



The RBV metadata catalog

Francois ANDRE (1), Laurence FLEURY (1), Jerome GAILLARDET (2), and Guillaume NORD (3)
(1) SEDOO, OMP Data Service, Toulouse, France (rbv@sedoo.fr), (2) IPGP, Paris, France, (3) LTHE, Grenoble, France

RBV (Réseau des Bassins Versants) is a French initiative to consolidate the national efforts made by more than 15 elementary observatories funded by various research institutions (CNRS, INRA, IRD, IRSTEA, Universities) that study river and drainage basins.

The RBV Metadata Catalogue aims at giving an unified vision of the work produced by every observatory to both the members of the RBV network and any external person interested by this domain of research. Another goal is to share this information with other existing metadata portals.

Metadata management is heterogeneous among observatories ranging from absence to mature harvestable catalogues. Here, we would like to explain the strategy used to design a state of the art catalogue facing this situation.

Main features are as follows :

- Multiple input methods: Metadata records in the catalog can either be entered with the graphical user interface, harvested from an existing catalogue or imported from information system through simplified web services.
- Hierarchical levels: Metadata records may describe either an observatory, one of its experimental site or a single dataset produced by one instrument.
- Multilingualism: Metadata can be easily entered in several configurable languages.
- Compliance to standards : the backoffice part of the catalogue is based on a CSW metadata server (Geosource) which ensures ISO19115 compatibility and the ability of being harvested (globally or partially). On going tasks focus on the use of SKOS thesaurus and SensorML description of the sensors.
- Ergonomy : The user interface is built with the GWT Framework to offer a rich client application with a fully ajaxified navigation.
- Source code sharing : The work has led to the development of reusable components which can be used to quickly create new metadata forms in other GWT applications

You can visit the catalogue (<http://portailrbv.sedoo.fr/>) or contact us by email (rbv@sedoo.fr).