

**The Department of Geography and Regional Studies
of the Alpine-Adriatic University Klagenfurt**

invites you to the

Workshop on
„Semantics and Ontologies in Geographic Information Services –
Theory and Applications“

6th and 7th of June 2005 at the **University Klagenfurt**

The Workshop is held by

Dr. Martin Raubal, University Münster (abbrev. MR)

Dipl. Landsch.-Ökol. Michael Lutz, University Münster (ML)

Mark Hall, University Klagenfurt (MH)

The workshop addresses semantic interoperability of Geographic Information Services. We introduce the theoretical foundations of ontologies, discuss methods of measuring semantic similarity between concepts, and demonstrate practical applications in the area of land use data integration and wayfinding services. The practical exercises in the computer labs will use the Protégé Ontology Editor (no prior experience required) and tools developed in the HarmonISA (harmonisa.uni-klu.ac.at) and meanInGs (www.meanings.de) projects.

The workshop is designed for a broad audience, especially academic teachers and scientists, students of geography and computer science, colleagues from GIS departments and planning authorities.

Schedule of the Workshop

Webpage: <http://babyz.uni-muenster.de/sogis/>

Monday, June 6th

- | | |
|----------|--|
| 10-11.30 | General WS introduction (MR)
Introduction to semantic interoperability (MR) |
| 11.30-12 | Coffee break |
| 12-13 | Ontologies for the Semantic Web (ML) |
| 13-14.30 | Lunch |
| 14.30-16 | Lab: Ontologies for data integration – Building ontologies with Protégé (ML) |
| 16-16.30 | Coffee break |
| 16.30-18 | Lab: Ontologies for data integration – Case studies: HarmonISA & meanInGs (ML, MH) |
| 19- | Dinner |

Tuesday, June 7th

- | | |
|----------|---|
| 9-10.30 | Semantic similarity measurement (MR) |
| 10.30-11 | Coffee break |
| 11-12.30 | Application of semantic similarity measurement (wayfinding) (MR) |
| 12.30-14 | Lunch |
| 14-15.30 | Presentation / demo: Ontologies for data discovery and retrieval (ML) |
| 15.30-16 | Coffee break |
| -17 | Discussion and wrap-up: From Theory to Practice |

For registration to the workshop, which is free of charge, or if you have questions please send an e-mail before 23rd of May 2005 to peter.mandl@uni-klu.ac.at. You will then receive further information about the workshop. The workshop is held in English language.