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

Short Summary
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.
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/](http://www.casalini.it/EBW2018/)
For more information please contact the SHARE-VDE team at

info@share-vde.org