

# **NKOS**

## **standardisation initiatives**

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# Critical issue - Standards

Ongoing initiatives to revise thesaurus standards

ANSI/NISO Z39.19

BS 5723 and BS 6723

Thesaurus Representations

RDF; XML; Topic Map

KOS Service Protocols

NKOS Registry

# Need for new standards

- Critical issue facing KOS in Web is existing standards based in print world and not concerned with data interchange formats.
- Programmatic access requires commonly agreed protocols building on lower-level standards, such as Web services.
- The development of common KOS representation formats and service protocols are closely linked. Progress needs to be made on both dimensions if standards are to be achieved.
- A service protocol should be expressed in terms of a well defined but extensible set of KOS data elements and relationships, with the relationship type a parameter to the protocol commands. This would allow the specialisation of the current thesaurus relationships.

# 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

# Session 2

## ***Revision and extension of thesaurus standards – an update***

Stella Dextre Clarke, Information Consultant

## ***SKOS: Standards and Best Practices for using Knowledge Organisation Systems on the Semantic Web***

Alistair Miles, Brian Matthews, CCLRC Rutherford Appleton Laboratory, Nikki Rogers, Dave Beckett, ILRT

## ***Terminology resource discovery for the UK heritage sector – a case study***

Edmund Lee, English Heritage

## ***Update on topic map and linguistic standards***

David Martul, University Carlos III

# NRHM CFP

- Presenters / attendees at NKOS Workshop invited to submit papers for review and consideration for a forthcoming NRHM special issue on NKOS themes.
- CFP forthcoming
- Advance indication to Doug that you intend to submit would be helpful.  
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