The Share Family initiative

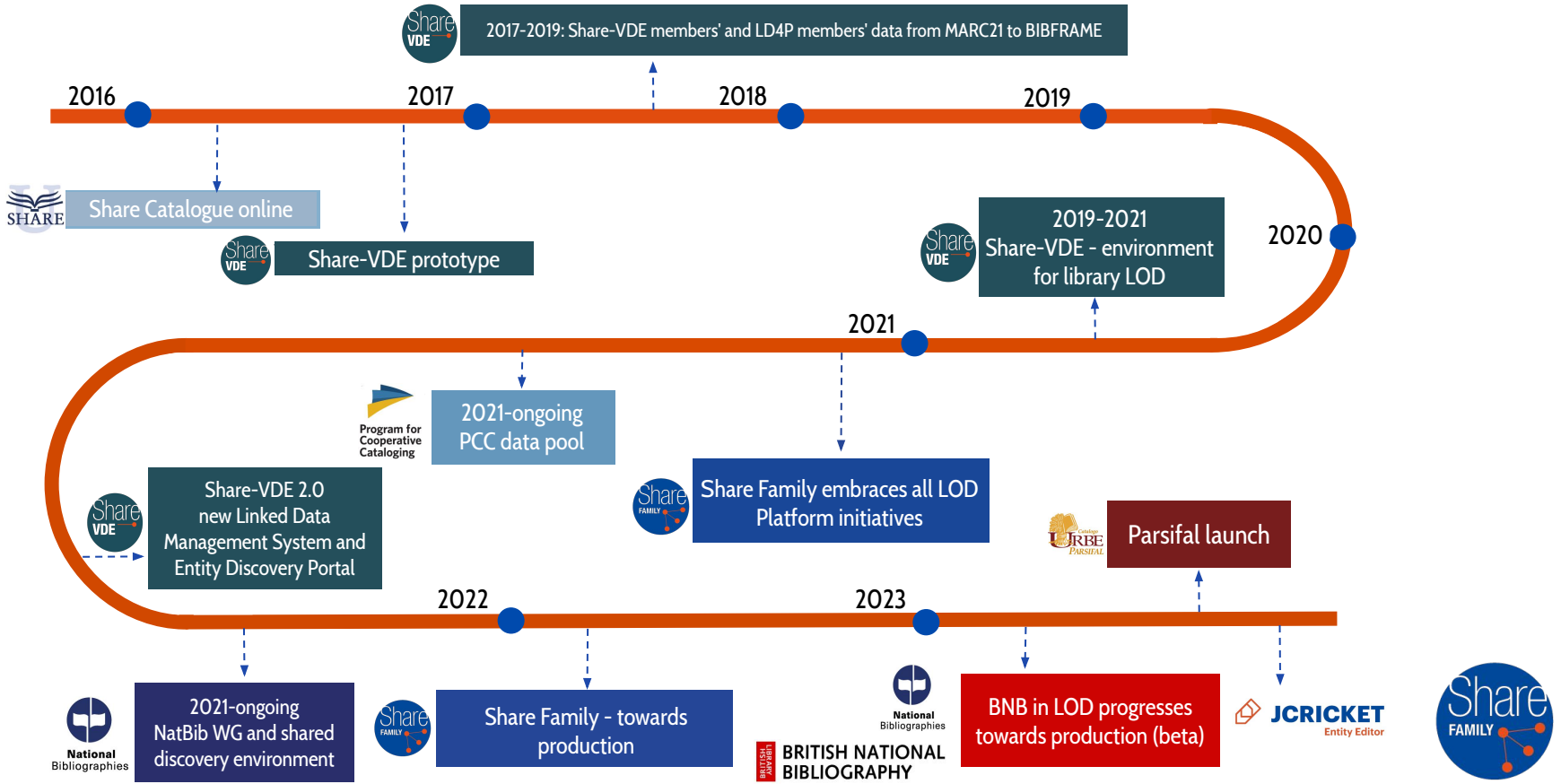
Enabling connections for the cultural heritage

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



The Share Family Linked Data Ecosystem

CO-OPERATIVE

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

INTEROPERABLE

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

FLEXIBLE

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

SUSTAINABLE

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.

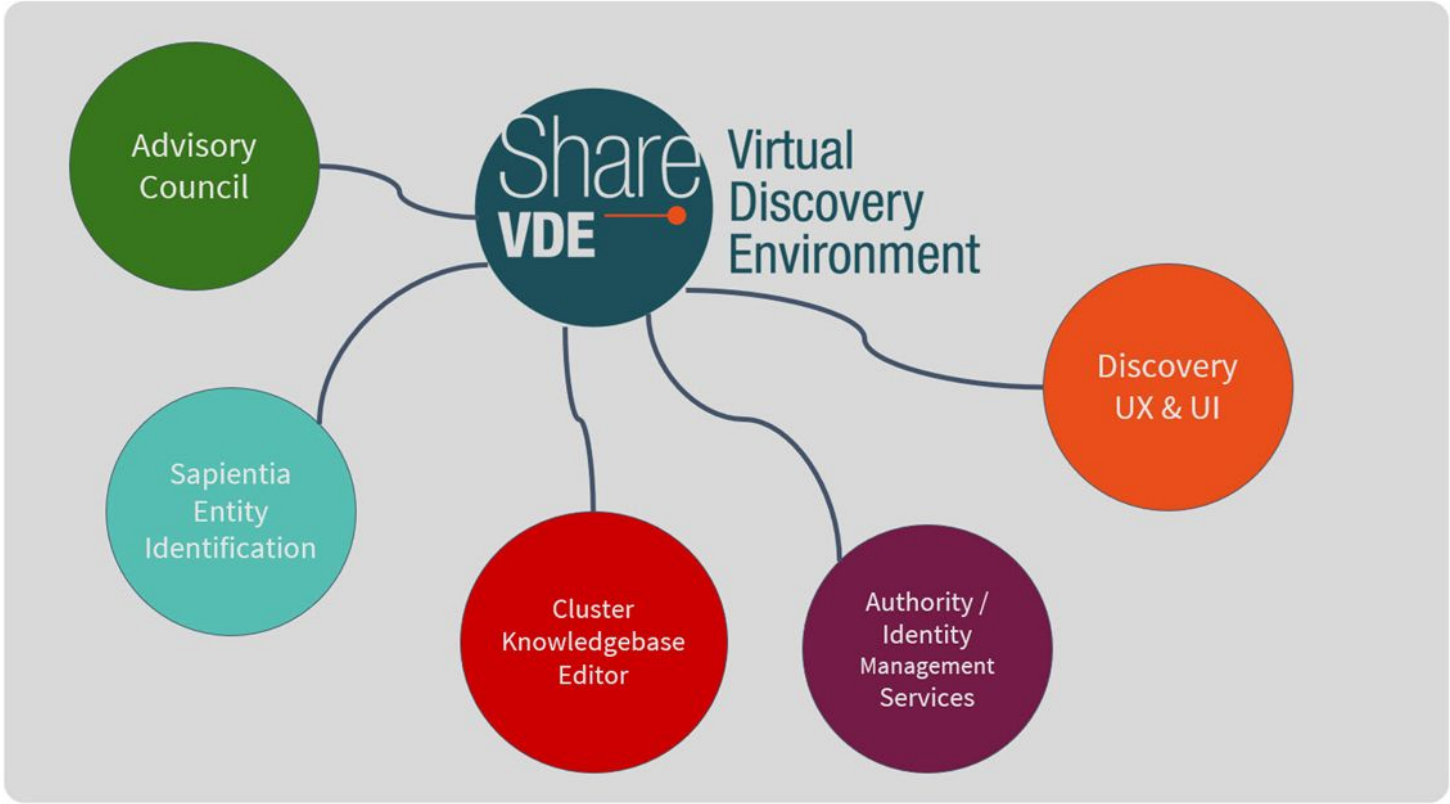
OPEN

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.

AUTHORITATIVE

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

Share-VDE Groups



Share Family linked data communities

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 https://www.share-family.org and the dedicated Share-VDE wiki section.

Share-VDE - Virtual Discovery Environment

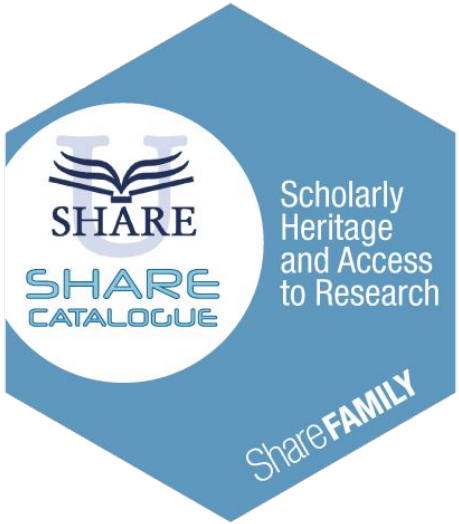
https://www.svde.org

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

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

Share Catalogue: Scholarly Heritage and Access to Research



Share Catalogue discovery portal

Università degli Studi di Napoli Federico II

Università degli Studi della Basilicata

Università degli Studi del Sannio

Università degli Studi di Salerno

Università degli Studi di Napoli Parthenope

Università degli Studi del Salento

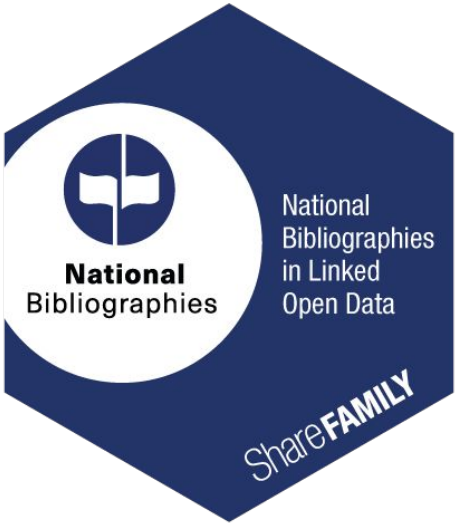
Università degli Studi di Napoli L'Orientale

Università degli Studi della Campania Luigi Vanvitelli

Università degli Studi Suor Orsola Benincasa

Università degli Studi di Cassino e del Lazio Meridionale

National Bibliographies in Linked Open Data



https://natbib-lod.org/

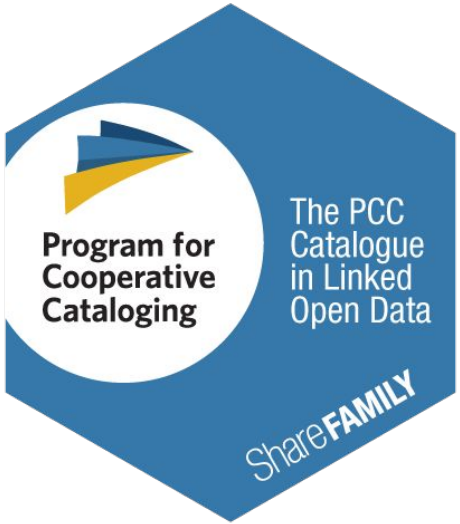
The aggregation of data from National Bibliographies in a shared entity discovery environment; the first of these is the BNB - British National Bibliography available online.

BRITISH LIBRARY BRITISH NATIONAL BIBLIOGRAPHY BETA

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

BNB announcement (July 14th 2023)
British Library's Digital scholarship blog

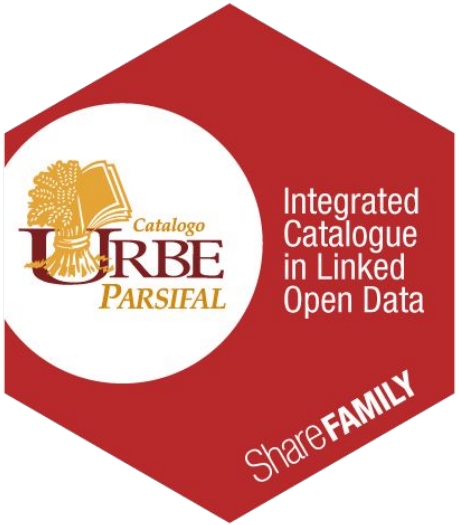
PCC Catalogue in Linked Open Data



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

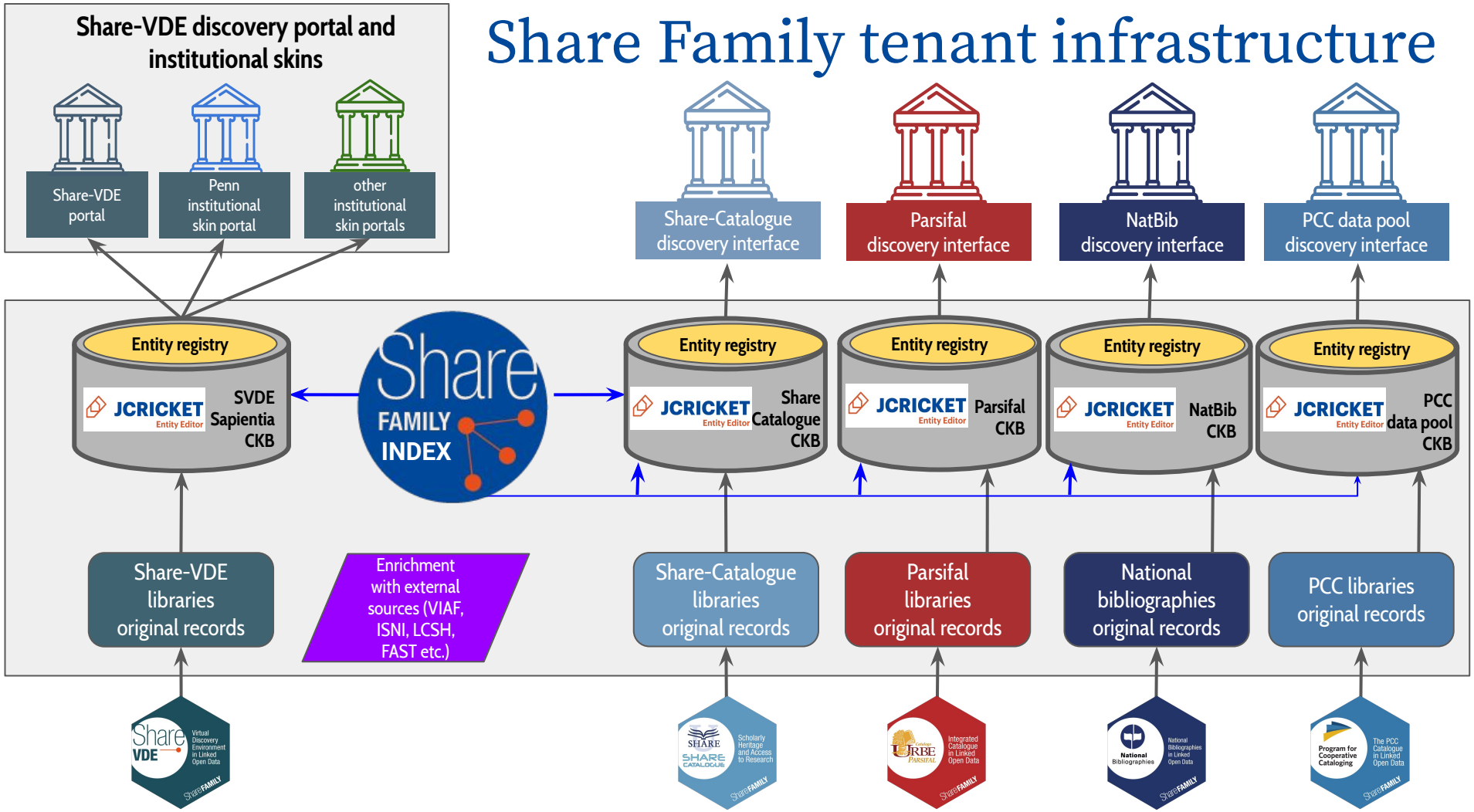
Pontificium Institutum Patristicum Augustinianum

Università Pontificia Salesiana

Share Art, Share Music, Share MIA

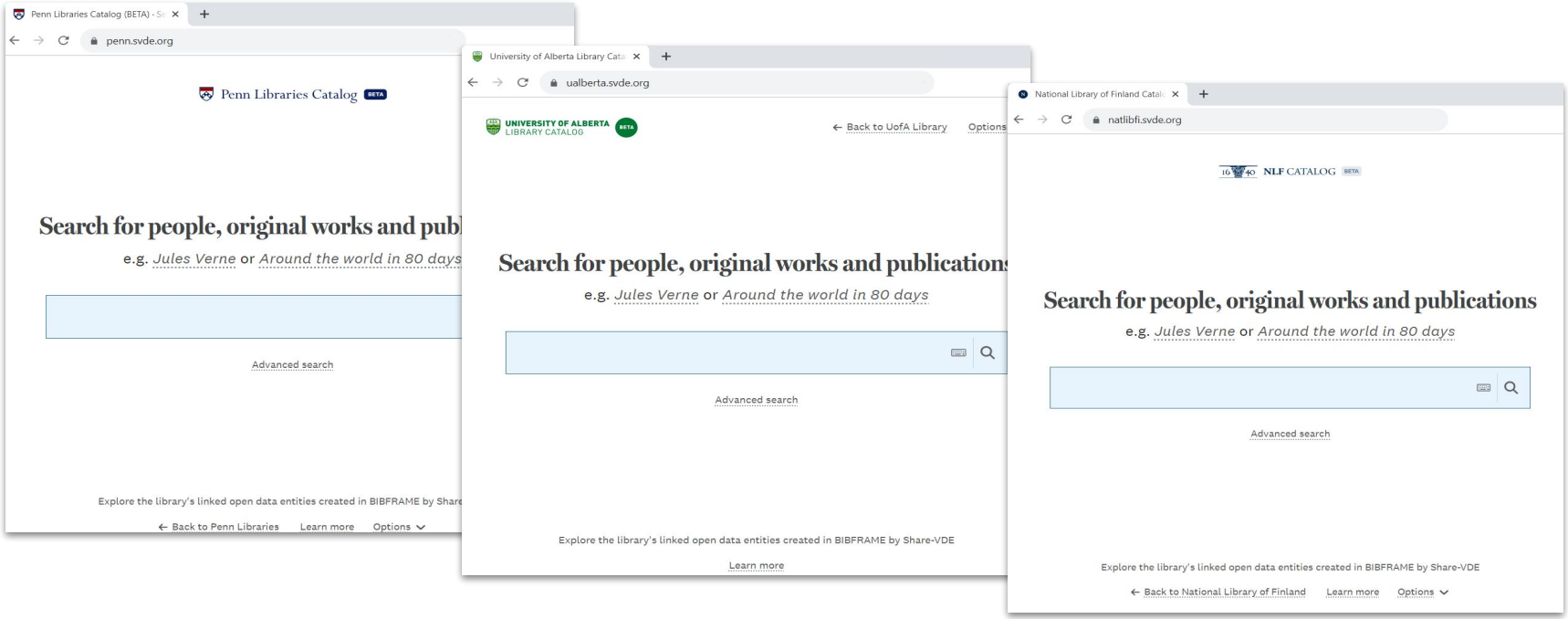
Three pilot projects for shared Linked Open Data environments in the domains of Art, Music and Manuscripts, Incunabula and Ancient books.

Share Family tenant infrastructure



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)



Share
ART
Art
Resources
in Linked
Open Data
ShareFAMILY

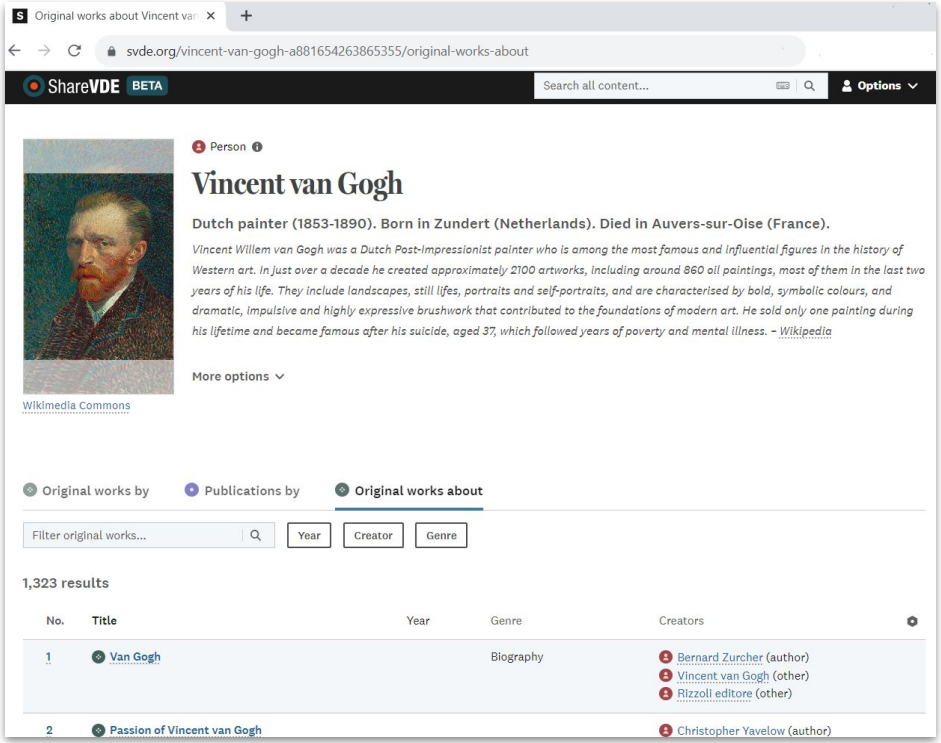
Share
FAMILY

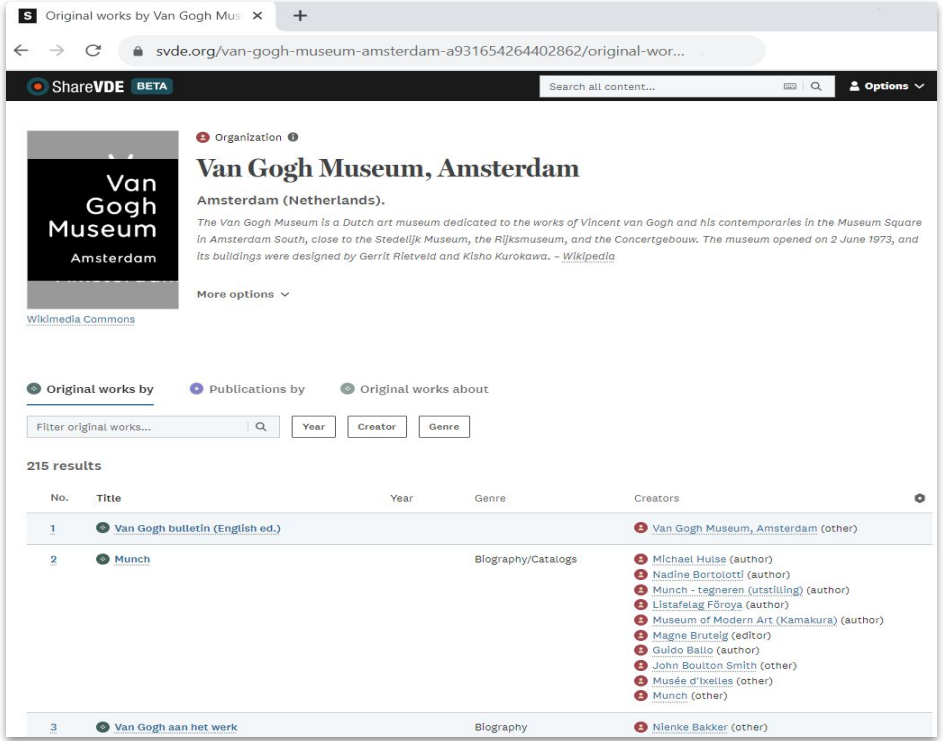
Starting point of the LOD Platform technology

The Share Family LOD Platform technology was originally designed to:

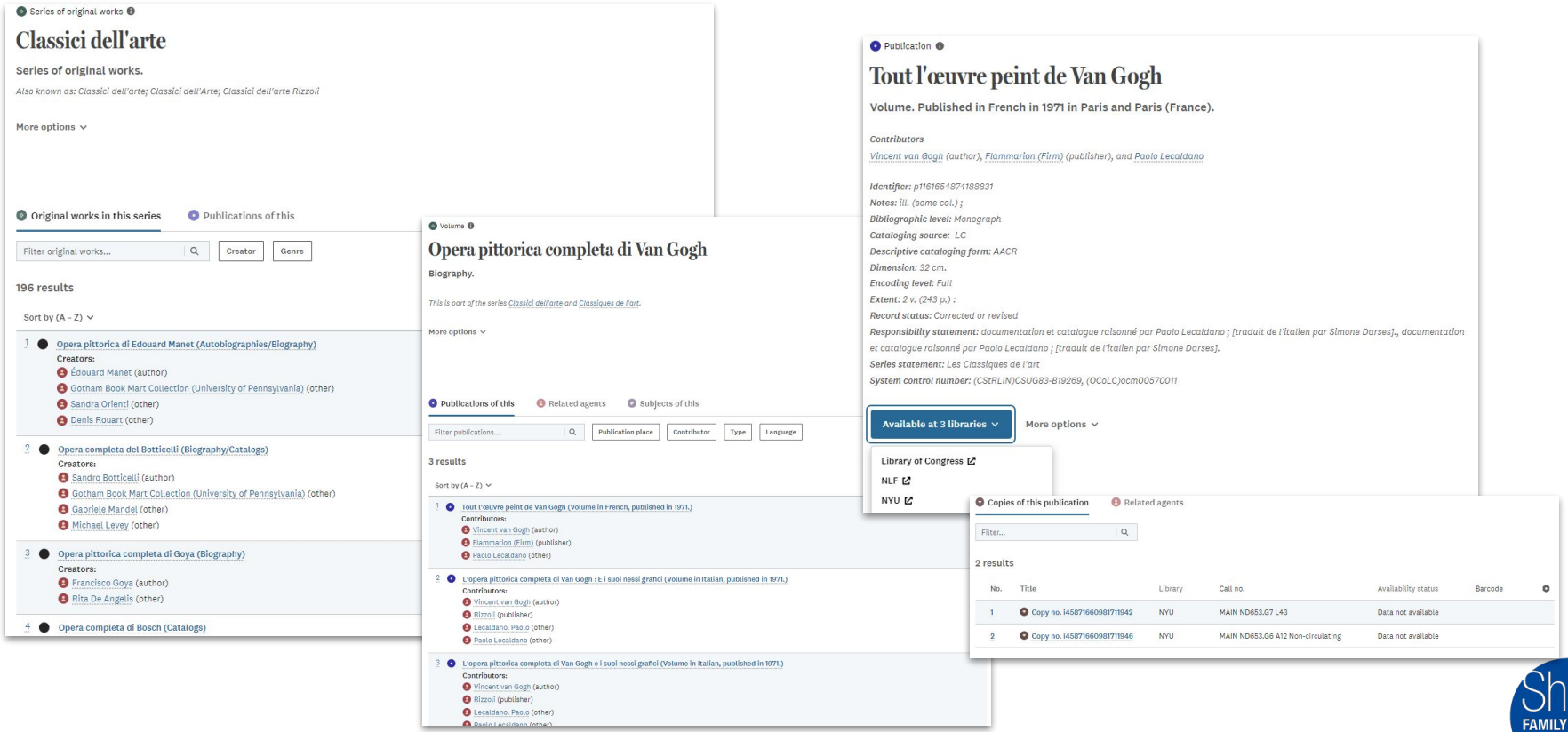
- enable an entity based UX/UI approach
- leverage the bibliographic catalogues in input from libraries
- create a network of linked data descriptions of library resources
- support a new generation of library data management

Art-related content in Share-VDE discovery #1

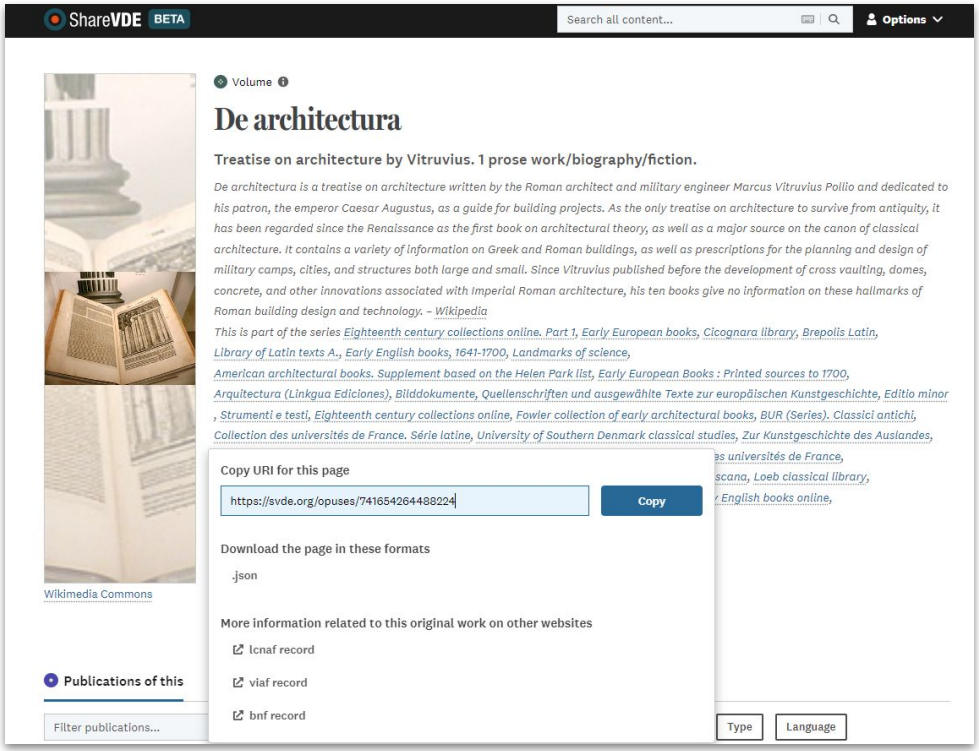


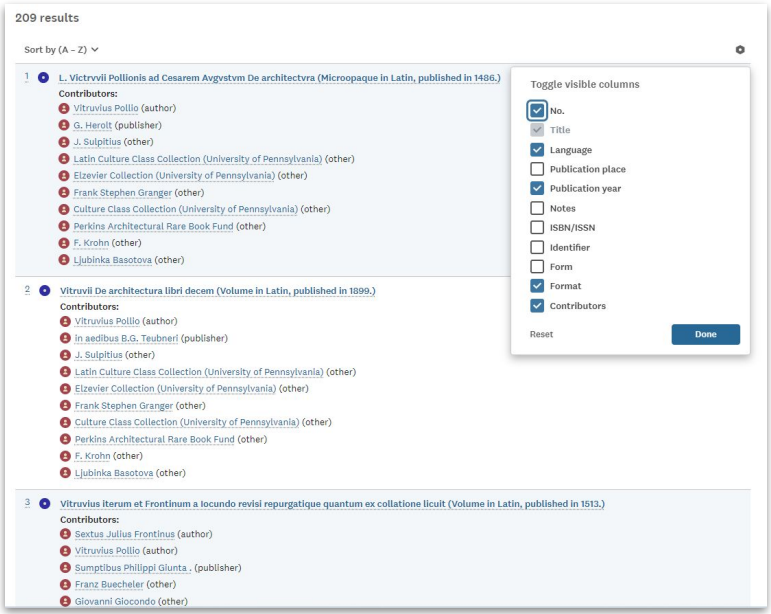


Art-related content in Share-VDE discovery #2



Art-related content in Share-VDE discovery #3





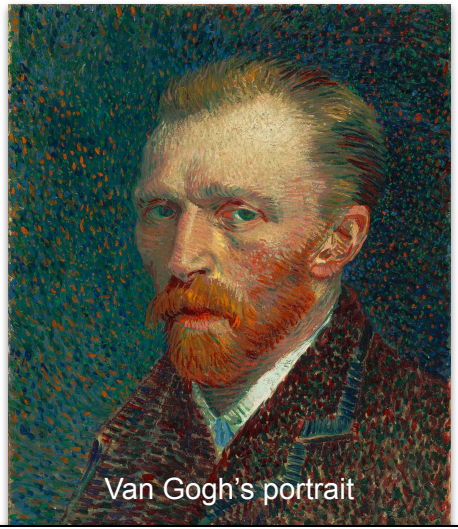
Evolution of the LOD Platform technology

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/)
- 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.

From bibliographic descriptions …



Bibliographic record of Van Gogh's Bedrooms, Marc21 (LOC catalogue)

=LDR 03141cam a2200409 i 4500
=001 18920848
=005 20161108130006.0
=008 151230s2016\\\\ilu\\\\\\bc\\\001\0deng\\
=906 \\$a7$bcbc$corignew$d1$eecip$f20$gy-gencatlg
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=955 \\$brk11 2015-12-30$irk11 2015-12-30 ONIX to Dewey$wx104 2016-01-04$axn12 2016-08-25 1 copy rec'd., to CIP ver.$frk05 2016-09-21 to CALM
=010 \\$a 2015051280
=020 \\$a9780300214864 (hardback)
=040 \\$aDLC$beng$cDLC$erda$dDLC
=042 \\$apcc
=050 00$a
=082 00$a
=084 \\$aA
=245 00$aV
Hendriks, Tei
=250 \\$aFi
=264 \1$aCh
=300 \\$a16
=336 \\$ate
=337 \\$aun
=338 \\$avo
=500 \\$a"\
of Chicago, Fi
=504 \\$aIn
=520 \\$a"C
own: his belo
so prized The
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extraordinary
Gogh's Bedrooms is a momentous occasion that, along with this accompanying catalogue, sheds new light on these iconic compositions and the circumstances of their making. The exhibition is groundbreaking also because it is the first to consider the theme of home in the artist's work"--$cProvided by publisher.
=600 10$aGogh, Vincent van,$d1853-1890.$tBedroom (Van Gogh Museum, Amsterdam)$vExhibitions.
=600 10$aGogh, Vincent van,$d1853-1890.$tBedroom (Art Institute of Chicago)$vExhibitions.
=600 10$aGogh, Vincent van,$d1853-1890.$tVan Gogh's bedroom in Arles (Musée d'Orsay)$vExhibitions.
=650 \0$aHome in art$vExhibitions.
=650 \7$aART / Individual Artists / Monographs.$2bisacsh
=650 \7$aART / History / Modern (late 19th Century to 1945).$2bisacsh
=650 \7$aART / Collections, Catalogs, Exhibitions / General.$2bisacsh
=700 1\$aGroom, Gloria Lynn.$eeditor.
=710 2\$aArt Institute of Chicago,$eorganizer,$ehost institution.

LC control no.: no2018161161
LCCN Permalink: https://lccn.loc.gov/no2018161161
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008 181126n| azannaabn |a aaa c
010 __ |**a** no2018161161
035 __ |**a** (OCoLC)oca11667562
040 __ |**a** OO |**b** eng |**e** rda |**c** OO
046 __ |**f** 1866 |**g** 1911
100 1_ |**a** Gogh, Vincent van, |**d** 1866-1911
400 1_ |**a** Van Gogh, Vincent, |**d** 1866-1911
670 __ |**a** Catalogue des collections de feu M. Vincent van Gogh à Amsterdam, 1912-1915: |**b** title page (Vincent van Gogh)

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

… to real world objects

ID.LOC.GOV

<http://id.loc.gov/authorities/names/n79022935>
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WIKIDATA

<http://www.wikidata.org/entity/Q5582> wkp:P106
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wkp:Q1028181 rdfs:label "pittore" .

OCLC WorldCat Identities

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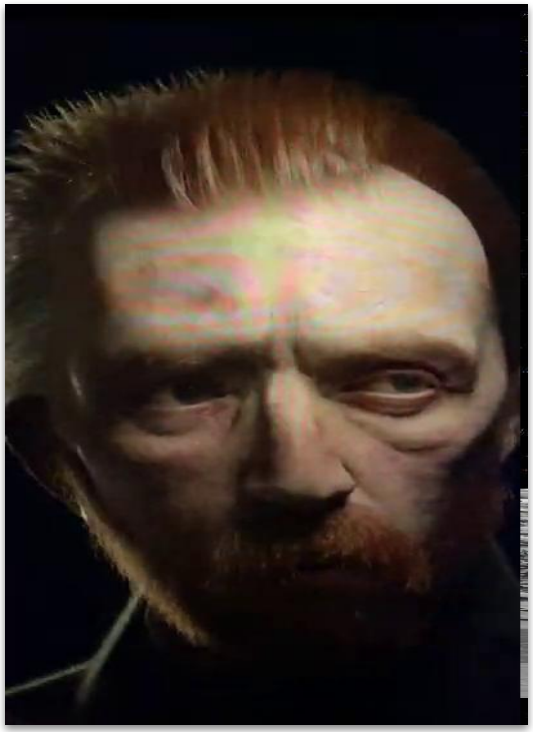

<https://www.svde.org/vincent-van-gogh-a881654263865355/original-works-by>
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Share VDE

ID.LOC.GOV

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_:b8iddOtlocdOtgovrwoagentsn79022935 .
_:b8iddOtlocdOtgovrwoagentsn79022935 rdfs:label

VIAF Virtual International Authority File

<http://viaf.org/viaf/9854560> skos:altLabel "Vincent van Gogh
pintor post-impresionista neerlandés" .

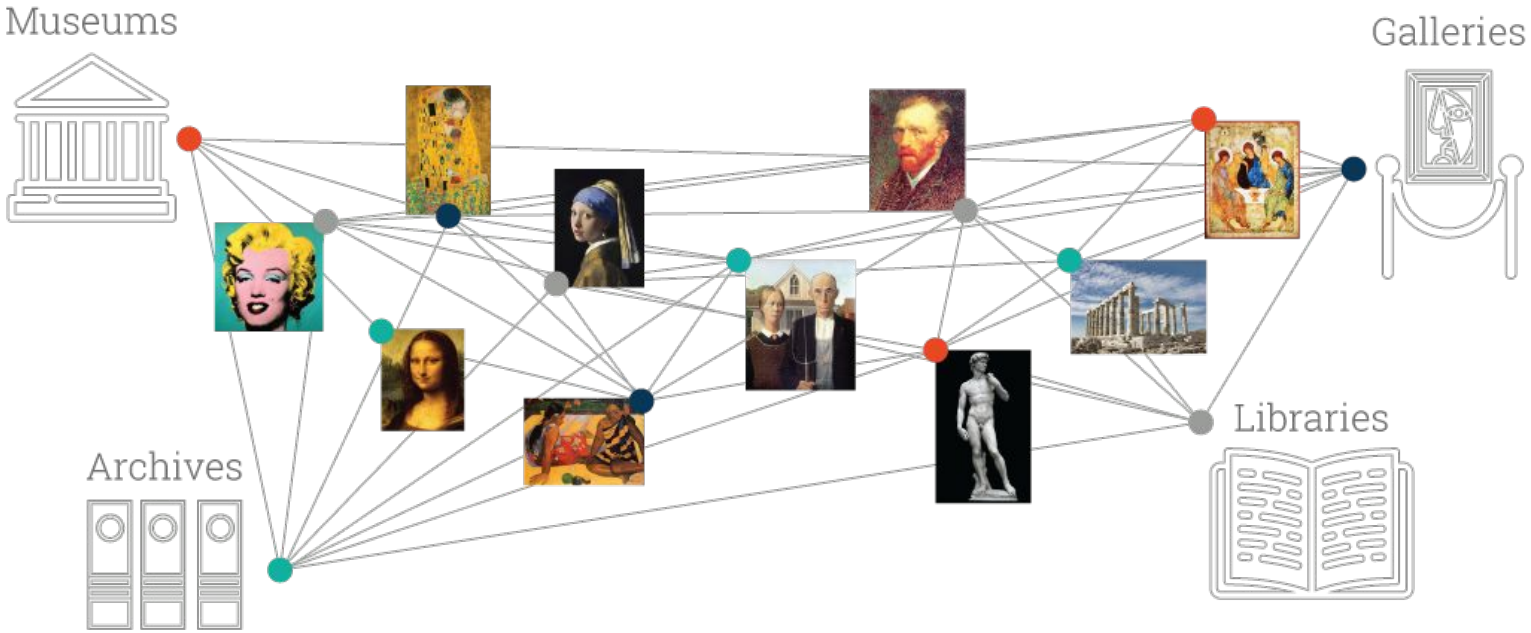
Van Gogh's 3D portrait by Sina Pahlevani
(reproduction from the original, available here:
https://www.youtube.com/watch?v=JB1bC8Dw0oQ&feature=youtu.be)

… 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/

Future steps for Share-ART

Emerging need for enhanced descriptions of **art objects** themselves (not only resources about art objects). Main steps to follow:

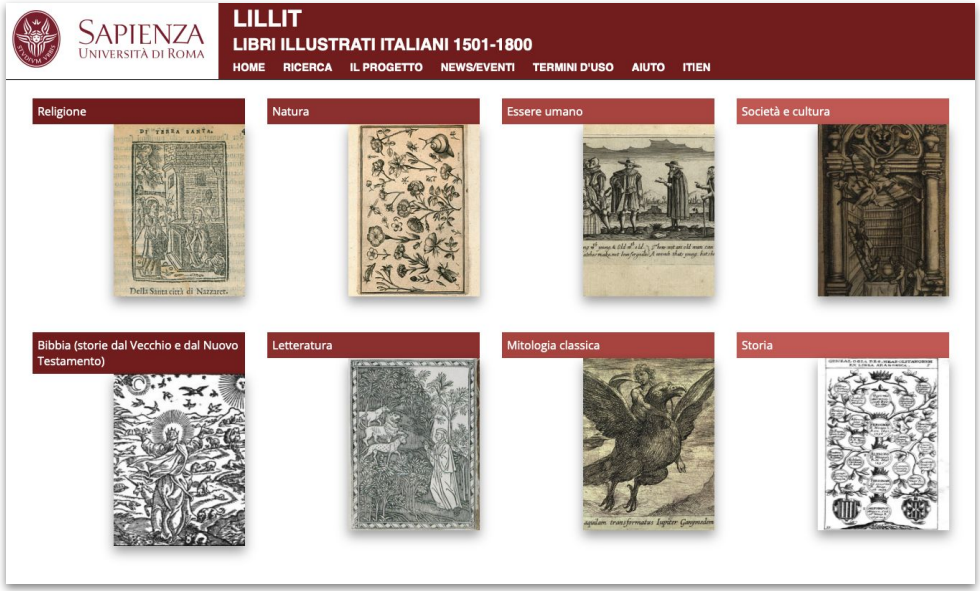
- adapt the discovery interface to art objects and their specific metadata standards
- integrate standards from the visual content domain into the Share Family technology (eg., IIIF) and extend Share Family ontologies
- interconnect diverse collections of member institutions for enhanced discovery options (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

Share MUSIC — Music Resources in Linked Open Data — ShareFAMILY

Share MIA — Manuscripts Incunabula Ancient books — ShareFAMILY

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:



Share FAMILY

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/