

Report from NKOS Workshop 2009

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Workshop summary (1/2)

- Part regulars and part newcomers
- Presentations included KOS creation, management, and use
- 5/8 presentations involved existing KOS standards and library classification schemes (UDC, OPAC, DDC, ISO 25964)
 - Major portion of the subsequent discussions
- Some organizers and presenters could not attend

Workshop summary (2/2)

- Domains represented: aquatic sciences, economics
- Issues with mapping among different KOS' in the same domain
- Most projects use controlled vocabularies and KOS' for improved information retrieval

Three talks ...

User Interface Design for Search Term Recommendation and Interactive Query Expansion Services

- Paper prototyping of interface for search term recommendation
- Provides overall phrase recommendations (instead of just term)
- One finding: too early suggestions lead to confusion
- Mentions some useful work on search term recommendation

PERTAINS

- Combines suggested tagging with free tagging by users to improve quality of tags by users (metadata)
- Uses of collections from libraries as well as internet resources in education
- Connects with a controlled vocabulary
- Basis for suggestions
 - Using existing document metadata
 - Titles and abstracts
 - Classification terms and existing keywords (user tags)
 - Suggestions from controlled vocabulary
 - Matching against DDC (a standard) captions and relative index terms

STW (Thesaurus for Economics) web service applied to library applications

- Developed a web service to support query expansion for indexing and retrieval
 - works with a DSpace collection and a standard thesaurus, making use of SPARQL (language for RDF, can be used to query the Thesaurus, like SQL)
 - Simple architecture, can be replicated
 - Relevant people can be contacted for help with code

Suggestions for CTR (1/3)

- Using mobile technologies to get user input (since all may not have computers at the time of crises and tragedies)
- Scenarios checklists in recovery/training manuals as input for ontology
- Brute force method: put experts in a room with literature and give them 2-3 days to come up with a list of concepts (similar to our focus group studies work)
- Start with a sub-domain and develop a methodology for building and evaluating that part. Try to replicate for other sub-domains

Suggestions for CTR (2/3)

- Follow both a top-down and bottom up approach (similar to PERTAINS)
- Goal should be to connect literature (scientific articles) with internet resources and articles, so there is some credibility to tags on resources
 - First develop tags for literature (syntactic), then suggest those tags to user for articles/photos/other resources, and then confirm by showing other relevant articles (semantic)

Suggestions for CTR (3/3)

- Evaluation
 - Test information retrieval with and without ontology
 - Use IR metrics

Resources

- NKOS website – has several links, including listservs, publications, past workshops, : <http://nkos.slis.kent.edu/>
- NKOS 2009 website – has abstracts and presentation slides of talks mentioned here:
<http://www.comp.glam.ac.uk/pages/research/hypermedia/nkos/nkos2009/programme.html>
- SKOS – Simple Knowledge Organization Systems:
<http://www.w3.org/2004/02/skos/>
- Prodigy
- Sesame
- Holocaust DL:
<http://www.academicinfo.net/histolibrary.html>