The Share Family initiative
Enabling connections for the cultural heritage

IFLA 2023 Satellite Conference – Art Libraries Section
Rijksmuseum Research Library, Amsterdam
August 17th 2023, Michele Casalini, Casalini Libri

https://www.share-family.org/
https://wiki.svde.org
info@svde.org
Share Family background
Stepping stones

2016

Share Catalogue online

2017

Share-VDE prototype

2018

2017-2019: Share-VDE members’ and LD4P members’ data from MARC21 to BIBFRAME

2019

2019-2021: Share-VDE members’ and LD4P members’ data from MARC21 to BIBFRAME

2020

Share-VDE - environment for library LOD

2021

2021-ongoing PCC data pool

Share Family embraces all LOD Platform initiatives

Parsifal launch

2022

Share-VDE 2.0
new Linked Data Management System and Entity Discovery Portal

2023

2021-ongoing NatBib WG and shared discovery environment

Share Family - towards production

BNB in LOD progresses towards production (beta)
## The Share Family Linked Data Ecosystem

<table>
<thead>
<tr>
<th>CO-OPERATIVE</th>
<th>INTEROPERABLE</th>
<th>FLEXIBLE</th>
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<td>Developed and driven by 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.</td>
<td>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.</td>
<td>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.</td>
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<td>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.</td>
<td>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.</td>
<td>The quality of data is guaranteed both through advanced technical processes and through collaborative data modeling, enrichment and sharing, handled collectively by member organizations.</td>
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**SUSTAINABLE**

**OPEN**

**AUTHORITATIVE**
Share-VDE Groups
Share Family linked data communities
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 https://www.share-family.org and the dedicated Share-VDE wiki section.
Share-VDE - Virtual Discovery Environment

Among the participation institutions:
- 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
Università degli Studi di Cassino e del Lazio Meridionale

Share Catalogue discovery portal
National Bibliographies in Linked Open Data

The aggregation of data from National Bibliographies in a shared entity discovery environment; the first of these is the BNB - British National Bibliography available online.

https://natbib-lod.org/

The BNB beta website is available at https://bl.natbib-lod.org/

BNB announcement (July 14th 2023)
British Library’s Digital scholarship blog
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
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 Family tenant infrastructure

Share-VDE discovery portal and institutional skins
- Share-VDE portal
- Penn institutional skin portal
- other institutional skin portals

Share-VDE libraries original records
- Enrichment with external sources (VIAF, ISNI, LCSH, FAST etc.)

Share-Catalogue libraries original records
- Parsifal discovery interface
- NatBib discovery interface
- PCC data pool discovery interface

Parsifal libraries original records
- National bibliographies original records
- PCC libraries original records

Entity registry
- Entity registry
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SVDE Sapientia CKB
- JCRICKET
- Entity Editor

Share-Family tenant infrastructure

Enrichment with external sources (VIAF, ISNI, LCSH, FAST etc.)

Share Catalogue CKB
- JCRICKET
- Entity Editor

Parsifal CKB
- JCRICKET
- Entity Editor

NatBib CKB
- JCRICKET
- Entity Editor

PCC data pool CKB
- JCRICKET
- Entity Editor

Penn institutional skin portal
- other institutional skin portals

Other institutional skin portals

Share-Catalogue discovery interface
- Parsifal discovery interface
- NatBib discovery interface
- PCC data pool discovery interface

SVDE
- Sapientia
- CKB

Entity registry
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Example: institutional skin portals in SVDE

- **SVDE tenant** - [https://svde.org](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)
The Share Family LOD Platform technology was originally designed to:

- enable an entity based UX/UI approach
- leverage the bibliographic catalogues in input from libraries
- create a network of linked data descriptions of library resources
- support a new generation of library data management
Art-related content in Share-VDE discovery #1

Original works by Vincent van Gogh

Vincent van Gogh


Vincent Willem van Gogh was a Dutch Post-Impressionist painter who is among the most famous and influential figures in the history of Western art. In just over a decade he created approximately 2100 artworks, including around 860 oil paintings, most of them in the last two years of his life. They include landscapes, still lifes, portraits and self-portraits, and are characterised by bold, symbolic colours, and elements, impulsive and highly expressive brushwork that contributed to the foundations of modern art. He sold only a few paintings during his lifetime and became famous after his suicide, aged 37, which followed years of poverty and mental illness. - Wikipedia

Van Gogh Museum, Amsterdam

Amsterdam (Netherlands).

The Van Gogh Museum is a Dutch art museum dedicated to the works of Vincent van Gogh and his contemporaries in the Museum Square in Amsterdam South, close to the Greijdashuis, the Rijksmuseum, and the Concertgebouw. The museum opened on 2 June 1973, and its buildings were designed by Gerrit Rietveld and Klaas Kamerlingh Onnes. - Wikipedia
Art-related content in Share-VDE discovery #2
De architectura

Treatise on architecture by Vitruvius. 1 prose work / biography / fiction.

De architectura is a treatise on architecture written by the Roman architect and military engineer Marcus Vitruvius Pollio and dedicated to his patron, the emperor Caesar Augustus, as a guide for building projects. As the only treatise on architecture to survive from antiquity, it has been regarded since the Renaissance as the first book on architectural theory, as well as a major source on the canons of classical architecture. It contains a variety of information on Greek and Roman buildings, as well as prescriptions for the planning and design of military camps, cities, and structures both large and small. Since Vitruvius published before the development of cross vaulting, domes, concrete, and other innovations associated with imperial Roman architecture, his ten books give no information on those hallmarks of Roman building design and technology. – Wikipedia

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209 results:
Evolution of the LOD Platform technology

Discussions are arising among the Share Family institutions and collaborative networks of libraries (such as consortia) about setting up a shared discovery environment tailored to the art domain:

- Smithsonian Libraries and Archives (Share-VDE member [https://smithsonian.svde.org/](https://smithsonian.svde.org/))
- Ivy Plus Libraries Confederation
- conversations, pilots and engagement in the GLAM domain

Share-ART will be a Share Family branch dedicated to the data management and discovery for institutions in the art domain - **not** limited to bibliographic descriptions of art books.
Van Gogh’s portrait

Van Gogh’s Bedrooms, Marc21 (LOC catalogue)

Authority record for Vincent van Gogh, Marc21 (LOC catalogue)

From bibliographic descriptions ...

Bibliographic record of Van Gogh’s Bedrooms, Marc21 (LOC catalogue)
... to real world objects

Van Gogh’s 3D portrait by Sina Pahlevani
(reproduction from the original, available here: https://www.youtube.com/watch?v=JB1bC8Dw0oQ&feature=youtu.be)
... to real world objects

Vincent’s Bedroom - 3D Model
Reproduction from the original created by Julieta Lucia Vicente (https://vimeo.com/82588190)
... spanning across diverse collections

Source: https://www.ontotext.com/knowledgehub/webinars/build-narratives-connect-artifacts-cultural-heritage/
Emerging need for enhanced descriptions of **art objects** themselves (not only resources about art objects). Main steps to follow:

- adapt the discovery interface to art objects and their specific metadata standards
- integrate standards from the visual content domain into the Share Family technology (eg., IIIF) and extend Share Family ontologies
- interconnect diverse collections of member institutions for enhanced discovery options (eg., cross-reference between library resources and related visual materials/art objects)
- follow the Share Family principles: cooperative and member-driven
Share Music, Share MIA

Exploration of related areas to build an enhanced linked data ecosystem: pilot projects for shared Linked Open Data environments in the domains of Music and Manuscripts, Incunabula and Ancient books, an example:
Common priorities, challenges and concerns

- By adopting BIBFRAME as the main ontology in compatibility with IFLA-LRM, take advantage of the potentials of linked data to facilitate interoperability among data pools, in coexistence with MARC.

- Transform library catalogs into research tools with structured access and visibility to original language research in all disciplines.

- Apply and support open metadata policies.

- Be independent of local practices and of ILS/LSP local choices.

- Foster international cooperation to maintain a growing wealth of information.

- By serving as an authoritative data source, contribute to a new bibliographic ecosystem where data modeling, enrichment and sharing are handled collectively.
Thank you!

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