

4th ECDL NKOS Workshop
<http://www2.db.dk/nkos2005/>

Organisers:

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Presentation

- NKOS overview
- Workshop programme
- Introductions
 - Name, affiliation, KOS-related interests

- Consider future work
 - Collaborative opportunities

- Dinner arrangements
 - Wegenstein's Gösser Bräu, Elisabethstrasse 3
 - meet 7-7.30pm at restaurant

NKOS: Networked Knowledge Organization Systems/Services

Informal network for enabling knowledge organization systems (KOS), such as classification systems, thesauri, gazetteers, and ontologies, as networked interactive information services to support the description and retrieval of diverse information resources through the Internet

- Two ongoing series of NKOS workshops
 - JCDL Conferences in the US
 - ECDL Conferences in Europe
 - First DC NKOS workshop last week
- Listserv hosted by NSF DLI2 Program
- See <http://nkos.slis.kent.edu/>
 - and details on NKOS discussion list

NKOS Workshops

• **US DL/JCDL**

- 1997 - Philadelphia
- 1998 – Pittsburgh (1st)
- 1999 – Berkeley
- 2000 – San Antonio
- 2001 – Roanoke
- 2002 – Portland
- 2003 – Houston
- 2004 – no workshop
- 2005 – Denver (7th)

ECDL

2000 – Lisbon

2003 – Trondheim

2004 – Bath

2005 – Vienna, Sept 22

1st Dublin Core NKOS Session

2005 – Madrid, 2005

KOS integration into DL services

from Hill02 Research Agenda KOS/DL

Taxonomy of KOS - KOS types linked to DL service protocols

Registries of KOS and KOS-level metadata to represent them

XML/RDF KOS representations - customisable

Core set of relationship types across all KOS

General KOS service protocol

from which protocols for specific types of KOS can be derived

Robust linking model in which DL entities (collections, objects, and services) can refer to KOS entities (concepts, labels, and relationships)

Visualization tools that fully use and display the rich semantics embedded in KOS

See also Hodg00, Bind04

Terminology Services

from Koch04 Structured Overview -
Activities to advance the powerful use of vocabularies

Searching for concepts

schemes in registries

concepts/terms in taxonomy servers

Search support for queries

collection finding

cross-searching, cross-browsing, mapping services

KOS browsing and user interface/visualisation

query expansion, disambiguation

automatic indexing and classification

extraction/mining of terms

translation support using vocabularies

NKOS CFP

- Forthcoming NKOS special issue of journal [New Review of Hypermedia and Multimedia](#) on themes related to the workshop

- see call for papers

<http://www.tandf.co.uk/journals/cfp/thamcfp.pdf>

Future work: options for collaboration and task forces

Final discussion on collaborative tasks / future themed sessions

- Share experiences on NKOS website:
 - Case studies
 - User studies
 - Cost/benefit calculations
- Evaluation for different KOS activities
 - Evaluation methodologies and studies for KOS-based design, mapping, retrieval
- SKOS-related discussions on specific themes
 - eg SKOS extensions, mapping, API
- Collaborative (open) processes and support tools
 - distributed KOS creation and mapping tools
 - WIKI-type collaborative procedures and management models, editorial process
- Semi-automatic KOS-based tools for mapping
- KOS and knowledge management links
- Support for significantly old KOS and databases

Some References

Binding C., Tudhope D. 2004. KOS at your Service: Programmatic Access to Knowledge Organisation Systems. JoDI 4(4), <http://jodi.ecs.soton.ac.uk/Articles/v04/i04/Binding/>

Hill et al. 2002. Integration of Knowledge Organization Systems into Digital Library Architectures. ASIST SigCR - http://www.lub.lu.se/SEMKOS/docs/Hill_KOSpaper7-2-final.doc

Hodge Gail, 2000. Systems of Knowledge Organization for Digital Libraries: Beyond Traditional Authority Files. CLIR Pub91. April 2000. <http://www.clir.org/pubs/abstract/pub91abst.html>

Koch T. Activities to advance the powerful use of vocabularies in the digital environment - Structured overview. <http://www.lub.lu.se/~traugott/drafts/seattlespec-vocab.html>

NKOS website. <http://nkos.slis.kent.edu/>

NRHM NKOS cfp. <http://www.tandf.co.uk/journals/cfp/thamcfp.pdf>

Special Issue: New applications of KOS. Journal of Digital Information <http://jodi.ecs.soton.ac.uk/?vol=4&iss=4>