

Share Virtual Discovery Environment in Linked Data (SHARE-VDE)

Short Summary



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SWIB18

What is SHARE-VDE?



SHARE-VDE is a library-driven initiative to establish an **effective working environment** for the use of linked data by libraries within a global context.

Library data are **enriched** with additional information and relationships, and bibliographic and authority data are converted in linked data.

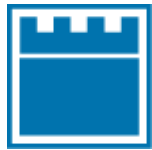


A **virtual discovery platform** with the three-layered structure of the **BIBFRAME** data model is created to simplify the way in which that data is consumed.



Who is responsible for it?

SHARE-VDE is a collaborative endeavour based on the needs of libraries, developed by:



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



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



with initial input and active participation from **16 North American Research Libraries**.

SHARE-VDE is driven by the library community and influenced by the vision of the **LD4P** project, its partners and cohort members.



SHARE-VDE overall goals

Enrichment of MARC record with URIs;

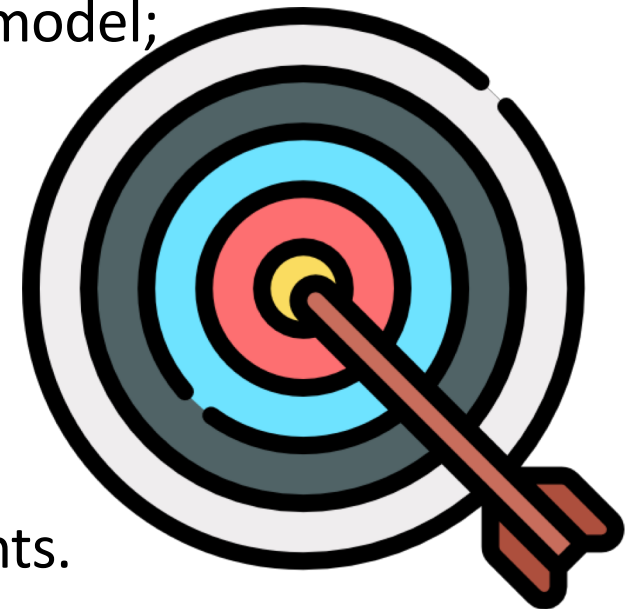
Conversion from MARC to RDF using the BIBFRAME vocabulary (and other additional ontologies as needed) through entity detection, data **reconciliation** and **clustering** processes;

Data publication according to the **BIBFRAME** data model;

Batch/automated **data updating** procedures;

Batch/automated **data dissemination** to libraries;

Progressive implementation of **use cases**, with priorities defined by the SHARE-VDE participants.



SHARE-VDE phases

Phase
1

October 2016 – January 2017

1985 and 2015 imprint titles;
2,249,397 bib-records and 3,601,327 auth-records.

Phase
2

March 2017 – May 2018

The entire catalogues for all resource types;
94,378,728 bib-records and 24,150,238 auth-records.

Phase
3

Production environment: January 2019-

For over 20 libraries, with the review of the
Transformation Council and the Work Identification
Working Group; in progress.



SHARE-VDE participation

Aims to guarantee the **cultivation of a library's bibliographic holdings in RDF** over time through:

- the **SHARE-VDE Linked Data Lifecycle Support (LDLS)**;
- the **Cluster Knowledge Base (CKB)**;
- the **SHARE-VDE platform as a common Discovery System (SVDS)**.



SHARE-VDE next steps

Internationalization of the SHARE-VDE environment and its CKB in relationship also with new projects;

Strategies to make the SHARE-VDE environment a **trusted source of identifiers** and to facilitate interaction with international initiatives as Wikidata, VIAF, ISNI etc.;

Cluster Knowledge Base Editor: a new system to interact with the CKB;

APIs layer for ILS and other LD systems (such as BF editors and triplestores);

Authority management and services;

Reporting to serve library needs.



SHARE-VDE & the library community

Active in facilitating the discussion at an international level

Second European BIBFRAME Workshop (Fiesole, September 2018)



Speeches & Presentations: <http://www.casalini.it/EBW2018/>



**For more information please contact
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