

# OntoHub Perspectives

The Ontohub team

12.12.12

# Time plan

10h	Intro / Motivation / Know-How
10.30h	Ontohub and its background (OntoOp ISO standard, OOR community, Hets community)
11h	Ontohub.org web portal demo
11.30h	Ontohub architecture and data model
13h	Lunch
14h	Aims
14.30h	Motivation / Know-How / Work areas
15h	Organisation (regular meetings, programming sessions, github, issue tracker)
15.30h	Setup of development environment
ca. 16h	End



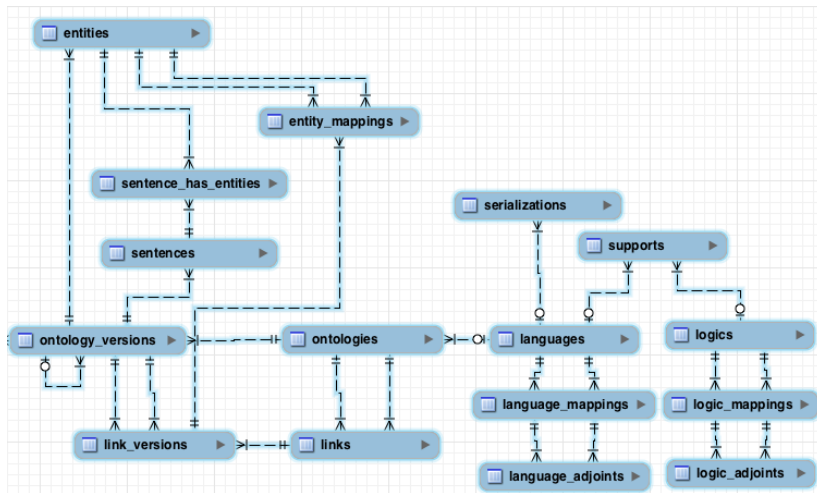
# Ontology Integration and Interoperability (OntoOp)

- ISO Standard 17347 (currently: working draft)
- Distributed Ontology Language (DOL)
  - OWL (Web Ontology Language)
  - RDF (Resource Description Framework)
  - EER (Enhanced Entity-Relationship Diagrams)
  - Common Logic
  - UML (Unified Modeling Language)
  - ...
- Community of 10-15 experts
- bi-weekly Skype conferences

## Heterogeneous Tool Set (Hets)

- Logic backend for OntoHub
- can parse and analyse all involved languages
- interface to about 15 proof tools
- <http://www.dfki.de/cps/hets>

# Ontohub architecture and data model



Deutsches  
Forschungszentrum  
für Künstliche  
Intelligenz GmbH



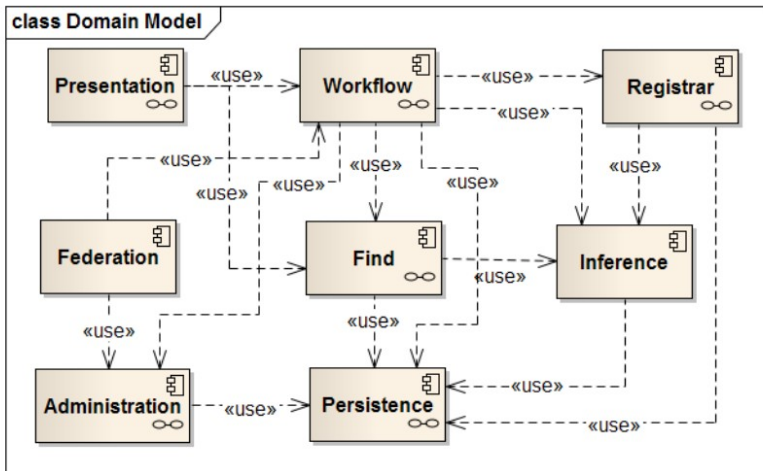
SFB/TR 8

SPATIAL COGNITION





## Revised Architecture





- New Rails model “repository”, which simultaneously provides namespace for ontologies
- underlying git or svn repositories
- permissions per repository (not per ontology)
- only contents of master branch is displayed in Ontohub
- store who has pushed when what
- server side git hooks

- who does what?
- meetings
- shared office in Cartesium