SemanticWiki mini-series

Session-1 Summary:
A Survey of the Landscape and State-of-Art in Semantic Wiki

Co-chairs:

Sebastian Schaffert (Salzburg Research, Austria),
Max Völkel (AIFB-Karlsruhe)

Semantic Wikis

- **annotation of existing structures with machine readable metadata**
  links carry meaning, typing of links, typing of pages

- **context dependent adaptation and presentation**
  different domains have different ways of presenting content, personal preferences, etc.

- **improved, „intelligent", search and navigation**
  queries to the structure, visualisation of structure, derived information

- **improved interoperability between systems**
  exchange of content, integration of different systems, agents, etc

Semantic Wiki Engines

- AceWiki – controlled english
- Artificial Memory – personal knowledge management
- BOWiki – biomedical domain
- Confluence Plugins (Metadata, Scaffolding) - commercial
- Hypertext Knowledge Workbench – personal knowledge management
- IkeWiki – core of KiWi project
  - SWiM - offshoot of IkeWiki
- OntoWiki – free-form database
- OpenRecord – free-form database
- SweetWiki – semantic tagging
- Semantic MediaWiki (MediaWiki extension) – Semantic Wikipedia
  - HaloExtension – extension of Semantic MediaWiki, browsing & refactoring
  - Semantic Forms – free-form database
  - ... Many more Semantic MediaWiki extensions
- SWOOKI – a peer-to-peer based SemWiki

http://semanticweb.org/wiki/Semantic_Wiki_State_Of_The_Art

Semantic Wiki Application Areas

- Knowledge Management
- Semantic Wikipedia / Semantic Encyclopedia
- eLearning
- Ontology Engineering

Semantic Wiki as Platform

- wiki as philosophy rather than technology: same principle holds for most other Web 2.0/Social Web applications

- breaking information and system boundaries: integrating information and giving different perspectives on the same information

- Semantic Wikis as generic platform for developing many different kinds of Social Web applications

Semantic Wikis as Testbed for the Semantic Web

- Semantic Wikis connect the real world with the Semantic Web

- Semantic Wikis are the "Semantic Web in Small", because a Wiki is "Web in Small"

- Semantic Wikis share many common properties with the Semantic Web

- most technologies developed on the Semantic Web can be used and evaluated in Semantic Wikis

  (my challenge: if it is not useful in Semantic Wikis, it is not useful at all!)