Simple Knowledge Organisation System (SKOS)

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Data

- Multi-tier applications
- Vertical/horizontal/diagonal dimensions
  - Integrate
  - Reuse
  - Repurpose
Controlled Vocabulary Data

- **Reused**
  - E.g. multiple metadata catalogues

- **Integrated**
  - E.g. distributed retrieval
  - E.g. multiple vocabularies

- **Repurposed**
  - E.g. relationship discovery
SKOS

- Simple Knowledge Organisation System
- For sharing controlled vocabulary & vocabulary mapping data
- Vocabularies with (relatively) simple structure
  - Thesauri
  - Classification Schemes
  - Taxonomies
  - Subject Heading Systems
  - ...
- ... oriented towards retrieval applications
Acknowledgements

- Transfer well-known conventions & techniques to new context
- Library, classification & indexing communities
- public-esw-thes@w3.org
Design

- URIs for identification
  - A controlled vocabulary identifies and describes a set of *concepts*

- RDF for simple relationships
  - SKOS provides a standard set of relationships (a.k.a. *properties*) for modelling & encoding structure & content of controlled vocabularies
    - e.g. *broader*, *narrower*, *related* etc.
Application

- Semantic Web Environmental Directory
- http://swed.org.uk
Publishing Data

- Can use SKOS to create and publish vocabulary data in the Web
- SKOS is also, itself, published in the Web
- Can use SKOS URIs to retrieve both human-readable and machine-readable information
- http://www.w3.org/2004/02/skos/core#broader
More Info

- http://www.w3.org/2004/02/skos