

Doug Tudhope
Field Leader, PhD, [Hypermedia Research Unit](#), School of Computing,
University of Glamorgan, Wales

The Challenge of the Electronic Environment to the Organization of
Knowledge - Second International Seminar on Subject Access to Information, Helsinki,
Finland, 29-30 November 2007

Friday Nov. 30

13.45-14.15 KOS-based semantic services

The presentation discusses ongoing work in knowledge organization systems/services (KOS) that seeks to address problems of semantic interoperability. It reflects on initial experiences in linking domain thesauri to an upper (core) ontology in the field of archaeology for purposes of cross searching different datasets and the online grey literature. Illustrations of some initial services will be given. The presentation also discusses ongoing work that is investigating the combination and comparison of controlled and folksonomy approaches to semantic interoperability. Social tagging applications hold the promise of reducing indexing costs by drawing end-users into contributing this resource, adding value as part of their interaction with information services. However the resulting folksonomies are completely uncontrolled, lacking even basic control of word forms, spelling, synonyms and disambiguation of homonyms. The presentation will discuss the potential of combining an established classification, such as the Dewey Decimal Classification (DDC), to improve the usability and utility of free tagging for resource discovery and interoperability.

http://www.jisc.ac.uk/media/documents/programmes/capital/terminology_services_and_technology_review_sep_06.pdf

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

<http://hypermedia.research.glam.ac.uk>