Share Family Linked Data Ecosystem

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Revision as of 15:14, 27 October 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** 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 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.

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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**. A tenant is represented by a pool of institutions contributing to the same Cluster Knowledge Base. Multiple tenants form the Share Family. Family members interoperate among respective Cluster Knowledge Bases through a centralized registry. For more details on the Share Family tenant infrastructure see the **Summary of Share Family tenants**.

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. 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.

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	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 CKB	catalogues of SVDE member libraries converted to linked data	catalogues of Kubikat art history libraries converted to linked data	records of PCC members converted to linked data	national bibliographies of institutions participating to this branch converted to linked data	catalogues of Share-Catalogue member libraries converted to linked data
SKIN PORTAL WITHIN THE	one skin portal for each SVDE member			British National Bibliography	

TENANT NAME	Share-VDE	Kubikat-LOD	PCC data pool	National bibliographies	Share-Catalogue
SAME TENANT	institution	not foreseen	not foreseen	(others TBD)	not foreseen
SKIN WEB PORTAL URL	initial version (other in progress): https://loc.svde.org/ https://natlibfi.svde.org/ https://nln.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

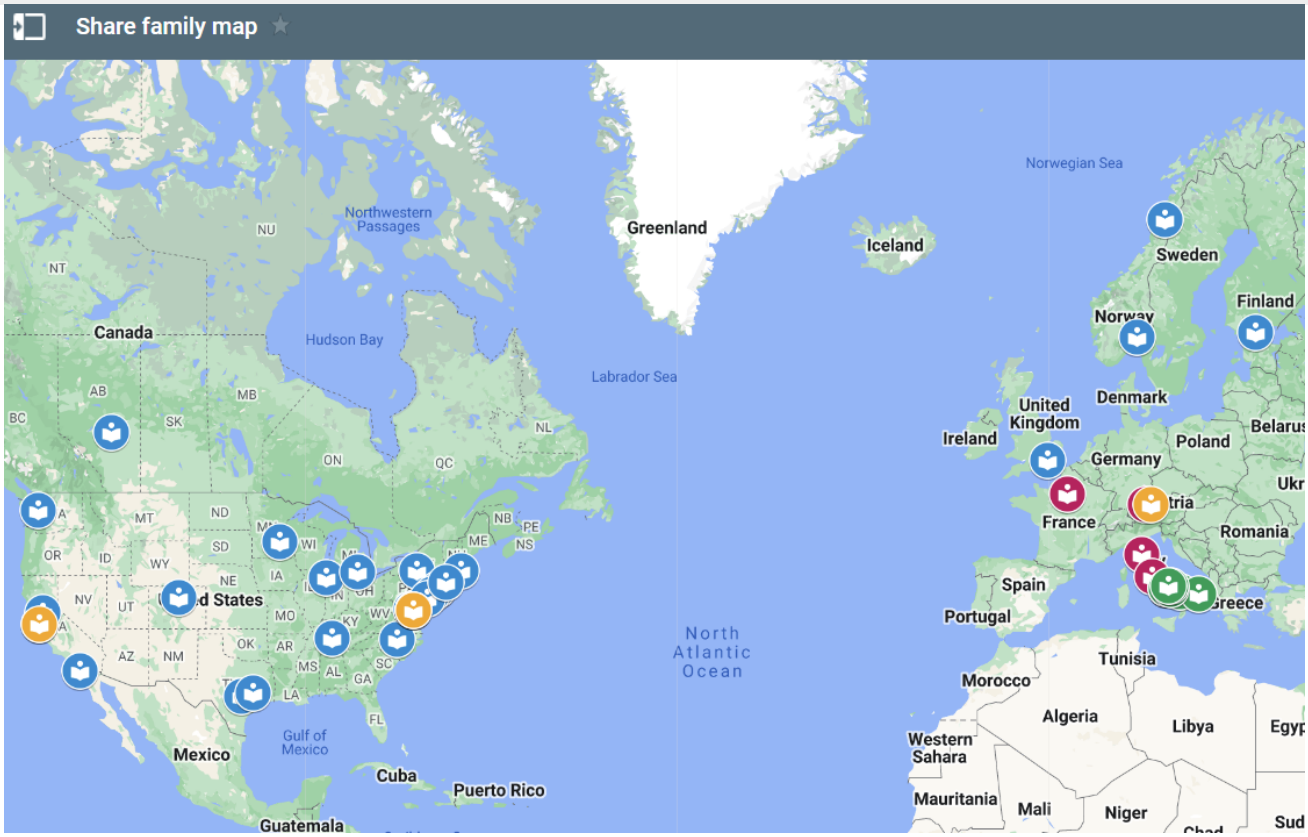
The Share Family institutions and map

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

Share-VDE members		Share Family members	
Share-VDE full members	**LD4P cohort members**	**Share-Catalogue Institutions**	**Kubikat-LOD 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

Share-VDE members		Share Family members	
Share-VDE full members	**LD4P cohort members**	**Share-Catalogue Institutions**	**Kubikat-LOD project**
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	
Yale University	University of California Davis	Università degli Studi della Campania “Luigi Vanvitelli”	
	University of California San Diego		
National libraries	University Colorado at Boulder		**Share-Music project**
Library of Congress	University of Minnesota		Bayerische Staatsbibliothek
National Library of Norway	University of Texas A&M		Library of Congress
National Library of Finland	University of Washington		Stanford University
Smithsonian Institution			
The British Library			

The Share Family map can also be consulted on a dedicated web page.


Share family map
Northwestern Passages
Greenland
Iceland
Norwegian Sea
Sweden
Finland
Norway
Canada
Hudson Bay
Labrador Sea
United Kingdom
Denmark
Ireland
Poland
Germany
France
Romania
Spain
Portugal
North Atlantic Ocean
Tunisia
Morocco
Algeria
Libya
Western Sahara
Mauritania
Mali
Niger
Gulf of Mexico
Mexico
Cuba
Puerto Rico
Guatemala