

Structuring ecological thesauri and semantic sources

A working group session to discuss current practices, tools and possible relations with the Observation and Measurements paradigm

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The aim of this round table is to discuss the current practices within those groups working on ecological Thesauri. Semantic technologies, SKOS thesauri, references to authoritative sources for annotating environmental and ecological data, are factors which are fostering metadata interoperability. The opportunity to discuss together the individual practices and, possibly, to share the experiences could constitute the background for further developments in this direction. During the round table the following topics will be discussed:

Technologies:

- Tools for thesauri composition
- SPARQL versions
- Tools for mapping among vocabularies (e.g. pure SPARQLing, Silk, ...)

Conceptual organization:

- SKOS/RDF Practices for grouping the vocab concepts
- Hierarchy type (monohierarchical vs polyhierarchical thesauri structure) and motivations/meanings
- Use of extra-SKOS elements (RDFS, SKOS-XL ...)
- Use and structure of thesauri in relation to Observations and Measurements

The participants will be invited to contribute to the edition of a report of the outcomes of the discussion that will be published on the LifeWatch Italy portal.