



Virtual
Discovery
Environment

An effective environment for the use
of **linked data** by **libraries**



what

Share-VDE is a library-driven initiative which brings together the bibliographic catalogues and authority files of a **community of libraries** in a shared discovery environment based on linked data.

who



Share-VDE is a collaborative endeavour, based on the requirements and perceptions of libraries, promoted by:

Casalini Libri, provider of bibliographic and authority data as member of the Program for Cooperative Cataloguing,

@Cult, provider of ILS, Discovery tools and Semantic web solutions for the cultural heritage sector,

with input and active participation from an international group of **22 research libraries** and influenced by the vision of the **LD4P initiative**.

The collaborative initiative is steered by the library community.

A close-up, slightly blurred map of the Eastern United States. The word "where" is overlaid in large, white, sans-serif font across the center of the map. The map shows various states including Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and parts of Pennsylvania, New York, and Massachusetts. Major cities like New York, Philadelphia, Boston, and Atlanta are visible. The Gulf of Mexico is labeled at the bottom left. The map is color-coded by state, with yellow for Virginia and North Carolina, orange for South Carolina, and green for Georgia and Florida.

where

Share-VDE currently connects the catalogues of 22 university libraries in the US and Canada, and is now expanding to a broader network.

It is potentially open to any library.



how

The **Share-VDE** advanced discovery interface harnesses the potential of **Linked Data** to offer an easy and intuitive user experience and deliver ever more wide-ranging and detailed search results to library patrons.

Library catalogues are converted to **RDF** (Resource Description Framework) using the **BIBFRAME** vocabulary and other ontologies before being published in a shared environment.

In addition to inclusion in the Share-VDE database, each individual library receives the information corresponding to its own catalogue in Linked Data; this may be re-used according to local requirements and with no restrictions.



why

Enrich library data with URIs and additional information previously unexpressed under MARC21.

Extend the discovery of library resources for end users.

Keep pace with Semantic Web applications.

Create a database of relationships and a database of clusters of library materials (Cluster Knowledge Base) accessible in RDF.

Collaborate with the Linked Data for Production (LD4P) initiative and the Program for Cooperative Cataloging (PCC) on the application and understanding of linked data.

Follow developments relating to the original production of data in BIBFRAME format and workflows based on Linked Data.



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