



Virtual
Discovery
Environment

Share-VDE Workshop

ALA Annual 2023, Chicago, June 26, 8.30am – 10.30am Central US time

[McCormick Place Convention Center, meeting room W192c](#)

this slide deck: https://bit.ly/SVDE_Workshop2023_slides

recording available at: https://bit.ly/SVDE_Workshop2023_recording

info@svde.org

<https://svde.org>

<https://wiki.svde.org>

<https://www.share-family.org/>

Share-VDE background and the Share Family



Share-VDE and 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.

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.



SUSTAINABLE



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.

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.



OPEN



FLEXIBLE

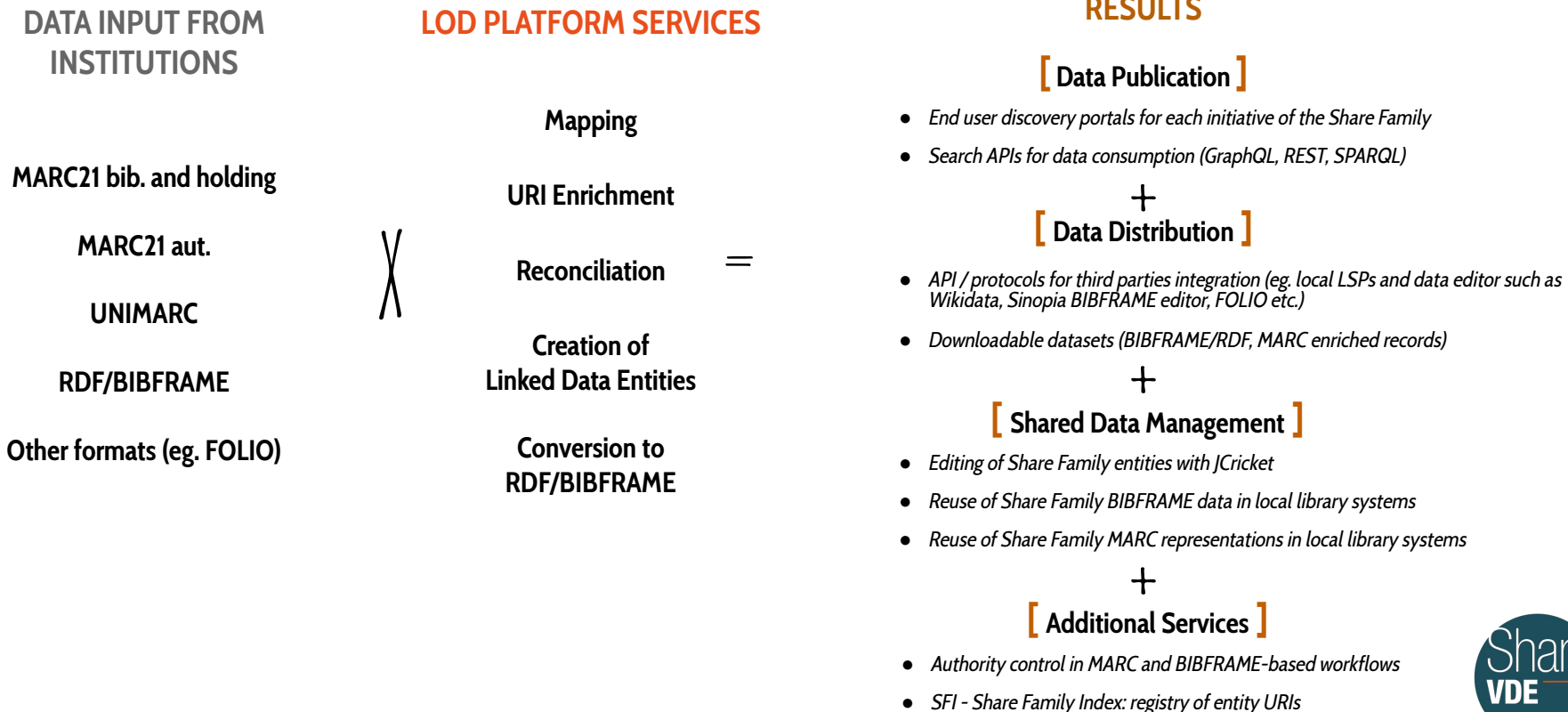
Enriched and structured data can be re-used in local and external systems, across library types and ILS/LSPs, enabling each institution to maintain control of its own catalogue data.

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

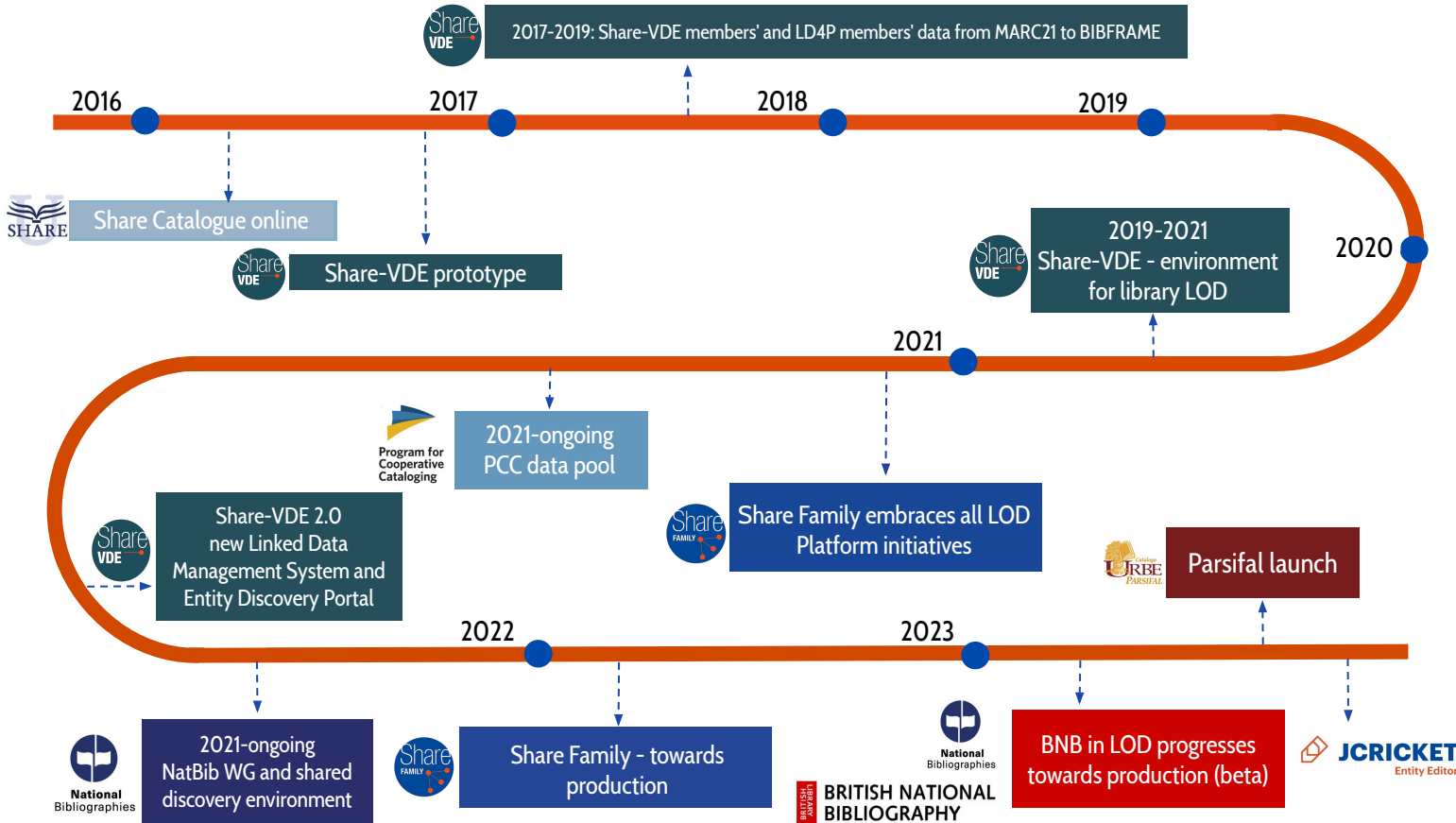


AUTHORITATIVE

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



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 (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
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

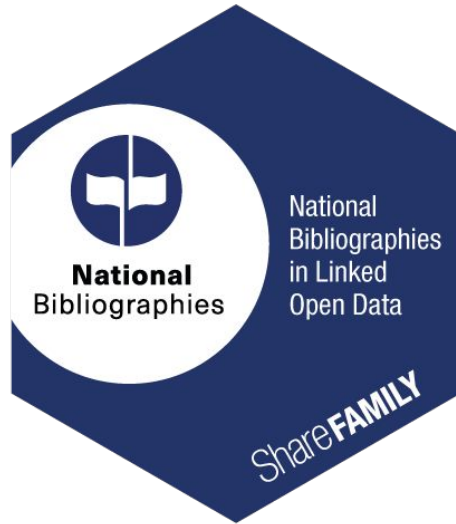
Università degli Studi del Salento

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/>

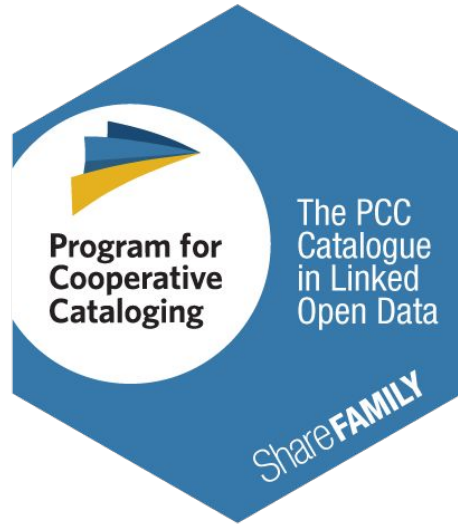
The aggregation of data from National Bibliographies in a shared entity discovery environment; the first of these is the BNB - British National Bibliography, soon to go into production.



The 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

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

Today's agenda

Introduction of initiatives

Use case and models for participation

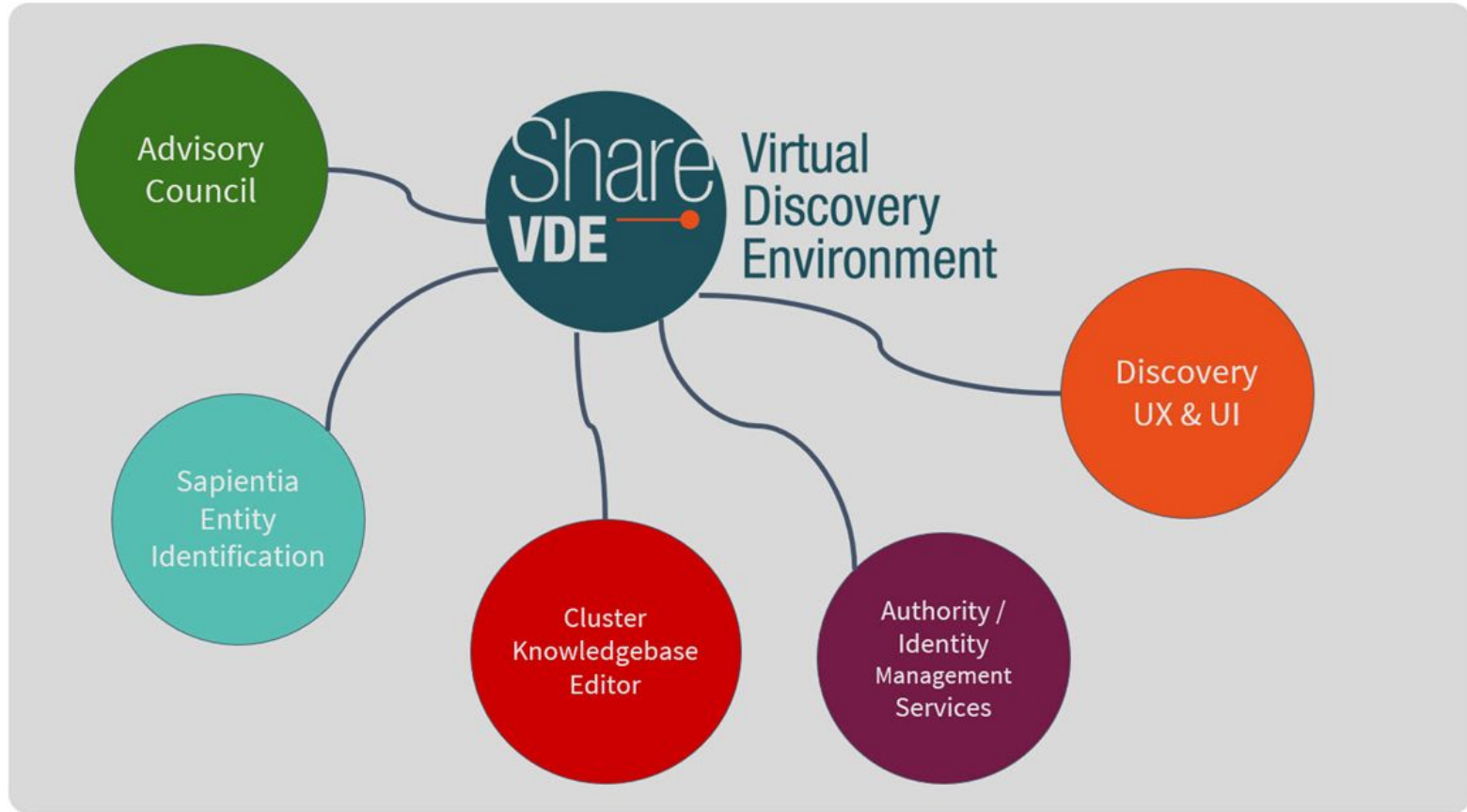
Future perspectives and JCricket demo

Wrap up

Introduction of Initiatives



Share-VDE Groups



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 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
- Sapiientia Entity Identification WG
- Authority/Identifier Management Services WG
- Cluster Knowledge Base Editor WG
- User experience/User Interface WG



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-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, illustrating the explanation of 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.

Authority/Identifier Management Services WG

The [AIMS WG](#) 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.

Among the latest outcomes:

- 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.

National Bibliographies WG

The [National Bibliographies Working Group](#) 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.

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 (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: <https://natbib-lod.org/>;
- 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 features.

Cluster Knowledge Base Editor WG

The [CKBE WG](#) 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.

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 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.

Among the latest outcomes:

- layers in SVDE entity model: `svde:Opus` | `svde:Work`;
- `svde:Work` is subclass 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.

User Experience/User Interface WG

The [UX-UI WG](#) 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.

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

Discovery Environment(s)

The screenshot shows the ShareVDE BETA logo at the top. Below it, the text reads "Search for people, original works and publications" with an example: "e.g. Jules Verne or Around the world in 80 days". A search bar contains the text "e.g. small island andrea levy". Below the search bar are buttons for "Language", "Year", and "Type". The text "Advanced search" is centered below the buttons. At the bottom, it says "Explore Share-VDE member libraries' linked open data entities created in BIBFRAME" and "Learn more Options ▾".

Standard Share-VDE portal -
<https://www.svde.org/>

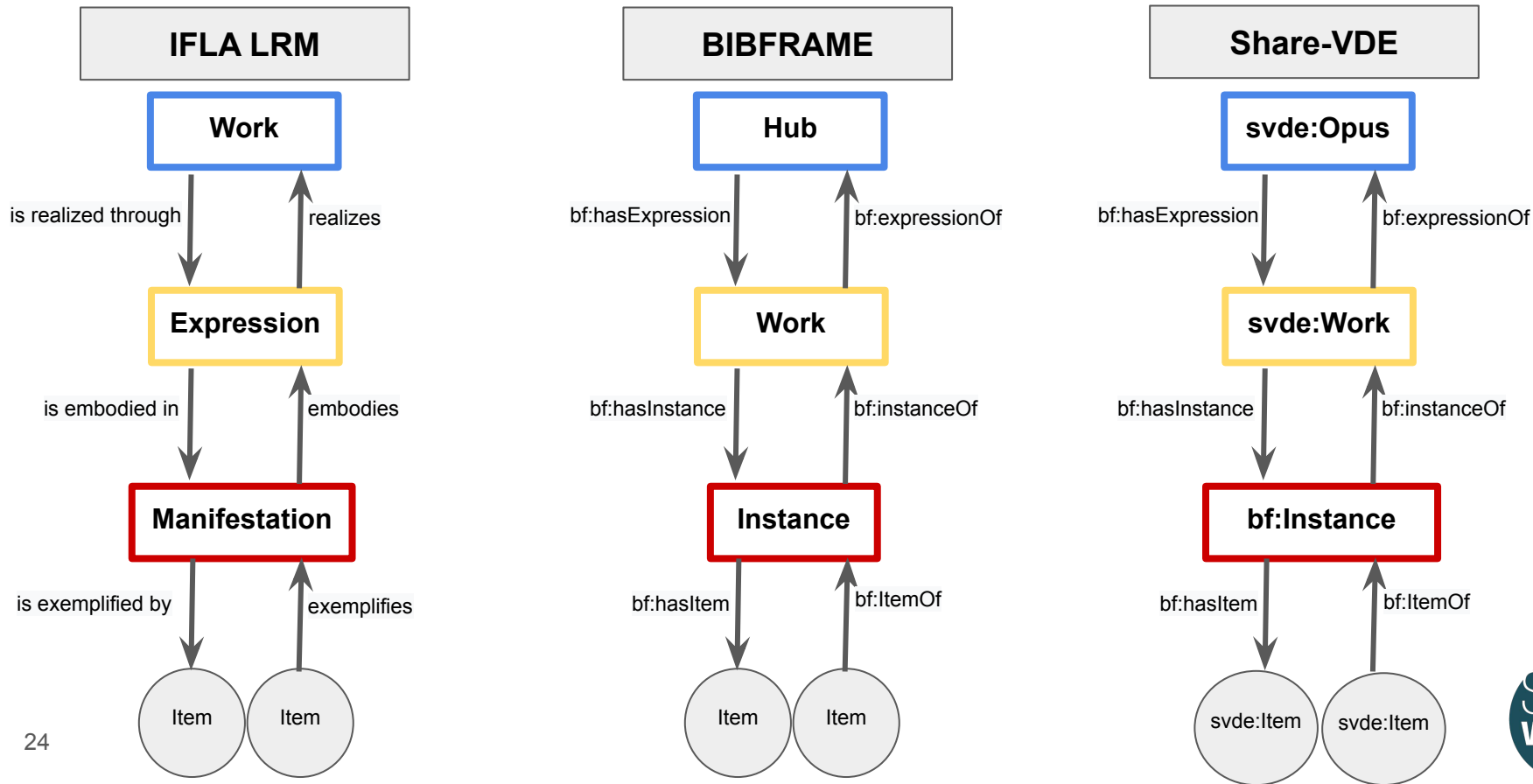
The screenshot shows the National Bibliographies logo at the top. Below it, the text reads "Search for people, original works and publications" with tabs for "Publications", "Original works", and "People and organizations". A search bar contains the text "e.g. small island andrea levy". Below the search bar are buttons for "Language", "Year", and "Type". The text "Advanced search" is centered below the buttons. At the bottom, it says "Explore books and journals created in BIBFRAME by the Share Family Initiative, which houses linked open data National Bibliographies from a pool of international libraries." and "Learn more Options ▾".

National Bibliographies'
portal -
<https://natbib-lod.org/>

The screenshot shows the BRITISH NATIONAL BIBLIOGRAPHY BETA logo at the top. Below it, the text reads "Search for people, original works and publications" with tabs for "Publications", "Original works", and "People and organizations". A search bar contains the text "e.g. small island andrea levy". Below the search bar are buttons for "Language", "Year", and "Type". The text "Advanced search" is centered below the buttons. At the bottom, it says "Explore linked open data for books and journals published or distributed in the United Kingdom and Ireland since 1950, and electronic publications since 2013" and "← Back to British Library Learn more Options ▾".

British National Bibliography's
skin - <https://bl.natbib-lod.org/>

Outdated - under discussion



JCricket Editor - The Entity Management System


← → Edit: "Isaiah Thomas" - Share-VDE

Share-VDE

Isaiah Thomas > Edit

Manual review needed - This cluster was automatically created and is likely in need of manual review [Verify this](#) ×



Person
Isaiah Thomas



Cluster metadata **Connected external IDs** **Actions**

Source	ID	Name	Born	Died	Confidence
OCLC	2131241	Isaiah Thomas	1989		Manually added by Anna Doe 4 months ago (June 2)
VIAF	15684Y9	Isaiah Thomas	1989		Automatically added on June 2nd, 2021 at 04:32PM
LC	8925663	Isaiah Thomas	1989		Automatically added on June 2nd, 2021 at 04:32PM
Wikidata	Q55322233	Isaiah Thomas	1773	1819	Automatically added on June 2nd, 2021 at 04:32PM

SUGGESTION

 **Isalah Thomas** (or Isalah Jamar Thomas)
American basketball player · Born 1989 · [Q336030](#)  [Add this](#)

[Add another external URI](#)



← → Connect external IDs - Share-VDE



Share-VDE



Connect to external IDs


Name

OCLC VIAF Wikidata LC GND BNF Other...

 **Isalah Thomas** (or Isalah Jamar Thomas)
American basketball player · Born 1989
[Q336030](#) 

 **Isalah Thomas** (or Isalah Thomas, Sr. · I. Thomas · I. T. · I.)
Massachusetts printer, publisher and journalist · 1749-1831
[Q15503493](#) 

 **Isalah Thomas** (or Isalah Thomas, Jun. · I. Thomas, Jun.)
(1773-1819) · 1773-1819
[Q55322233](#) 

+ Create new wikidata item for "John Doe" 

Wikidata item [Q336030](#)

This Wikidata entity has a potential duplicate on Wikidata [Review for merge](#)

Isalah Thomas
American basketball player
1954-2017

Sex or gender
Male

Country of citizenship
United States of America

Country for sport
United States of America

Birth name
Isalah Jamar Thomas (English)

Date of birth
7 February 1989

Place of birth
Tacoma

Occupation
Basketball player

Position played on team / speciality
Point guard

[Connect to this ID](#)

[Done](#)

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
- ✓ 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)

SHARE Catalogue

an integrated catalogue for the Academic Libraries of Southern Italy

SHARE Catalogue was created as part of the **SHARE (Scholarly Heritage and Access to Research)** project. It was based on a specific inter-university agreement for library services, to put in place the 2013-2015 three-year program. Part of this larger program was the creation of an integrated system for the use and management of resources among the different Academic Libraries of Southern Italy.

SHARE Catalogue went online in **2016** as the technology platform for browsing library catalogues organised according to the BIBFRAME model. The portal, a single point of access to the entirety of the integrated resources (books, serials, etc.), saves time and refines the search experience modes, returning results enriched by sources outside the catalogues.

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)

From LOD Platform 1.0 to 2.0

The screenshot displays the SHARE Catalogue interface for the profile of Benedetto Croce. The top navigation bar includes 'Libraries | Info | Contacts' and a language selector. The main search area shows 'Search Person/Family/Corporate body' with 'Person' selected. The profile page for Benedetto Croce (1866-1952) features a portrait, a list of 'Other name forms', a Wikipedia snippet, and a list of 'Original works by'. A red arrow points from the top navigation bar to the profile page.

Other name forms

- Croce, Benedetto <1866-1952>
- Croce, Benedetto
- Croce, B. 1866-1952 Benedetto
- Croce, Benedetto (Italian historian, critic, and philosopher, 1866-1952)
- Benedetto Croce
- 1866-1952 10132 173717
- Кроче, Б. 1866-1952 Бенедетто
- Benedetto Croce filosofo, storico e politico italiano
- Croce, Benedetto, 1866-1952
- Croce Benedetto 1866-1952
- Croce Benedetto 1860-1952
- Croce, Benedetto
- CROCE, Benedetto <1866-1952>
- CROCE, Benedetto
- Croce, Benedetto, 1866-1952
- Croce, Benedetto 1866-1952
- CROCE Benedetto
- Croce Benedetto

Wikipedia

Benedetto Croce (Italian: [beneˈdɛtto ˈkroːtʃe]; 25 February 1866 – 20 November 1952) was an Italian idealist philosopher, historian, and politician who wrote on numerous topics, including philosophy, history, historiography and aesthetics. In most regards, he was a liberal, although he opposed both laissez-faire and free trade. Croce had considerable influence on other Italian intellectuals, including both the Marxist Antonio Gramsci and the Italian Fascist Giovanni Gentile.

Original works by

Filter original works... [Q] [Year] [Creator] [Genre]

464 results

No.	Title	Year	Genre	Creators
1	Storia d'Europa nel secolo decimonono			<ul style="list-style-type: none"> Benedetto Croce (author) Viola Wahlstedt-Markelius (other) Gotham Book Mart Collection (University of Pennsylvania) (other) Ivar Harrie (other) Giuseppe Galasso (other) Karl Vossler (other) Richard Peters (other) Henry François Amédée Furst (other)
2	Storia come pensiero e come azione. English			<ul style="list-style-type: none"> Benedetto Croce (author) Sylvia Saunders Sprigge (other)

<https://catalogo.share-cat.unina.it/sharecat/clusters>



Working Group on UNIMARC to BIBFRAME 2.0 Crosswalk

The **Italian Working Group on UNIMARC to BIBFRAME 2.0 Crosswalk** was established as part of the SHARE Catalogue project. Its main objective is to carry out a "direct" mapping between UNIMARC and BIBFRAME 2.0 without relying on MARC 21 as an intermediary. The working group is coordinated by Claudio Forziati (Università degli Studi di Napoli "Federico II").

Recent results:

- analysis of the differences between UNIMARC and MARC 21 and mapping of the two formats;
- first mapping step between UNIMARC and BIBFRAME 2.0;
- assessment and review of the first mapping result, with particular attention to the definition of the model entities;
- second phase of mapping (still in progress).

Working Group on UNIMARC to BIBFRAME 2.0 Crosswalk

UNIMARC/MARC 21 mapping

A	H	I	J	K	
Etichetta	Valori	MARC21	Indicator 1	Indicator 2	MARC
300 - General notes		500 - General Note (R)			
300 - General notes		500 - General Note (R)	# - Undefined	# - Undefined	
300 - General notes		500 - General Note (R)			\$a - Ge
300 - General notes		500 - General Note (R)			\$3 - Me
300 - General notes		500 - General Note (R)			\$5 - Ins
300 - General notes		500 - General Note (R)			\$6 - Lir
300 - General notes		500 - General Note (R)			\$8 - Fik
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)	# - Undefined	# - Undefined	
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			\$a - Ge
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			\$3 - Me
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			\$5 - Ins
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			\$6 - Lir
301 - Notes Pertaining to Identification Numbers		500 - General Note (R)			\$8 - Fik
302 - Notes Pertaining to Coded Information		500 - General Note (R)			
302 - Notes Pertaining to Coded Information		500 - General Note (R)	# - Undefined	# - Undefined	
302 - Notes Pertaining to Coded Information		500 - General Note (R)			\$a - Ge
302 - Notes Pertaining to Coded Information		500 - General Note (R)			\$3 - Me
302 - Notes Pertaining to Coded Information		500 - General Note (R)			\$5 - Ins
302 - Notes Pertaining to Coded Information		500 - General Note (R)			\$6 - Lir
302 - Notes Pertaining to Coded Information		500 - General Note (R)			\$8 - Fik
303 - General Notes Pertaining to Descriptive Information		500 - General Note (R)			
303 - General Notes Pertaining to Descriptive Information		500 - General Note (R)	# - Undefined	# - Undefined	
303 - General Notes Pertaining to Descriptive Information		500 - General Note (R)			\$a - Ge

Working Group on UNIMARC to BIBFRAME 2.0 Crosswalk

UNIMARC/BIBFRAME 2.0 mapping

UNIMARC	MARC21 FIELDS	ATTRIBUTE	NOTES
	Fields 5XX - Notes - v1.6, 06/01/2021		
300 - General Note 305 - Notes Pertaining to Edition and Bibliographic History	500 - GENERAL NOTE (R) Subfield Codes	I - note - Note	
a - Text of Note	\$a - General note (NR)		
316 - Note Relating to the Copy in Hand	501 - WITH NOTE (R) Subfield Codes	I - note - Note rdf:type rdf:resource="http://id.loc.gov/vocabulary/mnotetype/with"	MODIFIED
a - Text of Note	\$a - With note (NR)		
320 - Internal Bibliographies/Indexes Note	504 - BIBLIOGRAPHY, ETC. NOTE (R) Subfield Codes	I - supplementaryContent - SupplementaryContent	MODIFIED (MOVED FROM WORK TO INSTANCE)
a - Text of Note	\$a - Bibliography, etc. note (NR) \$b - Number of references (NR)		
/	506 - RESTRICTIONS ON ACCESS NOTE (R) Subfield Codes	I - usageAndAccessPolicy - AccessPolicy	
/			

SHARE Catalogue/Wikidata Working Group

















The **SHARE Catalogue-Wikidata Working Group** aims to improve the data quality of the Cluster Knowledge Base (CKB) using certain "data control" tools of Wikidata. The working group is coordinated by Claudio Forziati (Università degli Studi di Napoli "Federico II").

Work phases:

- Uploading agent clusters to Wikidata (Mix'n'match: catalogue author 1-399999, catalogue author 400000-699999);
- Automatic and manual associations with entities already existing in Wikidata;
- Checking for exceptions to single value constraints using specific SPARQL queries;
- Identification of cases requiring intervention;
- Manual cleaning of catalogues.

An example of SHARE Catalogue entity in Wikidata

The SHARE Catalogue property in Wikidata Frederick II, Holy Roman Emperor

SHARE Catalogue author ID	 437086 	 edit
	 0 references	 add reference
	 393684 	 edit
	 0 references	 add reference
	 401869 	 edit
	 0 references	 add reference
		 add value

Parsifal - Participating libraries (Unione Romana Biblioteche Ecclesiastiche)



Pontificia Università
Antonianum



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
Roma

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 di Scienze
dell'Educazione Auxilium



Pontificia Facoltà
Teologica Marianum



Centro Pro Unione

Parsifal - A new ecosystem to achieve virtuous cooperation

PARSIFAL responds to the need identified by the Rectors of the Roman Pontifical Universities to equip their institutions' libraries with a highly innovative search engine, bringing together bibliographic data and authority items from the 17 participating URBE libraries in a dedicated portal that provides a single access point to the libraries' vast patrimony of resources: the portal counts about 3 million records to date, and is updated weekly or daily, allowing users to benefit from a streamlined, efficient, research experience, with results enriched by sources from individual catalogues.

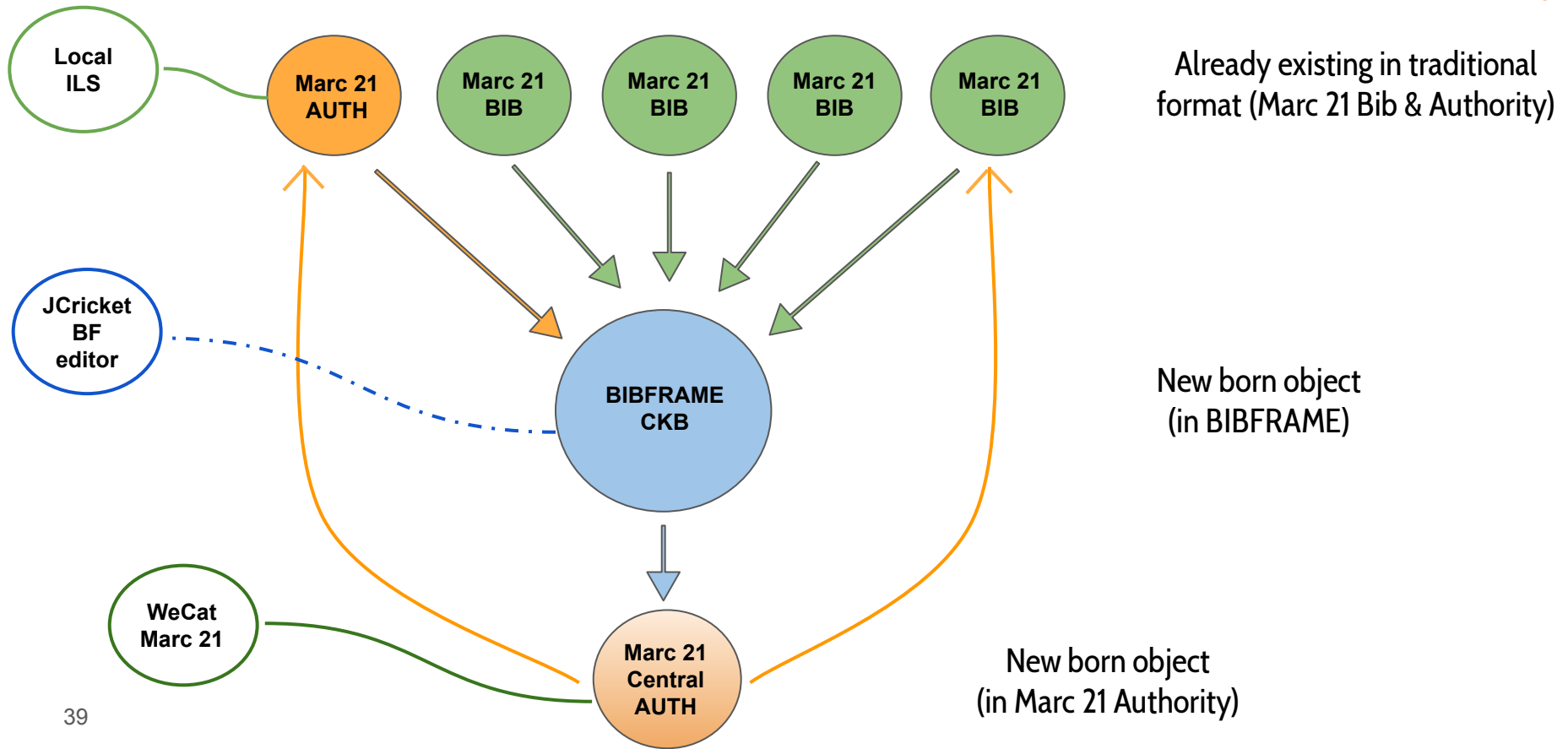
Created according to the **BIBFRAME** bibliographic model, with extensions to ensure compatibility with the **IFLA LRM** (Library Reference Model), an integral part of the RDA guidelines in use across the URBE network since 2017, the technological platform is a component of the **Share Family** initiative.

Parsifal - The goal of steering a motley audience



The name of the portal, **Parsifal**, is a symbolic reference to the central figure in the myth of the Grail, narrated for the first time in *Perceval* (a chivalric poem by Chrétien de Troyes) and subsequently expanded by the German, Wolfram von Eschenbach, in his work *Parzival*; this nod to the Arthurian legend and young Parsifal's quest for the Grail reflects the platform's primary objective of helping users in their search to find, identify, select, obtain and navigate information on works, creators and their relationships.

The delighted coexistence of MARC 21 and BIBFRAME



Strengths of Parsifal project

- The opportunity to ground a **cooperative environment**: the harmonization of cataloguing practices through the “**Cataloguing Board**”
 - Rules to choose the preferred form of the Agent cluster’s name, in case of heterogeneous forms
 - [Franciscus Assisiensis, santo, 1182-1226](#)
 - [Benedictus a sancto Philadelpho O.F.M., s., 1526-1589](#)
 - Rules to normalizing the preferred form of the Agent cluster
 - Gandulphus Bononiensis, sec. XII **becomes** [Gandulphus Bononiensis, secolo 12](#)
 - Abbo Floriacensis, s., ca.945-1004 **becomes** [Abbo Floriacensis, santo, circa 945-1004](#)

Strengths of the Parsifal project

- Share knowledge and experience: **URBE Central Authority Catalogue:**
 - all Parsifal clusters have been exported to BIBFRAME and converted to MARC 21 format to be loaded into the WeCat cataloguing module.
 - **WeCat/Authority:** a shared tool to guarantee quality data. Each library accesses the same WeCat to increase the quality level of the catalogue. The authority record related to the Agent cluster is published on the Parsifal portal:
 - https://parsifal.urbe.it/parsifal/searchNames?n_cluster_id=76560
- Not only MARC 21: the publication of **BIBFRAME data**
- A practical approach to test the **bf:Hub**
 - https://parsifal.urbe.it/parsifal/searchTitles?t_cluster_id=73295&l=en
- A moving project: the publication of the **URBE Academic Bibliography** and the connection to **Wikidata**

Weaknesses of the Parsifal project

- Cooperation weakness: **data discrepancy and the impact on clustering**
 - many name forms coincided matching common titles:
 - [Baccarani, Alfonso Maria, O.S.M., 1922-1998](#)
 - [Abrescia, Domenico M., O.P., 1922-1996](#)
- Open questions on **how to overcome clustering/identification issues**
 - *Cola di Rienzo* in Parsifal (ID [39891](#) and ID [284134](#))

Weaknesses of the Parsifal project

- The new local/central workflow: the challenge of handling complexity and the foundation for **a new approach to workflow management**
- How to align the **center** with the **peripheral nodes**: the **Parsifal CKB** (in BIBFRAME) together with the **Central Authority Catalogue** (in Marc 21) as the heart of the Parsifal ecosystem. But a commlink with each library is therefore needed.

How to align the center with the peripheral nodes

The **Parsifal CKB** (in BIBFRAME) together with the **Central Authority Catalogue** (in Marc 21) as the heart of the Parsifal ecosystem. But a commlink with each library is therefore needed.

1	2	3	4	5	6	7
Cluster ID	Parsifal preferred form	Provenance	Central Authority ID	Local Authority ID	Bib. Record ID	Cluster Status
868633	Lackberg, Camilla	AFC	000000812923			Inattivo
868770	Bolshakoff, Sergej Nikolaevič 1901-1990	PUG			000000079749	Attivo
868770	Bolshakoff, Sergej Nikolaevič 1901-1990	PUG			000000383941	Attivo
868770	Bolshakoff, Sergej Nikolaevič 1901-1990	PUG			000000131005	Attivo
868771	Vitosins'ka, Ol'ha, 1908-2000	PUG			000000079856	Attivo
868772	Johann Just Erythropel attivo 1680-1704	PUG			000000080664	Attivo
868773	Schmidt, Rudolf Traugott, 1815-1893/94	PUG			000000081341	Attivo
868774	Webber, Mark, 1964-	PUG			000000392088	Attivo
868774	Webber, Mark, 1964-	PUG			000000457050	Attivo
868775	Macaulay, Catharine, 1731-1791	PUG			000000456591	Attivo
868776	Skjönsberg, Max, 1987-	PUG			000000456591	Attivo
868777	Commisso, Giuseppe, sacerdote, 1980-	PUG			000000456612	Attivo
868778	Bellizzi, Antonella, 1977-	PUG			000000456614	Attivo
868779	Costantino, Giovanni, sacerdote, 1966-	PUG			000000456615	Attivo
868780	Dabiré, Doniku Sylvain, sacerdote, 1966-	PUG			000000456617	Attivo
868782	Le collezioni in biblioteca: nuovi approcci per un elemento di im	PUG			000000457028	Attivo
868783	Urru, Patrick	PUG			000000457028	Attivo
868784	Morgado, Miguel, 1974-	PUG			000000457030	Attivo
868785	Pachá, Paulo	PUG			000000457031	Attivo
868786	Weinberger, Jerry, 1944-	PUG			000000457032	Attivo
868787	Zinman, M. Richard, 1943-	PUG			000000457032	Attivo
868788	Marchesi, Fabio	PUG			000000457033	Attivo
868789	Roch, Jean-Louis, 1947-	PUG			000000457034	Attivo
868790	Dalton, Lisle W.	PUG			000000457035	Attivo
868791	Mazur, Eric Michael, 1965-	PUG			000000457035	Attivo
868792	Callahan, Richard J., 1967-	PUG			000000457035	Attivo
868793	Bloesch, Sarah J.	PUG			000000457036	Attivo
868794	Minister, Meredith, 1983-	PUG			000000457036	Attivo
868795	Roberts, Alan	PUG			000000457041	Attivo
868796	Matthiesen, Toby, 1984-	PUG			000000457042	Attivo
868797	Oliveira, Vanessa S., 1980-	PUG			000000457044	Attivo

An example of daily reports sent to libraries:

1. New clusters by source (new clusters produced by local bib delta and by the Central Authority Catalogue delta).
2. Updated clusters by source (updated clusters by local bib delta and by the Central Authority Catalogue delta).
3. Inactive clusters by source.
4. Discarded records by source.
5. Deleted records in the Central Authority Catalogue



Please, explore the first version of the site! *(still in progress)*

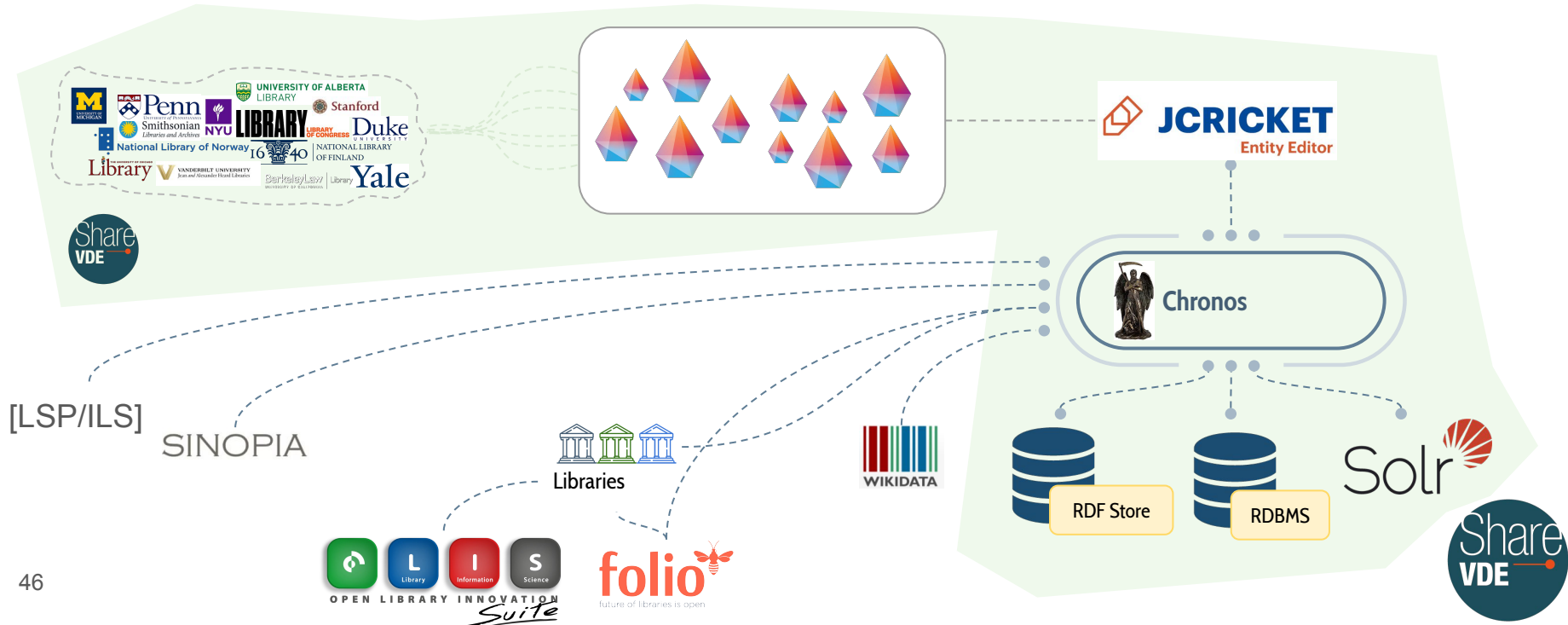
The screenshot displays the Parsifal website interface. At the top, a dark red navigation bar contains the following links: HOME, SEARCH HISTORY, LIBRARIES, INFO, USER GUIDE, CONTACTS, IT, and EN. Below the navigation bar, the website features a search area with the logo for 'Catalogo URBE PARSIFAL' on the left. To the right of the logo are three search input fields labeled 'Name', 'Work', and 'Publication'. Below these fields are icons for a magnifying glass, a keyboard, and a speech bubble. A horizontal menu below the search area includes 'ENTITY SEARCH', 'SIMPLE SEARCH', 'ADVANCED SEARCH', and 'AUTHORITY FILES'. The main content area shows a manuscript page with two columns of text in a Gothic script. The left column begins with 'Es morgen vor der beste' and the right column begins with 'E Sibile vor der star'. At the bottom of the page, a red button labeled 'KEEP READING' is visible.

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.



FOLIO Integration: high-level milestones

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 Share-VDE Ontology



Special Thanks

I'd like to begin by acknowledging the work of the Share-VDE SEI group for their collaborative editing of the Share-VDE Ontology. The efforts for a version one took about six months of collaboration.

Casalini Libri/@Cult Tiziana Possemato, Anna Lionetti
Library of Congress Kevin Ford, Nate Trail
National Library of Finland Marja-Liisa Seppälä
National Library of Medicine Nancy Fallgren
National Library of Norway Oddrun Ohren, Trine Adolfsen
New York University Charlene Chou, Everett Allgood, Matthew Wise, Alexander Whelan
Smithsonian Libraries and Archives Jackie Shieh
Stanford University Libraries Nancy Lorimer
The British Library Alan Danskin, Corine Deliot
University of Alberta Library Ian Bigelow
University of Chicago Libraries Thomas Dousa
University of Pennsylvania Jim Hahn, Chair
Vanderbilt University Alicia C. Zalusky
Yale University Youn Noh, Timothy Thompson

The Share-VDE Ontology

The Share-VDE Ontology is developed as an extension to BIBFRAME.

Goals



1) use web ontology language (OWL) to publish the classes, properties and constraints that are used in the Share-VDE environment;



2) clarify the relationship among Share-VDE entities and other linked data vocabularies and



3) provide internal (to Share-VDE) and external (to BIBFRAME) consistency and clarity to classes and properties used in Share-VDE.

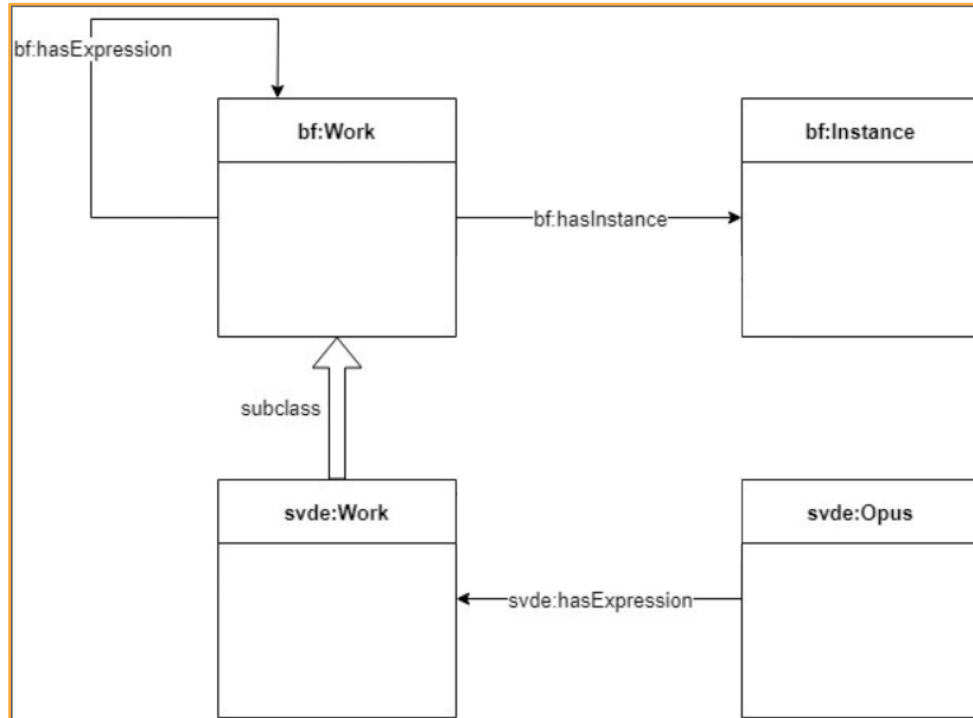
Principles

An overarching design principle is to re-use existing vocabularies wherever possible to reduce complexity of the Share-VDE ontology.

Editing the ontology

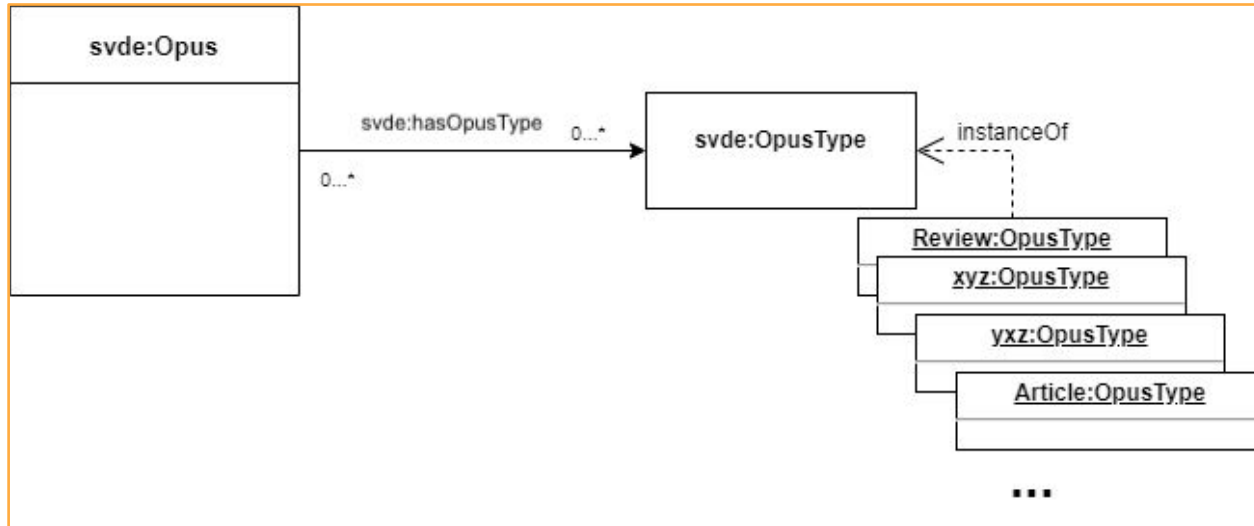
The ontology editing process began by evaluating existing Share-VDE classes and documenting in OWL; moving next to properties; finally, the process concluded by evaluating any needed restrictions for entities.

Conceptual Diagrams to OWL RDF/XML



Core model:
svde:Work,
svde:Opus,
svde:hasExpression

Conceptual Diagrams to OWL RDF/XML



Core model:
`svde:OpusType`,
`svde:hasOpusType`

Share-VDE RDF/XML Core Class

```
<!-- https://svde.org/ontology/Work -->
```

```
<Class rdf:about="https://svde.org/ontology/Work">  
  <rdfs:subClassOf rdf:resource="http://id.loc.gov/ontologies/bibframe/Work"/>  
  <rdfs:label>Work</rdfs:label>  
  <skos:definition>The svde:Work is defined by a constellation of elements representing the  
specific intellectual or artistic form that an Opus takes each time it is "realised."  
Individuals of the class svde:Work hold an Opus entity identity.</skos:definition>  
  <svde:closeMatch rdf:resource="http://iflaststandards.info/ns/lrm/lrmer/E3"/>  
  <svde:closeMatch rdf:resource="http://rdaregistry.info/Elements/c/C10006"/>  
</Class>
```


Share-VDE RDF/XML Core Class

```
<!-- https://svde.org/ontology/Opus -->
<Class rdf:about="https://svde.org/ontology/Opus">
  <disjointWith rdf:resource="https://svde.org/ontology/Work"/>
  <terms:relation rdf:resource="http://id.loc.gov/ontologies/bibframe/Hub"/>
  <rdfs:label>Opus</rdfs:label>
  <skos:definition>The svde:Opus is a distinct conceptual outcome of artistic or
intellectual activity. The highest level of abstraction in Share-VDE, an Opus is an entity
that permits the grouping of works that are considered functional or near equivalents. The
Opus is defined by a constellation of elements that form the shared content of works and
provides a grouping for svde:Work entities.</skos:definition>
  <skos:note>The svde:Opus class is not the same as the bf:Hub class.</skos:note>
  <skos:scopeNote>The Opus may be a piece of art, literature, music, a scientific result, or
a creation within some other artistic or intellectual domain.</skos:scopeNote>
  <svde:closeMatch rdf:resource="http://iflastandards.info/ns/lrm/lrmer/E2"/>
  <svde:closeMatch rdf:resource="http://rdaregistry.info/Elements/c/C10001"/>
</Class>
```

Share-VDE RDF/XML Core Class

```
<!-- https://svde.org/ontology/Opus -->
```

```
<Axiom>
```

```
  <annotatedSource rdf:resource="https://svde.org/ontology/Opus"/>
```

```
  <annotatedProperty rdf:resource="http://purl.org/dc/terms/relation"/>
```

```
  <annotatedTarget rdf:resource="http://id.loc.gov/ontologies/bibframe/Hub"/>
```

```
  <skos:comment>While the bf:Hub and svde:Opus are not the same, there is a  
  relation among these classes in the sense they gather bf:Work entities by  
  bf:hasExpression/svde:hasExpression, respectively.</skos:comment>
```

```
</Axiom>
```

Share-VDE RDF/XML Core Class

```
<!-- https://svde.org/ontology/OpusType -->  
  
<Class rdf:about="https://svde.org/ontology/OpusType">  
  <rdfs:label>OpusType</rdfs:label>  
  <skos:definition>Individuals of the OpusType class support identification of  
Opus categories.</skos:definition>  
</Class>
```

Share-VDE RDF/XML Object Properties

```
<!-- https://svde.org/ontology/hasOpusType -->
```

```
<ObjectProperty rdf:about="https://svde.org/ontology/hasOpusType">  
  <rdfs:subPropertyOf rdf:resource="https://svde.org/ontology/hasType"/>  
  <rdfs:domain rdf:resource="https://svde.org/ontology/Opus"/>  
  <rdfs:range rdf:resource="https://svde.org/ontology/OpusType"/>  
  <rdfs:label>hasOpusType</rdfs:label>  
</ObjectProperty>
```

Share-VDE RDF/XML Object Properties

```
<!-- https://svde.org/ontology/hasType -->
```

```
<ObjectProperty rdf:about="https://svde.org/ontology/hasType">
```

```
  <rdfs:subPropertyOf
```

```
  rdf:resource="http://rdaregistry.info/Elements/u/P60944"/>
```

```
  <rdfs:label>hasType</rdfs:label>
```

```
  <skos:definition>The svde:hasType is an intermediate property that may be  
specialized by entity.</skos:definition>
```

```
</ObjectProperty>
```

Share-VDE RDF/XML Object Properties

```
<!-- https://svde.org/ontology/hasExpression -->
```

```
<ObjectProperty rdf:about="https://svde.org/ontology/hasExpression">  
  <rdfs:domain rdf:resource="https://svde.org/ontology/Opus"/>  
  <rdfs:range rdf:resource="https://svde.org/ontology/Work"/>  
  <rdfs:label>hasExpression</rdfs:label>  
  <svde:closeMatch rdf:resource="http://iflastandards.info/ns/lrm/lrmer/R2"/>  
  <svde:closeMatch rdf:resource="http://rdaregistry.info/Elements/w/P10078"/>  
</ObjectProperty>
```

Share-VDE RDF/XML Object Properties

```
<!-- https://svde.org/ontology/inHub -->  
  
<ObjectProperty rdf:about="https://svde.org/ontology/inHub">  
  <rdfs:subPropertyOf  
rdf:resource="http://id.loc.gov/ontologies/bibframe/relatedTo"/>  
  <svde:usageNote>A bf:Hub may be related to one or many  
svde:Works.</svde:usageNote>  
  <svde:useDomain>svde:Work</svde:useDomain>  
  <svde:useRange>bf:Hub</svde:useRange>  
</ObjectProperty>
```

Share-VDE RDF/XML Annotations

```
<!-- https://svde.org/ontology/closeMatch -->
```

```
<AnnotationProperty rdf:about="https://svde.org/ontology/closeMatch">  
  <rdfs:label>close match to</rdfs:label>  
  <skos:definition>Refers to a semantically similar entity (typically class or  
property) in another ontology or scheme.</skos:definition>  
  <rdfs:subPropertyOf rdf:resource="http://purl.org/dc/terms/relation"/>  
</AnnotationProperty>
```


Access the Share-VDE Ontology

Access the almost complete version 1 of the Share-VDE ontology here:
svde-ontology-june-26-2023.owl or <https://ow.ly/lKyC50OUjaB>

Note: we anticipate adding the set of OpusType individuals and providing additional clarity to the relationship of the bf:Hub within Share-VDE during the summer months and publish the version 1 Share-VDE Ontology shortly thereafter.

Use cases and models for participation



Use case #1: Discovery

- Search vs. Discovery
- IFLA LRM user tasks: find, identify, select, obtain, explore
 - *Explore: To discover resources using the relationships between them and thus place the resources in a context*
- Researcher exploration development of topic ideas

<https://www.librarianshipstudies.com/2020/04/ifla-library-reference-model-lrm.html>

Topic

Civil rights movement

1954–1968 U.S. social movement against institutional racism

"The civil rights movement was a political movement and campaign from 1954 to 1968 in the United States to abolish institutional racial segregation, discrimination, and disenfranchisement throughout the United States. The movement had its origins in the Reconstruction era during the late 19th century, although it made its largest legislative gains..." — [Wikipedia](#)



[Wikimedia](#)

Options ▾

Works about this

Topics and events related to this

Related people and organizations

Sort by: Title A-Z ▾

47 results

No.	Image	Concept	Type	Description	Location
1		Selma to Montgomery marches	Demonstration	1965 march for African-American citizens to exercise their constitutional right to vote	Selma, Alabama (USA) Montgomery, Alabama (USA)
2		I Have a Dream	Speech	1963 speech delivered by Martin Luther King Jr.	Lincoln Memorial, Washington, D.C. (USA)

Place

Selma, Alabama (USA)

City in and county seat of Dallas County, Alabama, United States

"Selma is a city in and the county seat of Dallas County, in the Black Belt region of south central Alabama and extending to the west. Located on the banks of the Alabama River, the city has a population of 17,971 as of the 2020 census. About 80% of the population is African-American." – [Wikipedia](#)



[Wikipedia](#)

Options ▾

Works about this place

Events that took place here

Related people and organizations

Works published here

Lorem ipsum

Year

Creator

Genre

Sort by: Title A-Z ▾

47 results

No.	Image	Concept	Type	Description	Location
1		Selma to Montgomery marches	Demonstration	1965 march for African-American citizens to exercise their constitutional right to vote	Selma, Alabama (USA)
2		Battle of Selma	Battle	Battle of the American Civil War	Selma, Alabama (USA)

Person

Martin Luther King Jr.

American civil-rights activist and leader (1929–1968). Born in Atlanta (Ga.). Died in Memphis (Tenn.).

"Martin Luther King Jr. was an American Baptist minister and activist, one of the most prominent leaders in the civil rights movement from 1955 until his assassination in 1968. An African American church leader and the son of early civil rights activist and minister Martin Luther King Sr., King advanced civil rights for people of color in the United States..." — [Wikipedia](#)



Wikimedia

Options ▾

Original works by

Publications by

Original works about

Related topics and events

Lorem ipsum

Type

Year

Location

Sort by: Title A-Z ▾

47 results

No.	Image	Concept	Type	Description	Location
1		COINTELPRO	Government program	Series of covert, and often illegal, projects conducted by the U.S. FBI	

Another Discovery example:

[Live demo](#)

Share-VDE: how to participate?

- UX-UI group
 - Review/user testing of interface
 - Topics: Usability and Accessibility; Universal design; Consistency of design and navigation
 - Review of reported errors

Use Case #2: Linked Data Use and Reuse

- Linked **Open** Data
- Data Enrichment
- Data Reuse

Keyword Find books, journals, videos, & m

Advanced Bookmarks (0)

Everything

Catalog

Articles+

Databases

Colenda

Website

« Previous | 7 of 15,089 | Next »

[Back to Search Results](#)[Start Over](#)

Knowledge Panel

Bach.

Author/Creator: [Bach, Johann Sebastian, 1685-1750, composer.](#)Publication: [\[Germany\] : Berlin Classics, \[2020\]](#)Format/Description: [Sound recording](#)
[1 online resource \(1 audio file\)](#)Series: [Naxos Music Library.](#)Status/Location: [Online access](#) [Naxos Music Library](#)

Options

Filter records:

Location

Notes

[Naxos Music Library](#)

Showing 1 to 1 of 1 entries

[Send Penn Libraries a question](#)[Login to view request options](#)

Details

Standardized Title: [Organ music. Selections](#)Subjects: [Chorale preludes.](#)
[Variations \(Organ\).](#)
[Organ music.](#)

Johann Sebastian Bach

Bach | J.S. Bach | J. S. Bach | J S Bach

Family

Self

[From related entities](#)

spouse

[Anna Magdalena Bach](#)

start time : 12/02/1721

end time : 07/27/1750 ([proleptic Julian calendar](#))[Maria Barbara Bach](#)

start time : 10/16/1707

end time : 1719

sibling

[Johann Christoph Bach III](#)

kinship to subject : elder brother

[Johann Jacob Bach](#)

kinship to subject : elder brother



Links

[Wikidata page](#)[Wikipedia article](#)[Reasonator](#)

Identifiers

Use Case #3: Shared Data Pool

- Shared Data → Shared Collections
- Collective strength

Writing tricksters : mythic gambols in American ethnic literature

Volume. Published in English in 1997 in Berkeley.

Contributors

Jeanne Rosler Smith (author) and University of California Press (publisher)

ISBN: 0520206541

Identifier: p1361854888847107

Bibliographic level: Monograph

Cataloging source: DLC

Descriptive cataloging form: AACR

Dimension: 21 cm.

Encoding level: Full

Extent: xv, 796 p. ;

Record status: Corrected or revised

Responsibility statement: Jeanne Rosler Smith.

System control number: (OCoLC-M)34772090, (OCoLC)ocm34772090

Available at 3 libraries

More options

UPenn Libraries

Stanford Libraries

Smithsonian Libraries

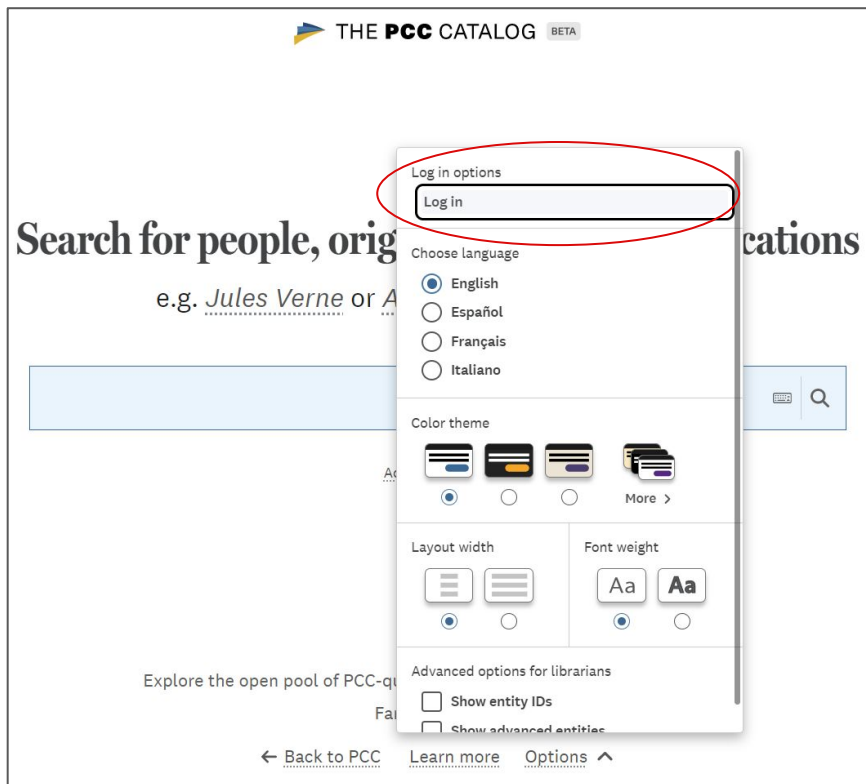
Share-VDE: How to participate?

- Member libraries become part of the shared data pool
- Contribute your *MARC* data to enrich the whole
- SEI group
 - Ontology development

Future perspectives and JCricket demo



JCricket entity editor - What it does



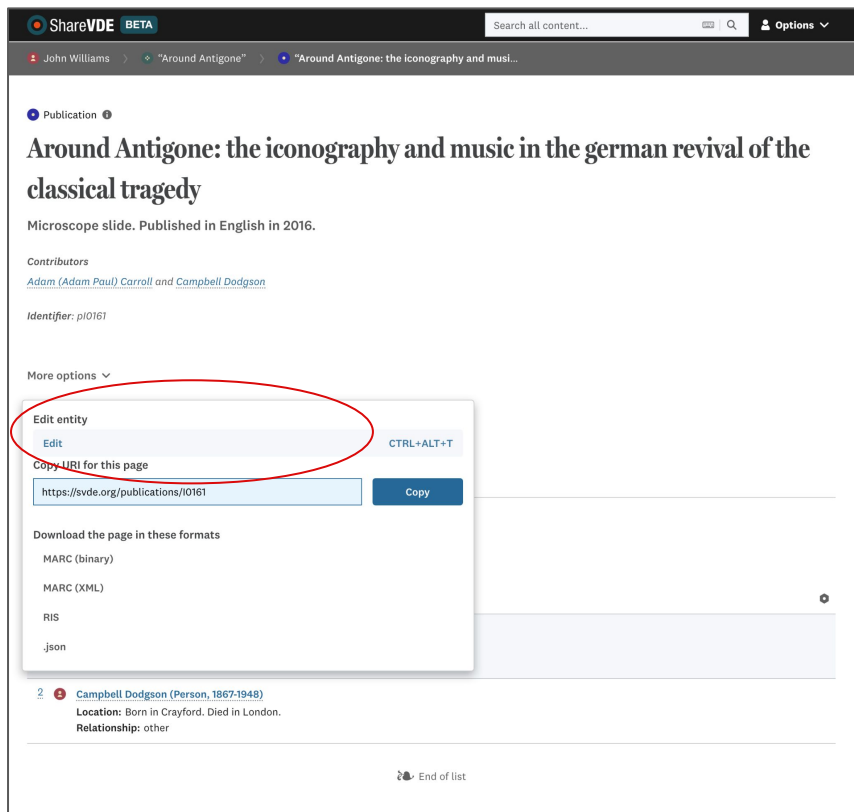
Integrated in the discovery portal web interface, **for authenticated users**

User types: **basic and advanced**

Entities aggregate data from different contributing libraries (aka Provenances):

★ **an entity is also called Prism**, where each face represents data coming from a given Provenance

JCricket entity editor - What it does



The screenshot shows the ShareVDE Beta interface. The main content area displays a publication titled "Around Antigone: the iconography and music in the german revival of the classical tragedy" by Adam (Adam Paul) Carroll and Campbell Dodgson. A modal window titled "Edit entity" is open, showing an "Edit" button (circled in red) and a "Copy URL for this page" field containing the URL "https://svde.org/publications/10161". Below the modal, there are options to download the page in various formats (MARC binary, MARC XML, RIS, json) and a list of entities, including Campbell Dodgson (Person, 1867-1948).



Edit function to change entities' properties

- ★ add, remove and amend attributes, relationships and links belonging to a single entity
- ★ real time notifications about cluster property changes



Merge function: reconcile multiple entities into one (e.g. two authors who are in fact the same person)

- ★ choose the properties to copy to the merged entity
- ★ multiple phases: create the merge list, edit the merge list, edit clusters, request for review, approve (or deny) the merge

JCricket entity editor - What it does

The screenshot shows the JCricket entity editor interface. At the top, there's a navigation bar with 'ShareVDE BETA', a search bar, and an 'Options' dropdown. Below that, the breadcrumb trail shows 'John Williams > "Around Antigone" > "Around Antigone: the iconography an... > Edit'. The main content area displays the entity details for a publication:

- Publication** (with a dropdown arrow)
- Title:** Around Antigone : the iconography and music in the german revival of the classical tragedy
- Published in:** English in 2015.
- Contributors:** Adam (Adam Paul) Carroll and Campbell Dodgson
- Identifier:** p10161
- More options** (with a dropdown arrow)

At the bottom, there are two tabs: 'Edit metadata' (selected) and 'Log'. Below the tabs is a form with four rows of attributes, each with a 'Leader' column and a 'Provenances' column:

Attribute	Value	Language	Provenances	Leader
Title *	Around Antigone : the iconography and music in the german revival of ti	Undefined	Select provenance	<input checked="" type="radio"/>
Publication year	2015		Select provenance	<input type="radio"/>
Print/online *	7274	Undefined	Select provenance	<input checked="" type="radio"/>
Auction/exhibition	exhibition	Undefined	Select provenance	<input checked="" type="radio"/>

At the bottom of the form, there are three buttons: 'Add attribute', 'Cancel', and 'Save and close'.

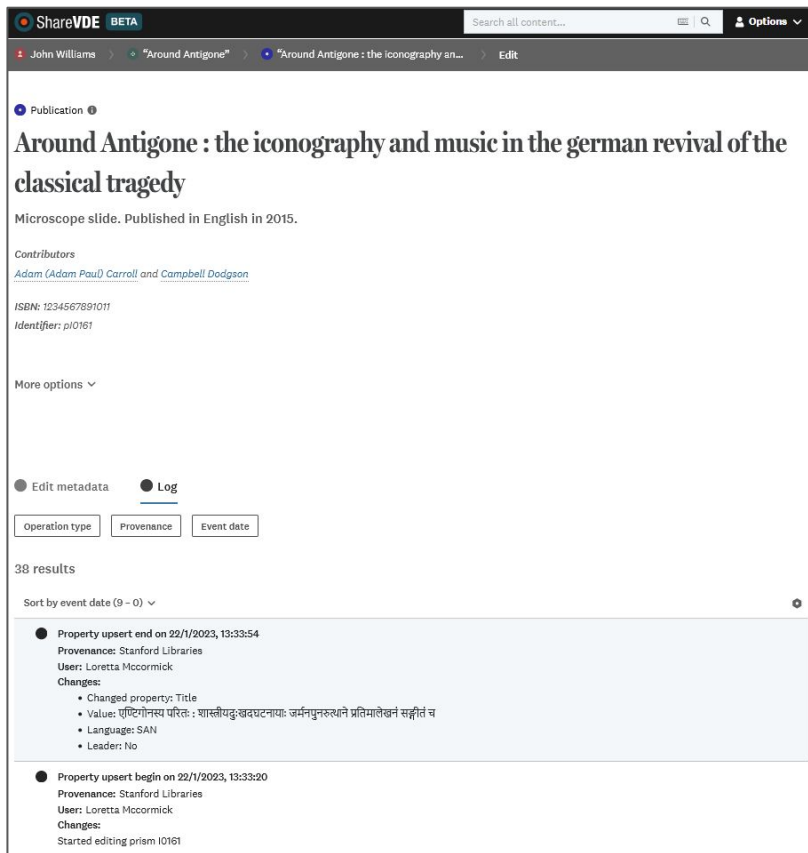


Split and Create functions: move one or more properties between two entities; optionally create a new one


- ★ choose the properties to move from entities
- ★ properties can be moved from an entity to create a brand new one
- ★ multiple phases: create the split-set, edit the split-set, edit clusters, request for review, approve (or deny) the split




JCricket entity editor - What it does



The screenshot shows the ShareVDE BETA interface. At the top, there is a search bar and navigation tabs. The main content area displays a publication titled "Around Antigone : the iconography and music in the german revival of the classical tragedy". Below the title, it indicates the publication date (2015) and lists contributors: Adam (Adam Paul) Carroll and Campbell Dodgson. The ISBN is 1234567891011 and the identifier is p10161. There are tabs for "Edit metadata" and "Log". Below these are buttons for "operation type", "Provenance", and "Event date". The results section shows 38 results, sorted by event date. Two results are visible: "Property upsert end on 22/1/2023, 13:33:54" and "Property upsert begin on 22/1/2023, 13:33:20".

 **Review workflow:** edits are reviewed by advanced editors

★ notifications to manage the review workflow

 **Dictionary API:** what are the available cluster types? Which attributes belong to a cluster type? What cardinality? Which relationships?

 **Entity Event Log:** tracks the history of changes

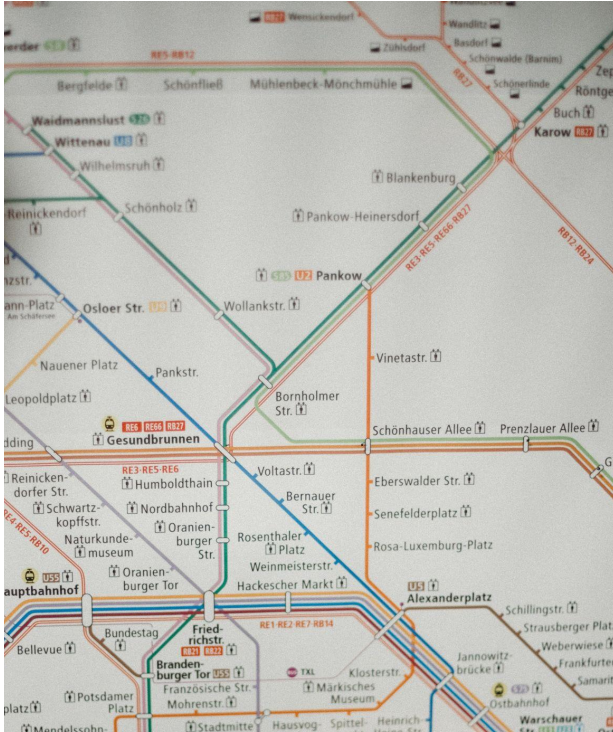
 **Data changes synchronization** across SVDE storages (e.g. RDF Store, Search Engine, RDBMS)

Why JCricket is valuable



- ★ A **collaborative tool**, shared across the Share Family community and improving the data created within it
- ★ Linked data conversion in a shared discovery environment and **direct entity management** capabilities in one place
- ★ Increases **data quality** where massive automated processes are necessarily lacking
- ★ Collaboration ensures higher quality and **authoritativeness of data**
- ★ Conceived by [SVDE and Share Family community](#), ie. **real users**
- ★ Potentially **complementary to other tools**, e.g. Sinopia - as they cover different aspects of the entity management flow
- ★ Could potentially **support other workflows** and connections with systems external to the Share Family
- ★ You can always **track back to your data** through the Provenance
- ★ JCricket will extend authority capabilities through the integration with external data sources such as **Wikidata**

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 🛠
 - progressive releases through 2023

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

JCricket references

Useful references:

- JCricket overview
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



Thank you!

To discuss this further, please contact info@svde.org
Members of the Advisory Council would be happy to meet with you

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