The project linked.swissbib.ch integrates the metacatalog swissbib into the semantic web, together with the creation of a Linked Data service. This implies the transformation of the metadata from different Swiss library networks into an RDF based format, its enrichment and its publication. Main challenges arise from the requirement of fully automated processes to allow daily updates.

**Data Sources**

About 15 library networks or repositories deliver their data to swissbib.

**Upstreams**

Data is delivered at a daily frequency.

**Data Streams in linked.swissbib.ch**

The Swiss metacatalog in the Linked Open Data Cloud

**References**


**Interlinking**

Swissbib data about persons are compared and enriched. To achieve this, it is transformed into the N-Triple format and dumps of the external reference databases are imported, enabling a more efficient process. Main constrains arise here from the sometimes poor data quality and the huge data quantity.

**Downstreams**

Data are made available for use and reuse.

**End User**

Besides the classic interface (not on this poster), the infrastructure provides an interface with a better user experience.

**CC0 Filter**

This data are destined for massive reuse, but do nevertheless come from various providers with various terms of use. To avoid any problem of attribution for the reuser, only data licensed under CC0 are accessible via the API.

**Computer Clients**

A RESTful service relying on Hydra provides the data in various RDF serialisations for other applications to encourage data reuse and ensure a high level of interoperability.