The Share Family initiative to bring Linked Open Data into practice

November 17th 2023

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

✔ Share-VDE background and the Share Family
✔ Working Groups and cooperation
✔ Towards an operational environment
✔ JCricket - The Entity Management System
Share-VDE background and the Share Family
Stepping stones

- **2016**: Share Catalogue online
- **2017**: Share-VDE prototype
- **2017-2019**: Share-VDE members’ and LD4P members’ data from MARC21 to BIBFRAME
- **2018**: Share-VDE - environment for library LOD
- **2019**: 2019-2021 Share-VDE 2.0 new Linked Data Management System and Entity Discovery Portal
- **2020**: Parsifal launch
- **2021**: Share Family embraces all LOD Platform initiatives
- **2022**: Share-VDE 2.0 PCC data pool
- **2022**: 2021-ongoing NatBib WG and shared discovery environment
- **2023**: BNB in LOD progresses towards production (beta)
- **2023**: Share Family - towards production

Stepping stones diagram
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 https://www.share-family.org and the dedicated Share-VDE wiki section.
Share-VDE - Virtual Discovery Environment

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

https://www.svde.org
Share Catalogue: Scholarly Heritage and Access to Research

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

Share Catalogue discovery portal
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

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

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.
Share Family - Linked Data Ecosystem

DATA INPUT FROM INSTITUTIONS

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

PROCESSES

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
- Data Distribution
  - ShareSAFE for data consumption (GraphQL, REST, SPARQL)
  - API / protocols for third parties integration (eg. local LSPs and data editor such as Wikidata, Sinopia BIBFRAME editor, FOLIO etc.)
- Shared Data Management
  - Editing of Share Family entities with JCricket
  - Downloadable datasets
  - BIBFRAME RDF, MARC enriched records
  - Authority control in MARC and BIBFRAME (Share Family MARC representations in local library)
- Additional Services
  - Share Family Index: registry of entity URIs
Outputs for consortia or single libraries

Linked Data Descriptions and Enriched MARC Records

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

JCricket Entity Editor

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

Discovery Portal

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

Authoritative Services

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

Member libraries send their records both for their community of users and librarians.

Sapientia Cluster Knowledge Base, a collaborative source of high quality data: the CKB includes the clusters of entities created in the reconciliation and conversion to linked data of the catalogues of all Share-VDE participating libraries.

According to their local or network policies, libraries can implement their services:

- discovery portal
- authoritative services
- shared cataloguing
- statistics and evaluation
- collection development
- interlibrary loan

and so on!

Data in the CKB is enhanced by JCricket Entity Editor.
Default configuration: SVDE and PCC data pool

Simple search default configuration on **SVDE** and **PCC data pool** portals.
Default configuration: British National Bibliography

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

* the British Library announced the launch of the beta version of the British National Bibliography Linked Open Data Portal
Default simple search configuration: the BNB

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

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

Different communities or types of institutions might need customised features

(*) Note: the skin for the British National Bibliography is a preview of a beta site.
The Share Family of initiatives includes different branches and sister projects, supported by the same LOD Platform technology. Each branch or project is hosted in a specific tenant of the system architecture with a corresponding specific Cluster Knowledge Base and a dedicated web entity discovery portal.

- For more details on the Share Family tenant infrastructure see the Summary of Share Family tenants.

In some cases, within a single tenant a customised skin (ie. a sub-portal of the main entity discovery) can be created to address ad hoc needs of an institution, or group of institutions, willing to expose only their own data or to integrate local services in the Share environment.

- For example, Share-VDE entity discovery portal at svde.org is one of such tenants, including a pool of data from a number of institutions, and the respective skin portals.
Institutional skin portals within a tenant

- While the main entity discovery portal of a tenant shows the data of all the institutions feeding the tenant's Cluster Knowledge Base, the skin portal gives the ability to filter only the data of the institution that the skin portal has been designed for.

- To this aim, the “held at” filter was added, allowing to filter publications by what is available at the current library. It is enabled on skin portals at Publication (= Instance) level in these cases:
  - in advanced search, see e.g. NYU data pre-filtered here [https://nyu.svde.org/advanced-search/publications?q=(title+does_not_contain+xyz)&heldAtLibrary=true](https://nyu.svde.org/advanced-search/publications?q=(title+does_not_contain+xyz)&heldAtLibrary=true) (see the toggle on the right of the screen, you can turn it on / off)
  - in the Original work entity page that lists Publications, see e.g. [https://nyu.svde.org/suite-de-la-mancha-flute-cello-piano-unknown-author-o781654264663247/library-publications](https://nyu.svde.org/suite-de-la-mancha-flute-cello-piano-unknown-author-o781654264663247/library-publications) (see the toggle on the right of the screen, you can turn it on / off)
  - in simple search results in cases where the simple search default on the home page is the Publication simple search (e.g. Natbib tenant)
Example: institutional skin portals in SVDE

- **SVDE tenant** - https://svde.org => with LC’s authority data and the bibliographic data of member institutions
  - skin portals including: Penn, Smithsonian, Stanford, University of Alberta, New York University, National Library of Norway, National library of Finland (other skin portals will be set up following the load of libraries' catalogues to svde.org)
Working Groups and cooperation
Member institutions 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
- 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 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, explaining 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.
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, i.e. customised sub-portals dedicated to individual institutions.

Among the latest outcomes:

- Share-VDE 2.0 Entity Discovery [https://svde.org](https://svde.org)
- new Entity Discovery Portal and new back-end infrastructure for the Linked Data Management;
- other [Share Family discovery portals](https://svde.org) supported by the same technology;
- review and enhancement of portal features, in conjunction with the National Bibliographies Working Group.
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:
- definition of the SVDE Ontology; see also Jim Hahn’s presentation at the BFWE 2023;
- svde:Work is subclass of bf:Work → 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.
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.
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.
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).
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

**DONE**

- New authority services for MARC-based workflows - designed with SVDE AIMS working group and Stanford’s input
- Third parties integration with ILSs/LSPs - local library services (eg. Alma circulation APIs)

**ONGOING**

- Finer granularity level of the CKB - Cluster Knowledge Base to make it format-agnostic and extend input data capabilities (MARC21, UNIMARC, BF/RDF eg. Sinopia profile etc.)
- Third parties integration with ILS/LSP - Sinopia
- Third parties integration with ILS/LSP - FOLIO

**EXPLORING**

- Third parties integration with authority sources:
  - LD4P Questioning Authority
  - Wikidata (initial specs by SVDE working groups)
  - ISNI (initial specs by SVDE working groups)
- 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
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.

- LD4P/QA
- LSP/ILS (Sinopia, Alma etc.)
- Libraries
- WIKIDATA
- Chronos
- JCricket Entity Editor
- RDF Store
- RDBMS
- Solr
- Open Library Innovation Suite
- Folio
Integration with local services - circulation info

Integration with local services, e.g. connection to Alma APIs for University of Pennsylvania circulation services.
Integration with local services - lending

Hamlet: Second quarto


Place a hold on this physical item

Scan a chapter and send it to my email

Place on course reserve

Cancel

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

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

From Library Data to Share-VDE
Prism, faces: the Share-VDE Entity
Faces (aka Contributions & Provenances)

<table>
<thead>
<tr>
<th>UNIVERSITY OF ALBERTA LIBRARY</th>
</tr>
</thead>
<tbody>
<tr>
<td>title</td>
</tr>
<tr>
<td>titleAlternative</td>
</tr>
<tr>
<td>author</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stanford</th>
</tr>
</thead>
<tbody>
<tr>
<td>title</td>
</tr>
<tr>
<td>titleAlternative</td>
</tr>
<tr>
<td>author</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>National Library of Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>title</td>
</tr>
<tr>
<td>titleAlternative</td>
</tr>
<tr>
<td>author</td>
</tr>
</tbody>
</table>

(links)

<table>
<thead>
<tr>
<th>sameAs</th>
<th><a href="http://dbpedia.org/resource/Alice%27s_Adventures_in_Wonderland">http://dbpedia.org/resource/Alice%27s_Adventures_in_Wonderland</a></th>
<th>Dbpedia</th>
</tr>
</thead>
<tbody>
<tr>
<td>sameAs</td>
<td><a href="https://www.wikidata.org/wiki/Q189875">https://www.wikidata.org/wiki/Q189875</a></td>
<td>Wikidata</td>
</tr>
<tr>
<td>sameAs</td>
<td><a href="https://data.bnf.fr/ark:/12148/cb358500385#about">https://data.bnf.fr/ark:/12148/cb358500385#about</a></td>
<td>bnf</td>
</tr>
</tbody>
</table>
**Properties: Attributes, Relationships, Links**

<table>
<thead>
<tr>
<th>Name</th>
<th>Value</th>
<th>Provenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>title</td>
<td>Alice in wonderland</td>
<td></td>
</tr>
<tr>
<td>titleAlternative</td>
<td>Alice's adventures under ground</td>
<td></td>
</tr>
<tr>
<td>titleAlternative</td>
<td>Journeys in Wonderland</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Provenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>author</td>
<td></td>
</tr>
</tbody>
</table>

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

A relationship is a connection between two Share-VDE Prisms.
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 searchable through the entity discovery portal.

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

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

Third-party Applications

but...

but...
**JCricket: Available Operations**

**Edit:** a property is added/updated/deleted

Lewis Carroll

is author of  
https://svde.org/opuses/1827349  
https://svde.org/opuses/920302

**Merge:** multiple prisms are merged into one

**Split:** a prism is split into multiple prisms

**Invalidate**

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

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

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JCricket user interface

Step 1: Search on Share-VDE Main Portal

Step 2: Enter the entity details page

Step 3: Click on the edit action and enter the JCricket UI
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)
Next generation cataloguing

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

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

- 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 📝
JCricket references

Useful references:

- JCricket overview
- 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
See the live demos!

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


JCricket demo at the LD4 Conference 2023:
https://www.youtube.com/watch?v=wbrqvWGnvfl

JCricket Editor - examples from the user interface
JCricket features - The user interface
JCricket log-in
JCricket feature selection
JCricket edit
JCricket edit - open a new entity via ID
JCricket edit - Multiple entities in one screen
JCricket edit - languages
Properties: Attributes, Relationships, Links
JCricket edit - Add variant forms

Harry Potter and the prisoner of Azkaban

Metadata

Basic info

OpusType (1) undefined

Title (1) +

English

Harry Potter and the prisoner of Azkaban

Danish

Harry Potter and the prisoner of Azkaban

German

Harry Potter and the prisoner of Azkaban

Original work

Harry Potter and the prisoner of Azkabans...


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

Publications of this

Filter publications...

Publications year

Publication place

Library

Language

2 results

Sort by (A - Z) 

1. Harry Potter and the Prisoner of Azkaban (Volume in English, published in 1999.)

Contributors: 


Contributors: 

End of list
Provenances and leader value for end users
JCricket edit - controlled value list
JCricket edit - search while editing
JCricket edit - search while editing
JCricket edit - add agent
JCricket edit - add attribute
JCricket - create an entity from scratch
JCricket merge - select merged entities
## JCricket merge - select destination entity

Choose destination:

<table>
<thead>
<tr>
<th>Publications rel.</th>
<th>Works rel.</th>
<th>Title</th>
<th>Identifier</th>
<th>Year</th>
<th>Genre</th>
<th>Creators</th>
<th>VIAF ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Music in art</td>
<td>5002</td>
<td>1998</td>
<td></td>
<td>Carroll, Lewis (Illustrator)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Su alcuni palazzi folignati dei secoli XVI – XVIII</td>
<td>5001</td>
<td></td>
<td></td>
<td>Carroll, Adam (Adam Paul) (author)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Indagini a S. Maria in Campio di Foligno</td>
<td>4998</td>
<td></td>
<td></td>
<td>Abbott, Megan (author)</td>
<td></td>
</tr>
</tbody>
</table>
JCricket merge - select properties
JCricket merge - select properties
Merge entities where the role is the same
Properties Automatically added (full matching)
### JCricket - review process

#### Unclassified Type
- **Journal**
- **Article**

#### Unverified Title
- Music in art

#### Unclassified Year

#### Contributor
- Carroll, Linde (x201)

#### Please select a reviewer for this merge request

#### Search for a reviewer by name or email address

#### Richardson, Keira (k.richardson@upenn.edu) - UPENN

#### Please confirm this action

Are you sure you want to submit this merge request? The review will be assigned to Richardson, Keira (k.richardson@upenn.edu).

**Submit merge request**
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.
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