

Share Family Linked Data Ecosystem

Revision as of 12:01, 16 December 2022 ([view source](#))

[Anna Lionetti](#) ([talk](#) | [contribs](#))

mNo edit summary

Tag: [Visual edit](#)

[← Older edit](#)

Revision as of 13:19, 16 December 2022 ([view source](#))

[Anna Lionetti](#) ([talk](#) | [contribs](#))

mNo edit summary

Tag: [Visual edit](#)

[Newer edit →](#)

Line 173:

The Share Family map can also be consulted on a [http://bit.ly/Share_map_2019 dedicated web page].

[[File:Share family map.JPG|999x999px|link=https://wiki.share-vde.org/wiki/File:Share_family_map.JPG]]

__FORCETOC__

__NEWSECTIONLINK__

Line 173:

The Share Family map can also be consulted on a [http://bit.ly/Share_map_2019 dedicated web page].

[[File:Share Family map 2022.png|999x999px]]

__FORCETOC__

__NEWSECTIONLINK__

Revision as of 13:19, 16 December 2022

The **Share Family of initiatives** based on linked data comprises **Share-VDE** (Virtual Discovery Environment), **Share-Catalogue** (the Italian network of university libraries applying the Share principles), **Share-Art** (designed to support specialist art libraries. Parallel to Share-Art is the **Kubikat-LOD** pilot project, representing the linked open data entity discovery platform containing the catalogues of the Art History libraries of the Kubikat group), and **Share-Music** (a future pilot in the music domain). The different characteristics of each field are a useful asset that can be used to the advantage not only of the Share Family as a whole, but for each single discipline.

Being part of the **Share - Linked Data Environment** means facilitating cataloguing and exposition of bibliographic records in linked data, thus supporting the transition from the traditional cataloguing environment to innovative models applying the linked data paradigm, and providing the LAM - Libraries, Archives, Museums domain and information professionals with a more comprehensive suite of tools at their disposal.

The platform www.svde.org and the other dedicated environments part of the Share Family enhance the discovery potential of library resources and unveil information that would otherwise have been hidden in archives, thus enabling the access to a rich amount of data that can be exported and re-imported by the participating institutions.

The output common to all the branches of the Share Family foresees:

- the enrichment of original MARC data and of the records converted in linked data with identifiers from external sources (e.g. ISNI, VIAF) and original Share identifiers;
- the reconciliation and clusterization of entities;
- the indexing of records in the Cluster Knowledge Base, authoritative environment in linked data;
- the conversion of library catalogues from MARC to linked data;
- delivery of converted and enriched data to libraries for reuse in their systems;
- the publication of library records in linked data on the relative Share discovery platform.

Download the [Share Family brochure](#) for public distribution.

Contents

1 The Share Family technology: the LOD Platform	3
2 The Share Family branches (tenants)	3
3 The Share Family institutions and map	4

The Share Family technology: the LOD Platform

The technology underlying the systems part of the Share Family is based on the LOD Platform, that is a highly innovative technological framework, an integrated ecosystem for the management of bibliographic, archive and museum catalogues, and their conversion to linked data, extensible as needed for specific purposes.

For more details, see a summary of the [main components of the LOD Platform](#) and an [extensive description](#) of the framework.

The Share Family technology relies on a [tenant infrastructure](#). In the system architecture, a tenant is a pool of institutions contributing to the same Cluster Knowledge Base. Multiple tenants form the Share Family. Family members can interoperate among respective Cluster Knowledge Bases through a centralized registry.

The Share Family branches (tenants)

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 Family 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.

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 or group of institutions that the skin portal has been designed for.

TENANT NAME	Share-VDE	Kubikat-LOD pilot project	PCC data pool	National bibliographies	Share-Catalogue
TENANT WEB PORTAL URL	https://svde.org	https://kubikat-lod.org	https://pcc-lod.org	https://natbib-lod.org	http://catalogo.share-cat.unina.it/
DATA HOSTED IN TENANT	catalogues of SVDE member libraries converted to linked	catalogues of Kubikat art history libraries	records of PCC members converted to	national bibliographies of institutions participating to this branch converted to	catalogues of Share-Catalogue member libraries converted to

TENANT NAME	Share-VDE	Kubikat-LOD pilot project	PCC data pool	National bibliographies	Share-Catalogue
CKB	data	converted to linked data	linked data	linked data	linked data
SKIN PORTAL WITHIN THE SAME TENANT	one skin portal for each SVDE member institution	not foreseen	not foreseen	British National Bibliography (others TBD)	not foreseen
SKIN WEB PORTAL URL	initial version of skin portals (others in progress): https://duke.svde.org https://loc.svde.org/ https://natlibfi.svde.org/ https://nl.svde.org/ https://nyu.svde.org/ https://penn.svde.org https://smithsonian.svde.org/ https://stanford.svde.org https://ualberta.svde.org	not foreseen	not foreseen	https://bl.natbib-lod.org/ (preview of a beta site)	not foreseen

The Share Family institutions and map

The Share Family institutions can participate in one or more tenants. Here follows the summary of the institutions part of the Share Family tenants and its network.

Share-VDE members		Share Family members	
Share-VDE full members	LD4P cohort members	Share-Catalogue Institutions	Kubikat-LOD pilot project
Duke University	Cornell University	Università Degli Studi di Napoli "Federico II"	Kunsthistorisches Institut in Florenz
New York University	Frick Art Reference Library	Università degli Studi della Basilicata	Biblioteca Hertziana, Rome
Stanford University	Harry Ransom Center Texas A&M	Università Degli Studi di Napoli L' Orientale	Central Institute of Art History, Munich
University of Alberta - NEOS consortium	Harvard University	Università degli Studi di Napoli Parthenope	Deutsches Forum für Kunstgeschichte, Paris
University of Chicago	National Library of Medicine	Università del Salento	
University of Michigan at Ann Arbor	Northwestern University	Università degli Studi di Salerno	
University of Pennsylvania	Princeton University	Università degli Studi del Sannio RCost	
Vanderbilt University	University of California Davis		
Yale University	University of California San Diego	Università degli Studi della Campania "Luigi Vanvitelli"	
	University Colorado at Boulder		
National libraries	University of Minnesota		
Library of Congress	University of Texas A&M		
National Library of Norway	University of Washington		
National Library of Finland			
Smithsonian Institution			
The British Library			
			Share-Music project
			Bayerische Staatsbibliothek
			Library of Congress
			Stanford University

The Share Family map can also be consulted on a [dedicated web page](#).

