

# Developing an Ontology of Ontologies for OOR

Preparation for Ontology Summit 2008

Panel Discussion

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# Challenge

- Identify metadata for ontologies that supports the sharing and reuse of ontologies within open ontology repositories.

# Uses of Ontology Metadata

- The metadata should allow users to
  - retrieve ontologies for use in domain applications;
  - retrieve ontologies to be integrated with other user ontologies;
  - retrieve ontologies that will be extended to create new user ontologies;
  - determine whether or not an ontology can be integrated with user ontologies;
  - determine whether a set of ontologies retrieved from the repository can be used together;
  - determine whether an ontology in the repository can be partially shared.

# Approaches

- Logical metadata
  - logical properties of the ontology independent of any implementation or engineering artefact
    - Ontology representation language
    - Modularity
    - Relationships between ontologies
- Engineering metadata
  - properties of the ontology as considered as an engineering artefact

# Keeping Grounded ...

- Start collecting ontologies from Summit participants, and test out the different proposals for metadata on these ontologies.
- Develop scenarios that will motivate the use of the OOR with these ontologies

# Panelists

- Michael Gruninger, University of Toronto
  - *A Framework for an Ontology of Ontologies*
- Peter Haase, University of Karlsruhe
  - *The OMV Ontology Metadata Vocabulary*
- Natasha Noy, Stanford Center for Biomedical Informatics
  - *Ontology metadata in NCBO's BioPortal*
- Elisa Kendall, Sandpiper Software
  - *Metadata Support for OMG's Emerging Ontology and Vocabulary Management Initiative*