



ViBRANT status report (M4.39)

Deliverable D4.2, Ontology Tools

M4.39 - Term browser

Develop a term browser for improved discovery of vocabulary terms used for documentation of biodiversity information resources.

Leading partner: Global Biodiversity Information Facility (GBIF)

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August 2012

GBIF Term Browser

The prototype application (<http://kos.gbif.org/termbrowser/>) allows a user to browse for terms defined in widely used vocabularies such as Darwin Core, Dublin Core, FOAF, etc., including, where available, translations. The idea is to allow someone to quickly see if a term already exists so they can re-use it rather than minting it afresh. This application is purely for searching and browsing and does not replace the need for tools such as ISOcat¹ and SemanticMediaWiki² as collaborative platforms for actually creating vocabularies (and translations).

The term browser application is based on Solr³, the technology also used for the GBIF occurrence/names index. It allows highly flexible, faceted searching⁴ (Figure 1). The facets provided are vocabulary, type (class or property) and language.

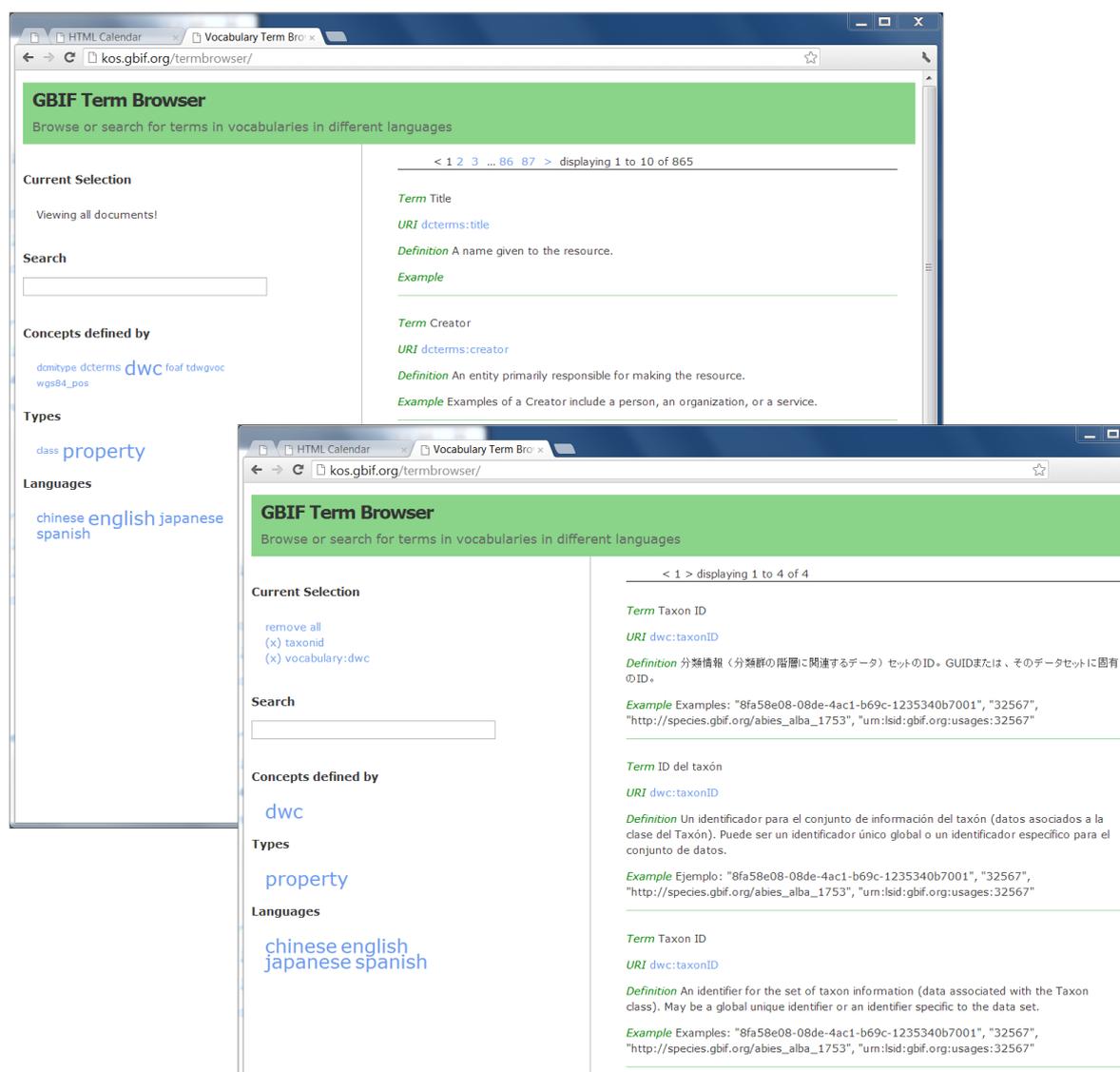


Figure 1. The GBIF term browser provides an interface for faceted searching. For example, in the upper screen, no filter has been applied and all 865 terms are available for browsing. In the lower right screen, all Darwin Core terms containing the string "taxonid" have been selected. If required, a further language filter could then be applied.

¹ <http://kos.gbif.org/isocat/interface/>

² <http://semantic-mediawiki.org/>

³ <http://lucene.apache.org/solr/>

⁴ http://en.wikipedia.org/wiki/Faceted_search

