

Semantics session summary

*I/OA interoperability meeting
Nara, 2010 December 11*

Search by object classes

- Re-use existing classifications
 - have SKOS vocabularies for SIMBAD & NED
- Importance of mapping
 - Ontology used as a starting point ?
 - SIMBAD vs NED vocabulary mapping in SKOS
- Define way to convey in which vocabulary the classification is expressed
 - have this metadata in the registry and use it in protocols : DAL, Registry
- Propose mechanism to deal with multiple object types

Data mining using ontologies

- Matthew Graham showed a method to build Kohonen SOM with a « distance » computed from concept similarity in an ontology
- Promising use of semantics in existing techniques

Linked data

- Alberto Accomazzi showed the VAO Semantic Interlinking Project
 - Astronomical Papers
 - Objects
 - Datasets
- Faceted portal
 - could use distributed RDF repositories

Vocabularies and other WGs

- Ideas for developing atomic vocabulary services
 - definitions
 - suggest
- Performance issues
 - test remote vs local implementations
- Versioning, maintenance, reliability

Units

- Side discussion during this meeting
- « Tiger team » to make proposal and request for comments
 - cultural habits
 - "m s-1" vs "m·s-1"