

## Conclusions

Presenter: Manolis Koubarakis

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# What we talked about

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- 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

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- 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

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- **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** **Vienna, Austria**  
**Summer School** **September 03 - 08 2012**

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**Lectures**

- [Data Models and Query Languages for Linked Geospatial Data](#) (Manolis Koubarakis, Manos Karpathiotakis, Kostis Kyzirakos, Babis Nikolaou, Michael Sioutis)
- [Semantic Wikis: Approaches, Applications, and Perspectives](#) (François Bry, Sebastian Schaffert, Denny Vrandečić, Klara Weiland)
- [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](#) (Guilin 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 Šimkus)
- [Reasoning and Query Answering in Description Logics](#) (Magdalena Ortiz, Mantas Šimkus)
- [Reasoning and Ontologies in Data Extraction](#) (Sergio Flesca, Tim Furbach, Ermelinda Oro)

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## What we did not talk about: Theory

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- **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!

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- Questions?
- Feedback?