

Annotation, Representation and Navigation in Semantic Wikis

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How to annotate wiki information?

- ▶ attribution: subject the page on which annotation appears?
- ▶ granularity: annotation about document, sentence, word
- ▶ representation distinction: page vs. concept
- ▶ terminology reuse: allow reuse of existing terms
- ▶ object type: is annotation textual, structural, or ontological
- ▶ context: provenance (when, by whom was it stated) and scope (when/where is it valid) of annotation

How to represent wiki information?

- ▶ annotations can describe both documents and concepts
- ▶ W3C created-on 2006-01-01: the page or the organisation
- ▶ “don’t use locator for something without a location”
- ▶ separate document (URL) and concept (URN)
- ▶ allow annotations of both

How to navigate wiki information?

- ▶ faceted browsing (iTunes): good for fixed data structures
- ▶ semantic annotations result in arbitrary graph
- ▶ treat wiki navigation as exploration of arbitrary RDF graph
- ▶ facets = predicates, facet values = objects
- ▶ automatic facet construction (based on statistical properties of dataset: frequency, distribution, object cardinality)

- ▶ `http://semperwiki.org`
- ▶ `http://browserdf.org`