name, and Last name. The Harry Potter form has a Contributor field with the value "Rowling, J. K." and a Work field with two URLs. The Eric S. Rabkin form has a Birth year field with the value "1946" and a Death year field with the value "1946".

Entity 1: "Harry Potter and the prisoner of Azkaban" (Fantasy fiction)

- Metadata**
 - External IDs
- Basic info**
 - OpusType (1) Ⓜ
 - Undefined
 - Title (1) Ⓜ +
 - Undefined
 - Harry Potter and the prisoner of Azkaban
 - English
 - Year (1) Ⓜ
 - Undefined
 - 1999
 - English
 - Genre (0..*) Ⓜ
 - Undefined
 - Fantasy fiction (gdf014028333)
 - Contributor (*) Ⓜ
 - Undefined
 - Rowling, J. K. (a230)
 - Author (aut)
- Other**
 - Work (*) Ⓜ
 - Undefined
 - http://n13-base-vde.atcult.it/works/463-1 (s463-1)
 - http://n13-base-vde.atcult.it/works/463-2 (s463-2)

Entity 2: Eric S. Rabkin

- Metadata**
 - External IDs
- Basic info**
 - AgentType (1) Ⓜ
 - Undefined
 - Person (http://n13-base-vde.atcult.it/agentTypes/Person)
 - Name (1) Ⓜ +
 - Undefined
 - Rabkin, Eric s.
 - Rabkin, Eric S.
 - English
 - Birth year (1) Ⓜ
 - Undefined
 - 1946
 - English
 - Death year (1) Ⓜ
 - Undefined
 - 1946
 - English
 - BirthPlace (1) Ⓜ
 - Undefined
 - Florida (g453750)
 - DeathPlace (1) Ⓜ
 - Undefined
- Other**
 - Alternative names (0..*) Ⓜ +
 - Undefined
 - Rabkin, Eric
 - Rabkin, Eric Stanley
 - English
 - Occupation (0..*) Ⓜ
 - Undefined
 - Teacher (http://n13-base-vde.atcult.it/occupations/Teacher)

JCricket edit - add attribute

The screenshot shows the JCricket editor interface for the work "Harry Potter and the prisoner of Azkaban". The left sidebar contains a search bar and a list of properties. The main area displays the metadata for the work. A dialog box is open, showing the search results for the property "Title alternatives (text)".

Overview

Explore Harry Potter and the prisoner of Az...

Simple search harry potter

Advanced search Contributor is J. K. Rowling in any...

Editor "Harry Potter and the prisoner of A..."

Overview

+ "Harry Potter and the prisoner of Azkabans..."

Basic info

OpusType (1) Ⓜ

Undefined

Year

Genre

Contributor

Other

Work

+ Add property

Search for an attribute or relationship

Title alternatives (text)

PartName (text)

LegalDate (number)

MusicMedium (text)

PartNumber (text)

MusicKey (text)

Metadata

External IDs

Basic info

OpusType (1) Ⓜ

Undefined

Title (1) Ⓜ +

Undefined

Harry Potter and the prisoner of Azkaban

English

Harry Potter and the prisoner of Azkaban

DEU

Harry Potter and the prisoner of Azkaban

Year (1) Ⓜ

Undefined

1999

English

Genre (D...*) Ⓜ

Undefined

Fantasy fiction (gg/2014020333)

Contributor (*) Ⓜ

Undefined

Rowling, J. K. (x230) Author (aut)

Williams, John (x238) Illustrator (ill)

Euripides (x246) Author (aut)

Other

Work (*) Ⓜ

Undefined

http://vit3-base-vvde.atcult.it/works/463-1 (w463-1)

http://vit3-base-vvde.atcult.it/works/463-2 (w463-2)

+ Add property

The screenshot shows the JCricket editor interface for the work "Harry Potter and the prisoner of Azkaban". The left sidebar contains a search bar and a list of properties. The main area displays the metadata for the work. A dialog box is open, showing the search results for the property "Title alternatives (text)".

Overview

Explore Harry Potter and the prisoner of Az...

Simple search harry potter

Advanced search Contributor is J. K. Rowling in any...

Editor "Harry Potter and the prisoner of A..."

Overview

+ "Harry Potter and the prisoner of Azkabans..."

Basic info

OpusType

Title

Year

Genre

Contributor

Other

Work

+ Add property

Search for an attribute or relationship

MergedToForm (Original work)

RelatedTo (Original work)

AbsorbedInPartBy (Original work)

DerivativeOf (Original work)

HasDerivative (Original work)

Accompanies (Original work)

Metadata

External IDs

Basic info

OpusType (1) Ⓜ

Undefined

Title (1) Ⓜ +

Undefined

Harry Potter and the prisoner of Azkaban

English

Harry Potter and the prisoner of Azkaban

DEU

Harry Potter and the prisoner of Azkaban

Year (1) Ⓜ

Undefined

1999

English

Genre (D...*) Ⓜ

Undefined

Fantasy fiction (gg/2014020333)

Contributor (*) Ⓜ

Undefined

Rowling, J. K. (x230) Author (aut)

Williams, John (x238) Illustrator (ill)

Euripides (x246) Author (aut)

Other

Work (*) Ⓜ

Undefined

http://vit3-base-vvde.atcult.it/works/463-1 (w463-1)

http://vit3-base-vvde.atcult.it/works/463-2 (w463-2)

+ Add property

JCricket merge - select merged entities

<input type="checkbox"/>	No.	Title	Year	Genre	Creators
<input type="checkbox"/>	8	Around Antigone			<ul style="list-style-type: none">Williams, John (author)Carroll, Adam (Adam Paul) (other)Dodgson, Campbell (other)
<input type="checkbox"/>	9	Musical paintings of Mikalojus Konstantinas Ciurlionis and modernism			<ul style="list-style-type: none">Latimer, Karen (author)Carroll, Adam (Adam Paul) (other)
<input type="checkbox"/>	10	Picturing the players in the pit			<ul style="list-style-type: none">Scholes, Robert E. (author)Carroll, Adam (Adam Paul) (other)
<input type="checkbox"/>	11	The musicians in Balthasar Wigand's depiction of the performance of Haydn's Die Schöpfung, Vienna, 27 march 1808			<ul style="list-style-type: none">Rabkin, Eric S. (author)Carroll, Lewis (other)Carroll, Adam (Adam Paul) (other)
<input checked="" type="checkbox"/>	12	Music in art	1998		<ul style="list-style-type: none">Carroll, Lewis (illustrator)Carroll, Lewis (author)Carroll, Alfred Ludlow (illustrator)Carroll, Adam (Adam Paul) (illustrator)
<input checked="" type="checkbox"/>	13	Su alcuni palazzi folignati dei secoli XVI - XVIII			<ul style="list-style-type: none">Carroll, Adam (Adam Paul) (author)
<input type="checkbox"/>	14	Bollettino storico della città di Foligno	1969		
<input type="checkbox"/>	15	La B. Angela da Foligno e S. Francesco d'Assisi			<ul style="list-style-type: none">Carroll, Adam (Adam Paul) (author)
<input checked="" type="checkbox"/>	16	Indagini a S. Maria in Campis di Foligno			<ul style="list-style-type: none">Abbott, Megan (author)
<input type="checkbox"/>	17	Amicitiae sensibus			
<input type="checkbox"/>	18	Scritti in onore di Bernardino Lattanzi per il suo 90 compleanno			
<input type="checkbox"/>	19	The image of the illuminator			<ul style="list-style-type: none">Latimer, Karen (author)
<input type="checkbox"/>	20	Alchemy and colour			<ul style="list-style-type: none">Carroll, Alfred Ludlow (author)
<input type="checkbox"/>	21	The trade in colours			<ul style="list-style-type: none">Carroll, Alfred Ludlow (author)
<input type="checkbox"/>	22	Colour (Ausstellungskatalog, 2016)		Catalogs	
<input type="checkbox"/>	23	Landscape memory			<ul style="list-style-type: none">Slusser, George Edgar (author)Wissen, Katherine M. (author)
<input type="checkbox"/>	24	Divine mushrooms and sacred landscape			<ul style="list-style-type: none">Scholes, Robert E. (author)
<input type="checkbox"/>	25	Original work with unknown title			<ul style="list-style-type: none">Scholes, Robert E. (author)
<input type="checkbox"/>	26	Memorial landscapes		Conference materials	<ul style="list-style-type: none">Rabkin, Eric S. (author)
<input type="checkbox"/>	27	Mnemosyne			
<input type="checkbox"/>	28	Edizione nazionale della opera di Pietro	2002	Bibliographies	<ul style="list-style-type: none">Arntsen, Dieter (author)

3 original works selected Show selected

☐ Deselect all

Explore

Simple search

Advanced search

Editor

Title does not contain the words xy...

Search for an original work for which

Simple search

title

does not contain th

xyz

and

Clear all

Search

Original work results

Filter original works...

Year

Genre

Creator

Type

121 results

<input type="checkbox"/>	No.	Title	Year	Genre	Creators
<input type="checkbox"/>	1	[Rezension von:] Lopez, Robert Sabatino: Su e giù per la storia di Genova.	1975		
<input type="checkbox"/>	2	Earth moved	2021		
<input type="checkbox"/>	3	Ceramic, art and civilisation	2021		
<input type="checkbox"/>	4	Michelangelo's principles of Panofsky's?: [Rezension von:] Michelangelo's design principles, particularly in relation to those of	2020		

My merge list

Original works (3)

Agents (0)

Music in art (1998)

Creators:

Carroll, Lewis (illustrator)

Carroll, Lewis (author)

Carroll, Alfred Ludlow (illustrator)

Carroll, Adam (Adam Paul) (illustrator)

Su alcuni palazzi folignati dei secoli XVI - XVIII

Creators:

Carroll, Adam (Adam Paul) (author)

Indagini a S. Maria in Campis di Foligno

Creators:

Abbott, Megan (author)

Clear list

Merge

JCricket merge - select properties

● "Su alcuni palazzi folignati dei secoli XVI - XVIII" (5001)

✕ Remove entity

Work

Undefined

⊞ ● <http://uat3-base-svde.atcult.it/works/5001-1> (w5001-1)

1 pr. →

Contributor

Undefined

⊞ ● [Carroll, Adam \(Adam Paul\)](#) (a203)

[Author](#) (aut)

1 pr. ←

Title

Undefined

⊞ Su alcuni palazzi folignati dei secoli XVI - XVIII

1 pr. →

Opus type

Undefined

⊞ ● [article](http://uat3-base-svde.atcult.it/opusTypes/T005) (http://uat3-base-svde.atcult.it/opusTypes/T005)

1 pr. ←

● "Indagini a S. Maria in Campis di Foligno" (4998)

✕ Remove entity

Work

Undefined

⊞ ● <http://uat3-base-svde.atcult.it/works/4998-1> (w4998-1)

1 pr. →

Contributor

Undefined

⊞ ● [Abbott, Megan](#) (a224)

[Author](#) (aut)

1 pr. ←

Title

Undefined

⊞ Indagini a S. Maria in Campis di Foligno

1 pr. →

Opus type

Undefined

⊞ ● [article](http://uat3-base-svde.atcult.it/opusTypes/T005) (http://uat3-base-svde.atcult.it/opusTypes/T005)

1 pr. →

End of content

Basic info

Opus type

Undefined

⊞ ● [journal](http://uat3-base-svde.atcult.it/opusTypes/T004) (http://uat3-base-svde.atcult.it/opusTypes/T004)

1 pr. D

⊞ ● [article](http://uat3-base-svde.atcult.it/opusTypes/T005) (http://uat3-base-svde.atcult.it/opusTypes/T005)

1 pr. ←

Title

Undefined

⊞ Music in art

1 pr. D

Year

Undefined

⊞ 1998

1 pr. D

Contributor

Undefined

⊞ ● [Carroll, Lewis](#) (a201)

[Author](#) (aut)

3 pr. D

⊞ ● [Carroll, Alfred Ludlow](#) (a202)

[Illustrator](#) (ill)

1 pr. D

⊞ ● [Carroll, Lewis](#) (a201)

[Illustrator](#) (ill)

1 pr. D

⊞ ● [Carroll, Adam \(Adam Paul\)](#) (a203)

[Illustrator](#) (ill)

1 pr. D

⊞ ● [Carroll, Adam \(Adam Paul\)](#) (a203)

[Author](#) (aut)

1 pr. ←

⊞ ● [Abbott, Megan](#) (a224)

[Author](#) (aut)

1 pr. ←

Other

Article

Undefined

⊞ ● [The musicians in Balthasar Wigand's depiction of the performance of Haydn's Die Schöpfung, Vienna, 27 march 1808](#) (a5003)

1 pr. D

⊞ ● [Picturing the players in the pit](#) (o5004)

1 pr. D

Work

Undefined

⊞ ● <http://uat3-base-svde.atcult.it/works/5002-1> (w5002-1)

1 pr. D

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