

LEIBNIZ DATA MANAGER

AN ADAPTIVE RESEARCH DATA MANAGEMENT SYSTEM

Try the
Leibniz Data
Manager!



// MOTIVATION

Exponential growth of available data during the last decade has generated a tsunami of available scientific datasets in heterogeneous formats.

// OBJECTIVES

Exploit FAIR principles and Semantic Web technologies to support researchers in documenting, analyzing, and sharing research datasets.

// METHODS

Adaptive research data management system based on CKAN, able to integrate datasets published in other repositories.

// FUNCTIONS

- Supports data collections and publications with different formats
- Visualization of research data
- Different views on the same data set (2D and 3D support)
- Visualization of AutoCAD files
- Jupyter Notebook(s) for demonstrating live code
- RDF Description of data collections

// ADVANTAGES

- Fine-grained description of datasets
- Overview of metadata
- Better visualization of the existing metadata
- Data services implemented as Jupyter notebooks
- Datasets can be imported and integrated from other repositories
- Grouping can be done associated with various datasets
- All necessary information is present in the bundle together

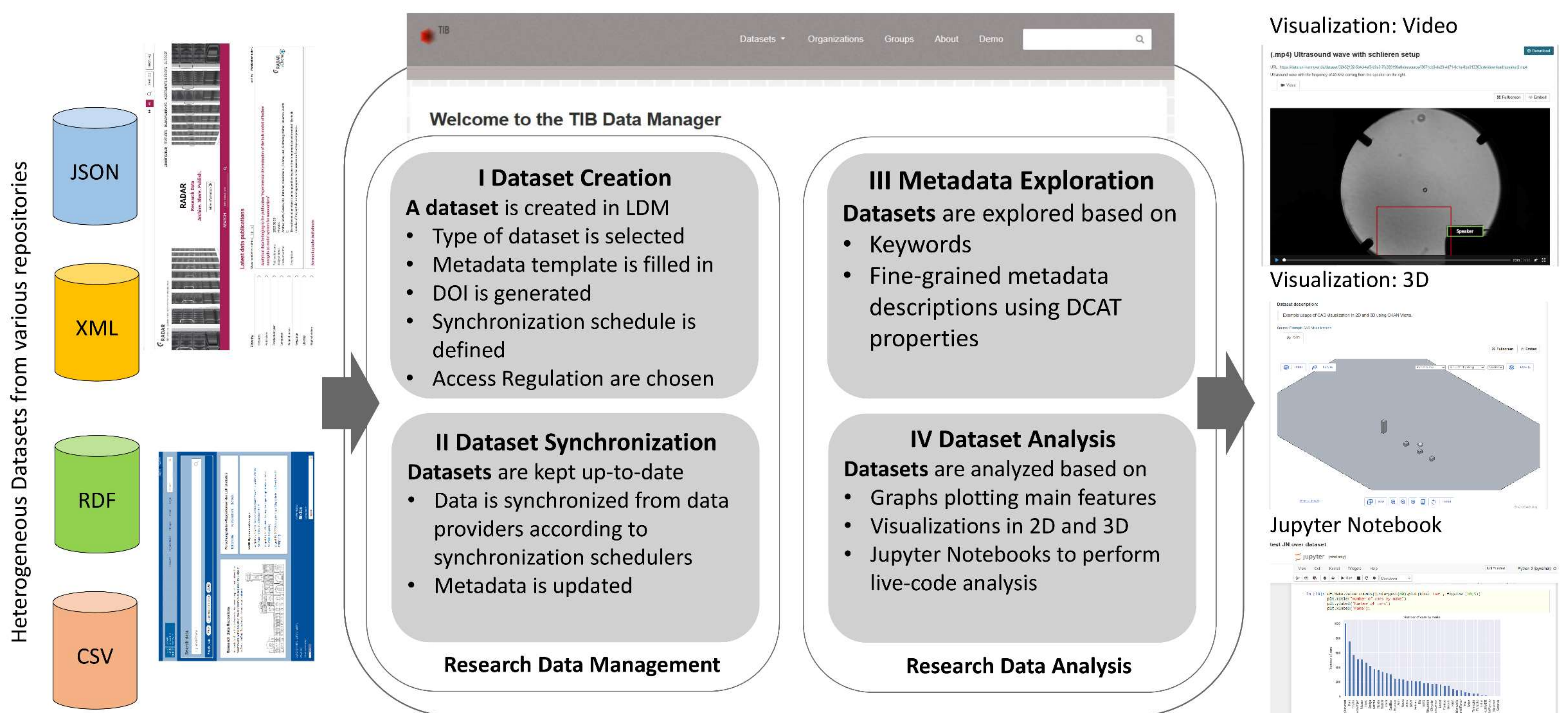


FIGURE 1: LDM Architecture

ANNA BEER MAURICIO BRUNET ANGELINA KRAFT MARIA-ESTHER VIDAL

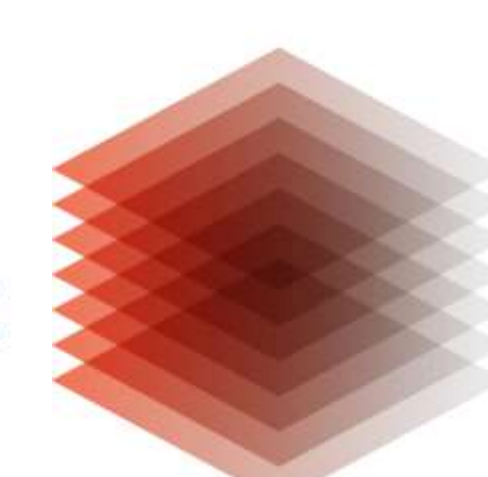
Contact us at Service.LDM@tib.eu



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