Conclusions

Presenter: Manolis Koubarakis
What we talked about

- Introduction
- Background in geospatial data modeling
- Geospatial data in the Semantic Web: stSPARQL and GeoSPARQL
- Implemented systems
- Applications
What we did not talk about: Tools

- Tools for **translating** GIS data (e.g., shape files or tables from a geospatial DBMS) into the geospatial extensions of RDF that we presented
What we did not talk about: Reasoning

- Description logics and ontology languages for spatial information
  - Theory
  - Reasoners (e.g., RacerPro, PelletSpatial)
  - OWL 2
- Approaches using rules (e.g., to do qualitative spatial reasoning).
Invitation

Reasoning Web 2012
Summer School
September 03 - 08 2012
Vienna, Austria

Lectures

- Data Models and Query Languages for Linked Geospatial Data (Manolis Koubarakis, Manos Karpathiotakis, Kostis Kzyrakos, Babis Nikolau, Michael Sioutis)
- Semantic Wikis: Approaches, Applications, and Perspectives (François Bry, Sebastian Schaffert, Denny Vrandecic, Klara Weinand)
- OWL 2 Profiles: An Introduction to Lightweight Ontology Languages (Markus Krötzsch)
- Argumentation and the Web (Francesca Toni)
- Federation and Navigation in SPARQL 1.1 (Marcelo Arenas, Jorge Pérez)
- Reasoning with Uncertain and Inconsistent Ontologies on the Semantic Web (Gulin Qi, Jianfeng Du)
- Linked Data Stream Processing (Manfred Hauswirth, Danh Le Phuoc, Josiane Xavier Parreira)
- Datalog and Its Extensions for the Semantic Web (Georg Gottlob, Giorgio Orsi, Andreas Pieris, Mantas Simkus)
- Reasoning and Query Answering in Description Logics (Magdalena Ortiz, Mantas Simkus)
- Reasoning and Ontologies in Data Extraction (Sergio Flecha, Tim Furche, Ermelinda Oro)

http://www.kr.tuwien.ac.at/events/rw2012/Program.html#CourseGottlobEtal
What we did not talk about: Theory

- **Semantics:** How do we extend the semantics of SPARQL, to give semantics to stSPARQL and GeoSPARQL?

- **Computational complexity of query processing:** What is the complexity of stSPARQL or GeoSPARQL querying?

- **Other theoretical issues**
Thank you for Attending!

- Questions?
- Feedback?