

Proposal for a demonstration of the BAsel Register of Thesauri, Ontologies & Classifications (BARTOC) at the 14th European Networked Knowledge Organization Systems (NKOS) Workshop

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The BAsel Register of Thesauri, Ontologies & Classifications (BARTOC, <http://bartoc.org>) is a bibliographic database aiming to record metadata of as many Knowledge Organization Systems as possible. It has a faceted, responsive web design search interface in 20 EU languages. With more than 1'300 interdisciplinary items in 77 languages, BARTOC is the largest database of its kind, multilingual both by content and features, and it is still growing. This being said, the demonstration of BARTOC would be suitable for topic nr. 10 [Multilingual and Interdisciplinary KOS applications and tools]. BARTOC has been developed by the University Library of Basel, Switzerland. It is rooted in the tradition of library and information science of collecting bibliographic records of controlled and structured vocabularies, yet in a more contemporary manner. BARTOC is based on the open source content management system Drupal 7 and provides the following features:

- Abstracts in original language (when available)
- Metadata are enriched with DDC-numbers down to the third level, and subject headings from EuroVoc, the EU's multilingual thesaurus
- The "DDC Statistics" pie chart shows the distribution of vocabularies by subject
- Search results can be refined intuitively by facets (Topic, DDC, Language, Type, Format, Access)
- In addition to a basic search (with a multilingual autocomplete function) and an advanced search, data can be investigated via a world map (Tab "GeoSearch")
- Users can vote for certain KOS (Tab "Top-rated content"), so that statements can be made about their quality and/or dissemination
- The users get informed about newly added vocabularies (Tab "Recent content")
- Users can suggest new KOS using the contact form

Metadata are freely available in the public domain (PDDL 1.0) and are connected into a linked open data infrastructure with database dump (download in XML, CSV, DOC, TXT, XLS and JSON (Tab "Download")) and SPARQL endpoint. What distinguishes BARTOC from other services like Linked Open Vocabularies (LOV), VEST Directory, BioPortal et cetera is its universal approach concerning KOS types (Thesauri, Ontologies, Classifications, Glossaries, Controlled Vocabularies, Taxonomies), subject areas, publication formats or accessibility.

Launched in late 2013, BARTOC hasn't been promoted much in relevant communities like NKOS yet. Nevertheless, BARTOC has had a total of 160'000 visits and 1'300'000 page views (as of June 5, 2015) since its introduction about one and a half years ago. In addition to the pure advertising effect, demonstrating the tool at the workshop would help to gather feedback and make BARTOC even better. [429 words]