

The Share Family initiative to bring Linked Open Data into practice

Linked Data Taiwan conference, 5th October 2023 Anna Lionetti, Casalini Libri

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



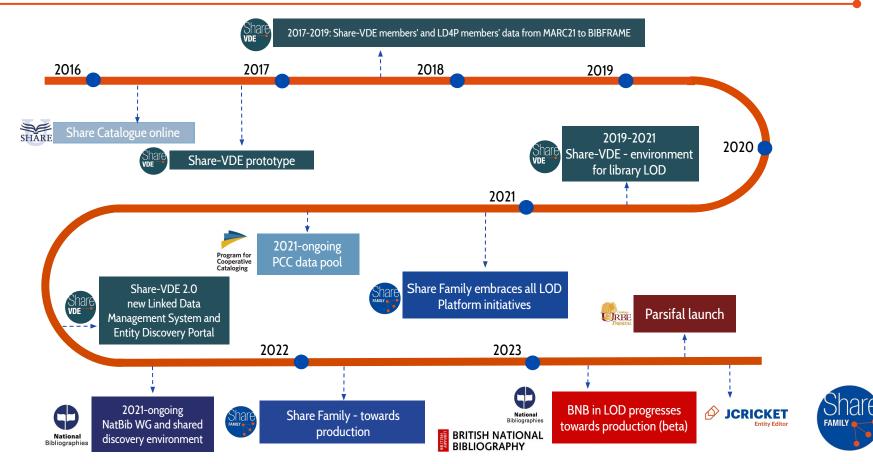
- ✓ Share-VDE background and the Share Family
- Main updates on Working Groups and cooperation
- Towards an operational environment
- ✓ JCricket The Entity Management System



Share-VDE background and the Share Family



Stepping stones



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 (LSPs) to join their knowledge in an ever-widening network of interconnected bibliographic data.

For further details please refer to <u>https://www.share-family.org</u> and <u>the dedicated Share-VDE wiki</u> <u>section</u>.



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 New York University Smithsonian Libraries and Archives Stanford University University of Alberta / NEOS Library Consortium University of Chicago University of Michigan Ann Arbor University of Pennsylvania Vanderbilt University 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



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 linked open data BNB beta website is available at

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



PCC Catalogue in Linked Open Data



https://pcc-lod.org/

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



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



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



Share–VDE and Share Family – Linked Data Ecosystem: Principles



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 BIBFRAME data model and facilitating interoperability with different data models and data pools, bibliographic information 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 bibliographic data, with time, expertise and costs shared across the community for the benefit of all members.

C SUSTAINABLE

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.



Share-VDE and Share Family – Linked Data Ecosystem: Processes

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)

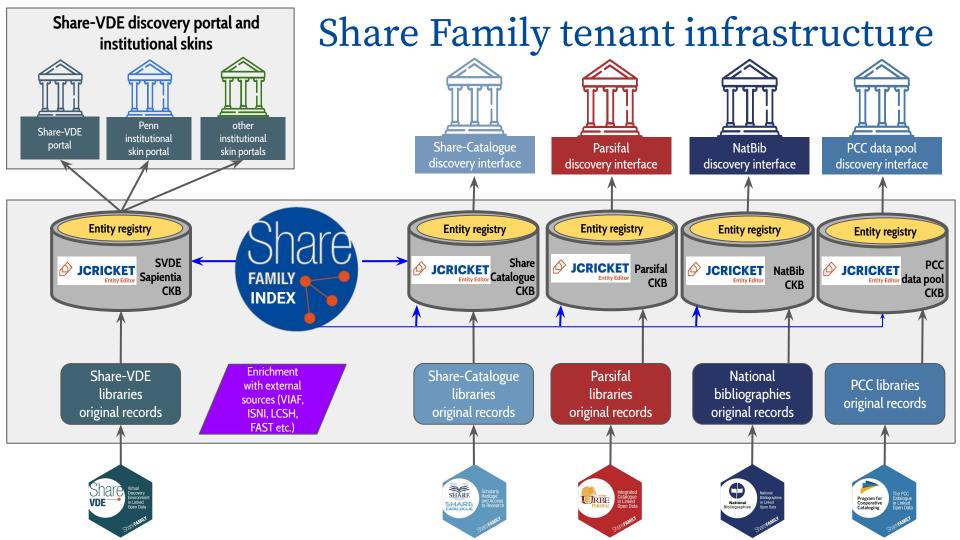
T Shared Data Management

- 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





Default configuration: SVDE and PCC data pool

Simple search default configuration on <u>SVDE</u> and <u>PCC data pool</u> portals

ShareVDE BETA	THE PCC CATALOG BETA		
Search for people, original works and publications e.g. Jules Verne or Around the world in 80 days	Search for people, original works and publications e.g. <u>Jules Verne</u> or <u>Around the world in 80 days</u>		
Q	٩		
Advanced search	Advanced search		
	Explore the open pool of PCC-quality BIBFRAME data housed by the Share		
Explore the library data of the 20+ Share-VDE member libraries	Family initiative		
Learn more Options 🗸	← <u>Back to PCC</u> <u>Learn more</u> <u>Options</u> ~		



Default configuration: British National Bibliography

Simple search default configuration on Natbib tenant and the BNB - British National Bibliography skin*

BRITISH NATIONAL BIBLIOGRAPHY	• Publication • Fruit of the lemon Volume. Published in English in 2006 in Leicester by <u>Charnwood</u> .
Publications Original works and publications Publications Original works People and organizations e.g. the hitchhiker's guide to the galaxy adams Image: Q	ISBN: 1846171229 BNB: 08A586210 Identifier, JB91653381779206 Notes: III.; Acquisition term: SIB.99 Bibliographic level: Monograph Cataloging source: STUBD35 Descriptive cataloging form: AACR Dimension: 24 cm. Edition statement: Lorge print ed. Encoding level: Full Extent: 413 p. (large print) : Record status: increase in encoding level from preput Responsibility statement: Andreo Levy: Notes: Marce State: State in encoding level from preput Responsibility statement: Andreo Levy: https://mathib-lod.org/oublications/1801653381779206 Copy
Language Year Type	Explore the BNB at the British Library (2) Download the page in these formats
Advanced search	Related agents Ø Subjects MARC (binary) Filter agents Q Lu
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 ~	* <u>the British Library announced</u> the launch of the beta version of the British National Bibliography Linked Open Data Portal

Default simple search configuration: the BNB

BRITISH NATIONAL BIBLIOGRAPHY	
Search for people, original works and publica	ations
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 <u>Natbib tenant</u> and the <u>BNB - British National Bibliography skin</u>* 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



Share Family tenant infrastructure

- The Share Family of initiatives includes different branches and sister projects, supported by the same <u>LOD Platform technology</u>. 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 <u>Summary of Share Family</u> <u>tenants</u>.
- 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 <u>https://nyu.svde.org/advanced-search/publications?q=(title+does not contain+xyz)&heldAtLibrary=true</u> (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. <u>https://nyu.svde.org/suite-de-la-mancha-flute-cello-piano-unknown-author-o781654264663247/library-</u> <u>publications</u> (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. <u>Natbib tenant</u>)

Example: institutional skin portals in SVDE

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

stanford.svde.org		natlibfi.svde.org
Stanford Libraries catalog	E → C Δ is unibertaxeleorg UNIVERSITY OF ALEER LIBRARY CALLER	Bogree NLF CATALOG BEB
Search for people, original works and publications e.g. Jules Verne or Around the world in 80 days	Search for people, original works and publications e.g. Jules Verne or Around the world in 80 days Advanced watch	Search for people, original works and publications e.g. Jules Verne or Around the world in 80 days Advanced search
<u>Advanced search</u> Explore the library's linked open data entities created in BIBFRAME by Share-VDE ← <u>Back to Stanford Libraries</u> <u>Learn more</u> <u>Options</u> ❤	Explore the library's linked open data entities created in BB/RAME by Share-VDE	Explore the library's linked open data entities created in BIBFRAME by Share-VDE

Main updates on Working Groups and cooperation



<u>Member institutions</u> of Share-VDE and Share Family <u>Working Groups</u> and parallel projects are constantly contributing with their Subject Matter Experts to requirements gathering, functional analysis and feedback to developments.

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 and Working Groups:

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



Share-VDE Advisory Council

The <u>Share-VDE AC</u> 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.

- Share-VDE Executive Summary, December 2022, summarising the scope of Share-VDE in the context of Linked Open Data for Libraries;
- Share-VDE Statement, September 2021, explaning the position of SVDE in the broader context of Library Linked Open Data;
- 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.



User Experience/User Interface WG

The <u>UX-UI WG</u> has redesigned the Share-VDE user interface to meet the requirements and expectations of both patrons and library staff. SVDE 2.0 entity discovery interface:

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

- 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 enhancement of portal features, in conjunction with the National Bibliographies Working Group.



Sapientia Entity Identification WG

The <u>SEIWG</u> reviews the use of entities, identifiers, and associated modelling in the Sapientia CKB; evaluates and refines processes for Sapientia entity clustering in Share-VDE and the creation of associated open and stable URI for use in Share-VDE and in the library community; reviews MARC to BIBFRAME and BIBFRAME to MARC conversion; engages with the library community to outline and/or develop best practices for use of Sapientia identifiers in BIBFRAME and MARC data.

- definition of the <u>SVDE Ontology</u>; see also Jim Hahn's presentation at the <u>BFWE 2023</u>;
- svde:Work is subclass of bf:Work \rightarrow this ensures interoperability;
- 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.



National Bibliographies WG

The <u>National Bibliographies Working Group</u> is dedicated to facilitating practical cooperation among National Bibliographies, and addressing the needs of National Libraries and institutions that hold National Bibliographies within the framework of a shared entity discovery environment such as the Share Family of initiatives.

- overview document National Bibliographies Share Family initiative 2022-June.pdf
- involvement of SVDE / Share Family members and external institutions;
- IFLA Bibliographic Section liaison (Maud Henry from KBR Royal Library of Belgium);
- discussion on topics of interest related to hosting national bibliographies as an ad hoc tenant;
- main tenant of the shared discovery environment for national bibliographies: <u>https://natbib-lod.org/;</u>
- implementation of the skin portal for the BNB British National Bibliography https://bl.natbib-lod.org (this is a preview of a beta site);
- joint work with the SVDE UX-UI working group to design end user services and user interface/discovery
- ²⁶ features.

Authority/Identifier Management Services WG

The <u>AIMS WG</u> defines guidelines and best practices for Authority/Identifier management; describes 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.

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



Cluster Knowledge Base Editor WG

The <u>CKBE WG</u> examines 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.

- 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).



Towards an operational environment



An integrated and hybrid environment

The mutual exchanges in the BIBFRAME / linked data community are bringing the Share Family towards:

- an integrated, "hybrid" operational environment...
- ...based on a variety of tools and diverse data sources...
- ...including traditional workflows (eg. new authority services for MARC workflows) as well as advanced models for data exchange



An integrated and hybrid environment

EXPLORING DONE ONGOING Third parties Finer granularity level of integration with the CKB - Cluster authority sources: New authority services **Knowledge Base to** for MARC-based make it format-agnostic - LD4P Questioning workflows - designed and extend input data Authority with SVDE AIMS capabilities (MARC21, working group and UNIMARC, BF/RDF eg. - Wikidata (initial Stanford's input Sinopia profile etc.) specs by SVDE working groups) Third parties integration Third parties with ILS/LSP - Sinopia integration with - ISNI (initial specs by ILSs/LSPs - local SVDE working groups) Third parties integration library services (eg. with ILS/LSP - FOLIO Alma circulation APIs) Application of Share Family tech to other

domains (Art, Music)

Focus on Authority services

Automatic services for Share Family libraries, piloted by Stanford University:

- validation of MARC 21 bibliographic records (correction of MARC 21 fields and obsolete forms, update of tags and subfields etc.);
- enrichment of MARC 21 fields with SVDE original URIs and URIs from external sources according to ad hoc profiling, including LCNAF, VIAF, ISNI;
- matching processes on external authority files (LCNAF, LCSH, LCGFT, FAST);
- import of authority records from external authority files (LCNAF, LCSH, LCGFT, FAST);
- reporting features providing complete details of the validation and corrections done to the records.

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

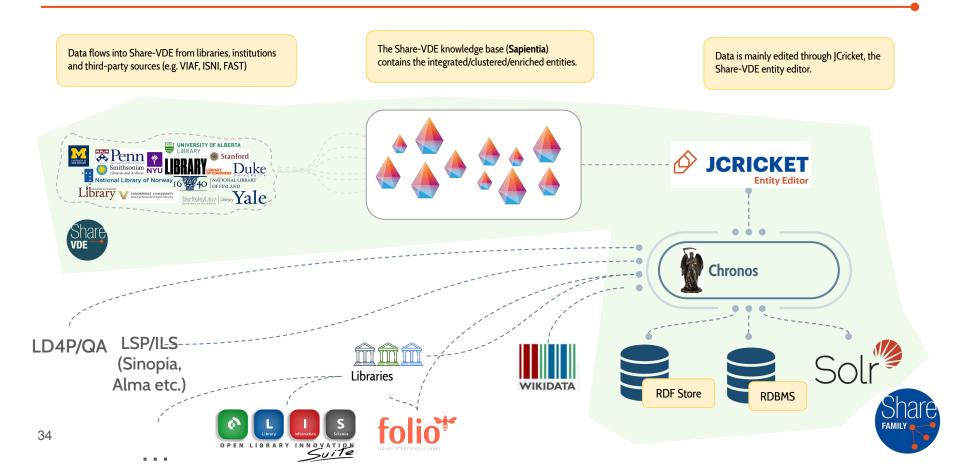


Enhance data quality and authority control

ShareVDE BET	A Explore Pietro Aretino	Simple search Advanced search Editor aretino	
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	1 SEdizione naz		tro Aretino (author)



Third party integration - Outbound Connectors Architecture



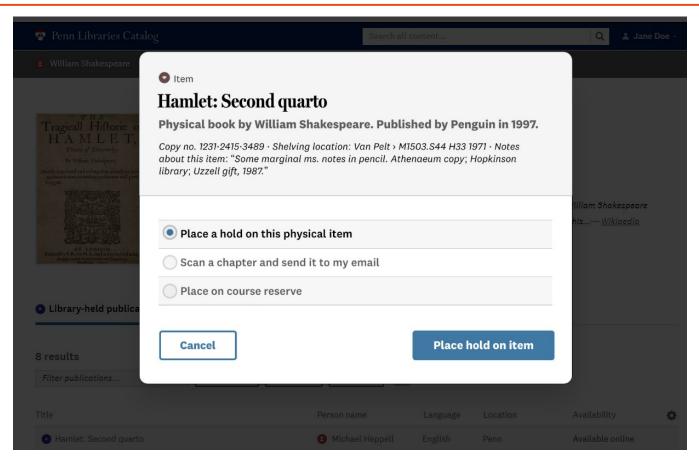
Integration with local services - circulation info

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• Hamlet. A new version [b	y] Rouben Mamoulian	8 Mike McClement	English	Penn	Available online	

Integration with local services, e.g. connection to Alma APIs for <u>University of</u> <u>Pennsylvania</u> <u>circulation services</u>



Integration with local services - lending





SINOPIA integration: high-level milestones

- set-up the connector to fetch data from Sinopia
- ingested subset of Sinopia data from Stanford

now creating the parser so that RDF data coming from Sinopia can be clustered by Share-VDE processes

at the end of this process, Sinopia data will be included in the Share-VDE CKB - Cluster
 Knowledge Base



folio integration: high-level milestones

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





The Entity Management System



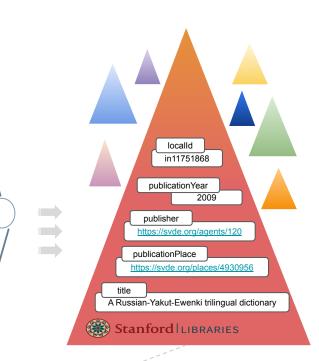
From Library Data to Share-VDE

VDE

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

Stanford LIBRARIES

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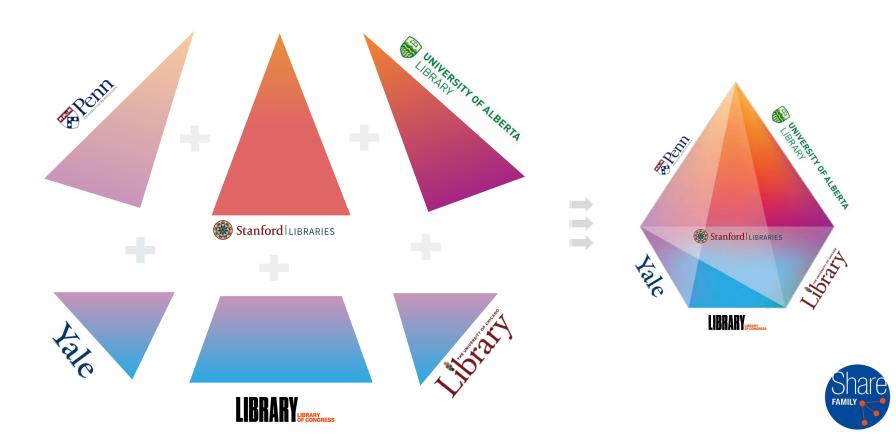


FOLIO instance data is split across the entities that form the Share-VDE domain model. In this example we focus on the properties that are assigned to a Share-VDE instance (red triangle above)

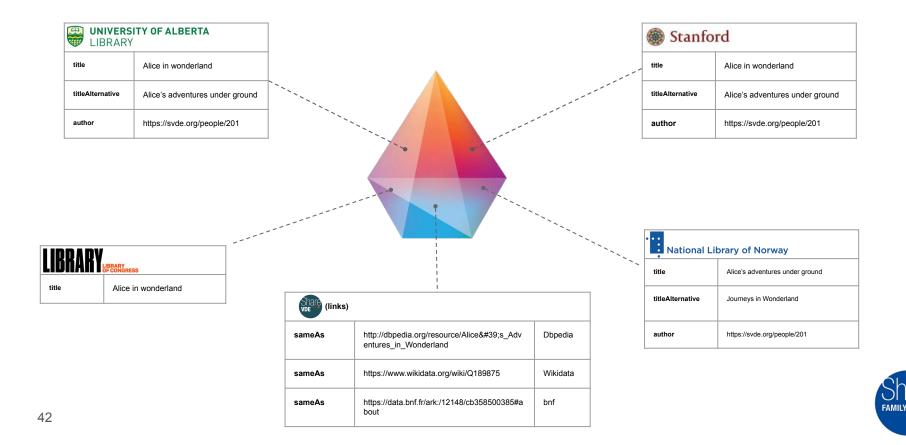


FOLIO instance (or instances in case of massive export) is sent to Share-VDE

Prism, faces: the Share-VDE Entity



Faces (aka Contributions & Provenances)



Properties: Attributes, Relationships, Links





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

 Name
 Provenance

 author
 IBRARY

 Stanford

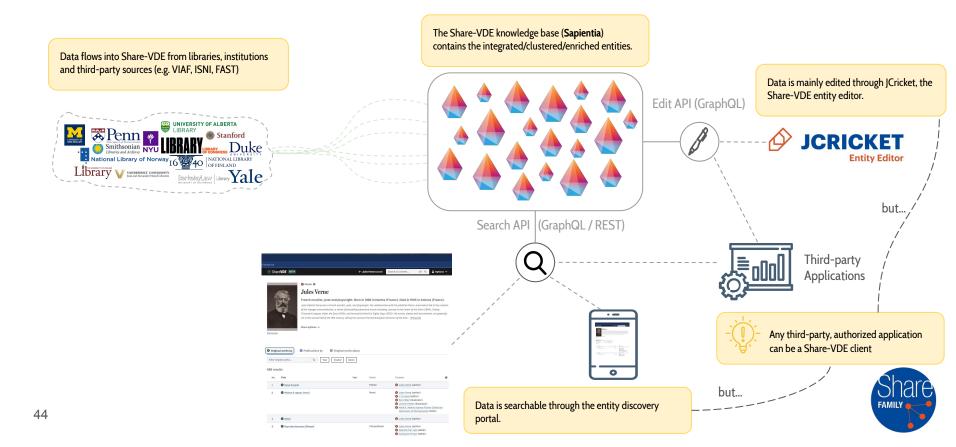
A link is a connection between a Share-VDE Prism and an external reference



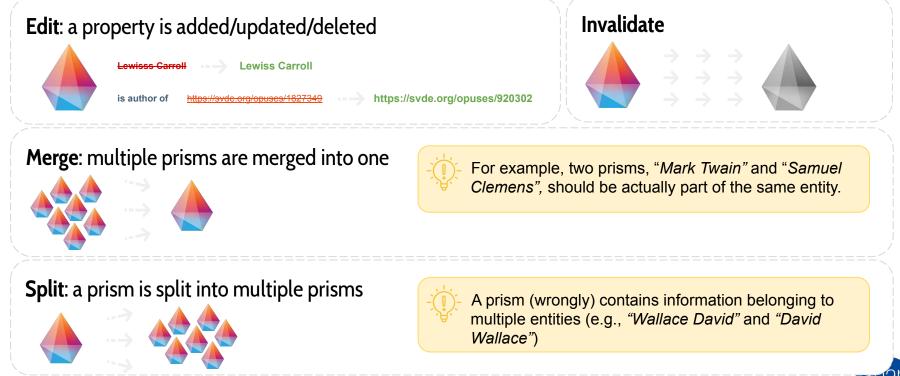


A relationship is a connection between two Share-VDE Prisms

The Big Picture: Genesis, Search, Edit



JCricket: Available Operations





JCricket user interface

ShareVDE BETA			ShareVDE BETA	Dashb
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Step 1: Search on Share-VDE Main Portal	Wikimedia Commons	Edit Add to my merge list		CT ALT
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	Filter original works	https://svde.org/agents/		
Step 2: Enter the entity details page	3 results No. Title	Download the page in th	hese formats	
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wis Carroll (autho red Ludlow Carrol

What JCricket is



- it's a linked data entity / authority 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



 \mathbf{V}

it's a collaborative tool shared across member institutions



it can be a new tool for entity sharing in LOD



What JCricket is not

> not a traditional bibliographic data editor

🗙 🛛 not an original cataloguing tool

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

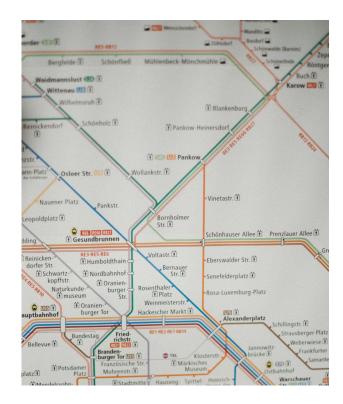


The JCricket editor is an example of how the LOD Platform technology, within the Share Family Linked Data Ecosystem, is pursuing a new way of managing library cataloguing in a cooperative way:

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



Where we are now



- ★ The back-end APIs that manage JCricket behind the scenes are ready
- ★ The respective front-end functions for the end users to actually use JCricket are under development ∠



Useful references:

- JCricket overview

https://wiki.share-vde.org/w/images/7/74/|Cricket_overview_-_2023-Jan-26.pdf

- for more technical details on JCricket
 https://wiki.share-vde.org/w/images/e/e8/ICricket entity editor presentation.pdf
- on how JCricket has been conceived https://wiki.share-vde.org/w/images/b/b3/Share-VDE_perspective_on_Cluster_Knowl

edge Base and Provenance.pdf



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: <u>https://bit.ly/SVDE-discovery-live-demo</u>



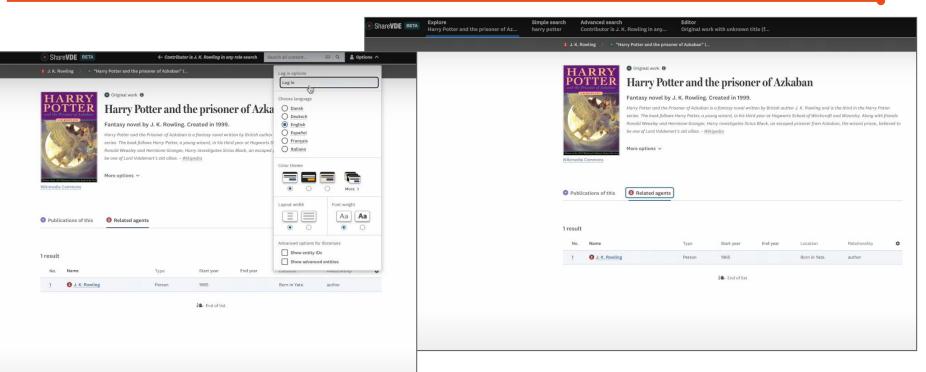
JCricket Editor - examples from the user interface



JCricket features - The user interface

● ShareVDE BETA ← Contributor is J. K. Rowling in any role search Search all content 💷 Q	≗ Options ✓				
💈 J. K. Rowling 🗇 🔹 "Harry Potter and the prisoner of Azkaban" (
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JCricket log-in





JCricket feature selection



JCricket edit

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JCricket edit - open a new entity via ID

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JCricket edit - Multiple entities in one screen

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JCricket edit - languages

60

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O http://sit3-base-svde.atcult.it/work	etadata External IDs				
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R	Related URLs		Qual.:		Access:
61					

rties: outes, ionships,

JCricket edit - Add variant forms

	▲ J. K. Rowling → ● "Harry Potter and the prisoner of Azkabansa
"Harry Potter and the prisoner of Azkaban" (fantasy fiction)	Criginal work
Metadata External IDs	HARRY POTTER Harry Potter and the prisoner of Azkabansas
Basic info	Fantasy novel by J. K. Rowling. Created in 1999.
OpusType (1) 📵	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 witard, in his third year at Hagwarts 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 Voldemar's old allies Wikipedia
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Title (1) 🕘 +	Wikimedia Commons
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English	Filter publications Q. Publication year Publication place Library Language
Harry Potter and the prisoner of <u>Azkabansas</u>	2 results
Danish	Sort by (A - Z) V
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German	Contributors: Ø
Harry Potter and the prisoner of Azkaban	2 ● Hari Poter yeha-asir me-Azkaban (Volume in Hebrew, published in 2000.) Centributors: Ø
	2∎v End of list

Provenances and leader value for end users

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JCricket edit - controlled value list

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	Other	Author
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JCricket edit - search while editing

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JCricket edit - search while editing

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1	8 John Williams		Person	1932		Born in New Y	ork City.
			रेके- End of list				

JCricket edit - search while editing

ShareVDE BETA Explore John Williams Simple search Advanced search

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



• Person • John Williams

American composer, conductor, pianist and trombonist (born 1932). Born in New York City.

John Towner Williams KBE is an American composer, conductor, and pianist. In a career that has spanned seven decades, he has composed some of the most popular, recognizable and critically acclaimed film scores in cinema history. Williams has won 25 Grammy Awards, five Academy Awards, seven British Academy Film Awards, and four Golden Globe Awards. With 53 Academy Award nominations, he is the second most-nominated individual, after Walt Disney. His compositions are considered the epitome of film music, and he is considered among the greatest composers in the history of cinema. – Wikipedia

More options ~

Wikimedia Commons Editor options Edit CTRL+ALT+T Add to editor: Contributor in "Harry Potter and the prisoner of Azkabansas" (Original work)CMD+SHIFT+U Original works by Add to my merge list ALT+SHIFT+M Co Filter original works... Copy URI for this page 2 results https://svde.org/agents/238 Copy No Title o Download the page in these formats O Harry Potter a .ison Around Antige More information related to this person on other websites 2 ill (other) 12 viaf record 20 End of list

JCricket edit - add agent

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JCricket edit - add attribute

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ShareVDE BETA Harry Potter and the prison			ShareVDE BETA Explore Harry Potter and the prisoner		Advanced search Contributor is J. K. Rowling in any	Editor "Harry Potter and the prisoner of A	
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PartName (text)	Harry Potter and the prisoner of Azkaban		RelatedTo (Original work)	Harry Potter and the prisoner	of Azkaban		
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JCricket - create an entity from scratch

"Harry Potter and the prisoner of Azkabansas" (fantasy fiction)		×					
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http://sit3-base-svde.atcult.it/works/463-2 (w463-2)		+		Target audience (1) 🕘 +			Search for an attribute or relationship
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English							Notes (text)
Everyone		+		Add property			First name (text)
							Last name (text)
Add property							Gender (text)

JCricket merge - select merged entities

	No.	Title	Year	Genre	Creators	٥
	8	Around Antigone			 Williams, John (author) Carroll, Adam (Adam Paul) (other) Dodgson, Campbell (other) 	
	9	Musical paintings of Mikalojus Konstantinas Čiurlionis and modernism			 Latimer, Karen (author) Carroll, Adam (Adam Paul) (other) 	
	10	Picturing the players in the pit			 Scholes, Robert E. (author) Carroll, Adam (Adam Paul) (other) 	
	11	The musicians in Balthasar Wigand's depiction of the performance of Haydn's Die Schöpfung, Vienna, 27 march 1808			 Rabkin, Eric S. (author) Carroll, Lewis (other) Carroll, Adam (Adam Paul) (other) 	
~	12	Music in art	1998		 Carroll, Lewis (illustrator) Carroll, Lewis (author) Carroll, Alfred Ludlow (illustrator) Carroll, Adam (Adam Paul) (illustrator) 	
	13	🚳 Su alcuni palazzi folignati dei secoli XVI - XVIII			😫 Carroll, Adam (Adam Paul) (author)	
	14	🚳 Bollettino storico della città di Foligno	1969			
	15	🚳 La B. Angela da Foligno e S. Francesco d'Assisi			Oarroll, Adam (Adam Paul) (author)	
	16	🚳 Indagini a S. Maria in Campis di Foligno			Abbott, Megan (author)	
	17	Amicitiae sensibus				
	18	Scritti in onore di Bernardino Lattanzi per il suo 90 compleanno				
	19	The image of the illuminator			latimer, Karen (author)	
	20	Alchemy and colour			Carroll, Alfred Ludlow (author)	
	21	The trade in colours			O Carroll, Alfred Ludlow (author)	
	22	Oclour (Ausstellungskatalog, 2016)		Catalogs		
	23	Landscape memory			 Slusser, George Edgar (author) Wisser, Katherine M. (author) 	
	24	Divine mushrooms and sacred landscape			Scholes, Robert E. (author)	
	25	Original work with unknown title			Scholes, Robert E. (author)	
	26	Memorial landscapes		Conference materials	Babkin, Eric S. (author)	
	27	Mnemosyne				
	0.0	🙆 Edizione pezionelo delle opere di Distre	1007	Pibliographics	Acotion Distro (author)	
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plore Simple se	arch Advanced search Title does not contain the wo	Editor ˈds xy			↔ My merge list	×
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S Original work r		eator Type			 Su alcuni palazzi folignati dei secoli XVI - XVIII Creators: Carroll, Adam (Adam Paul) (author) 	8
121 results		Year Genre	Creators		 Indagini a S. Maria in Campis di Foligno Creators: Abbott, Megan (author) 	
	(Rezension von:) Lopez, Robert Sabatino: Su e giù per la storia di Genova. Earth moved	1975			Clear list	→ Merge
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	Michelangelo's principles of Panofsky's? : (Rezension von: Michelangelo's design principles, particularly in relation to those of	2020				

JCricket merge - select destination entity

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JCricket merge - select properties

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JCricket merge - select properties

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10	Picturing the players in the pit		 Scholes, Robert E. (author) Carroll, Adam (Adam Paul) (other) 					
1	The musicians in Balthasar Wigand's depiction of the performance of Haydn's Die Schöpfung, Vienna, 27 march 1808		 Rabkin, Eric S. (author) Carroll, Lewis (other) Carroll, Adam (Adam Paul) (other) 					
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14	Bollettino storico della città di Foligno	1969						
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75					Rabkin, Eric S. (author) Carroll, Lewis (other)			

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JCricket - review process

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JCricket split

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The musicians in Balthasar Wigand's depiction of the performance of Haydn's Die Schöpfung,

Vienna, 27 march 1808

Written by Rabkin, Eric S.. Published in Music in art.

More options ∨

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JCricket split - select properties





Thank you!

anna.lionetti@casalini.it

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