Ontology Engineering for Enterprise Interoperability

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Interoperability Issues in Collaborative Information Systems

- Role of Ontology Engineering in Decision Support Systems
Decision Support

- **1970’s, boost of decision support systems**
  - Main technologies: database, modeling, and user interface functionality

- **Shift of goals:**
  - from supporting individual decision-makers
  - to supporting workgroups or teams, especially virtual teams

- **Enrichment of technologies:**
  - web technology + process modeling + business modeling + data warehouse + data/text minding + OLAP +…
Discussed Topics

• Basic Issues
  – Framework of enterprise integration, framework of service integration

• Applications
  – Document Annotation, eBusiness, eGovernment (better public investment), eLearning, HRM
Discussed Challenges

- **Needs of sharing information**
  - at different levels
  - between different scenarios
  - across enterprises, public sectors

- **Multiple resources need to be merged and integrated**
  - Business models, activity models, standards, business process models
  - As ontology?

- **Concurrent engineering, meta-data, meta-info vs. OE?**
Questions

- Standards are not enough to build domain knowledge?
- Where is the collaboration point? Collaboration level (public, SMEs)?
- Data in XML format (even rarely)?
- A generic document transformation method?