

Linking Open Data for the National Map

Mike Dean
mdean@bbn.com

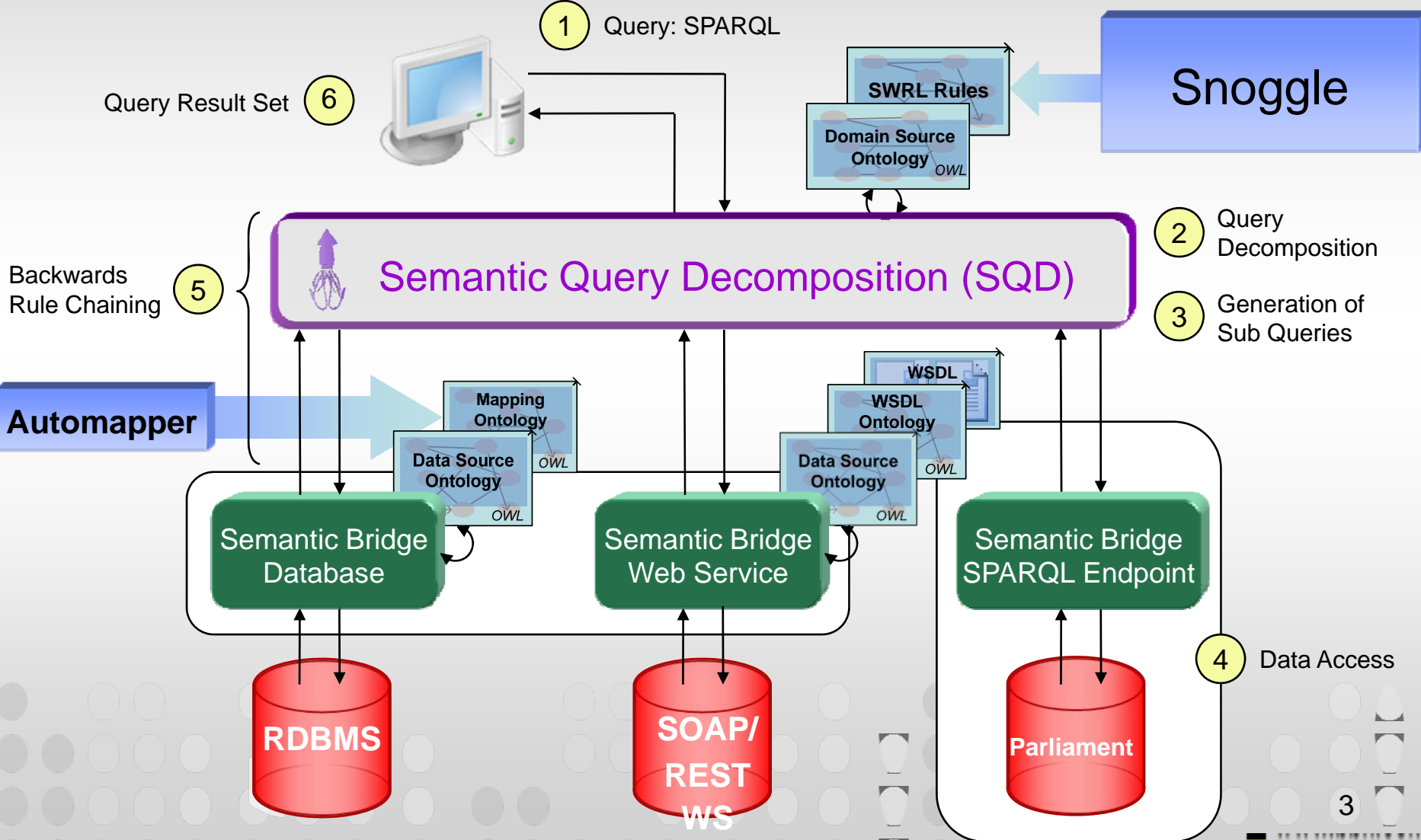
Ontology for the National Map Specialist Meeting
Washington, DC

3 February 2009

Background

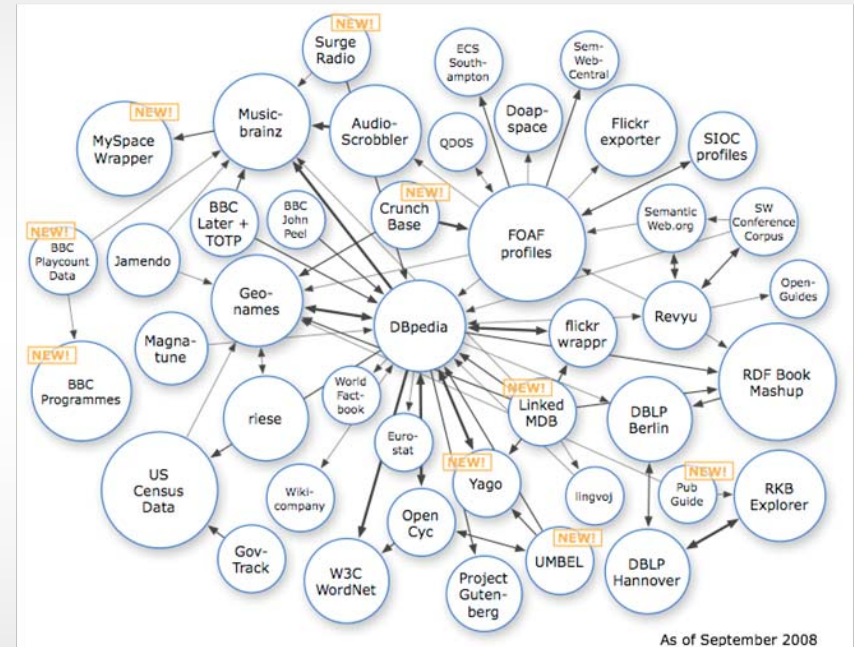
- DARPA Agent Markup Language (DAML) program
 - Integration and Transition PI
 - W3C RDF Core and WebOnt WGs
- NGA Geospatial Semantic Web
 - OGC GSW Interoperability Experiment
 - [Geospatial Ontology Trade Study](#)
- Semantic image annotation (Dave Kolas will present later)
- Spatial Ontology Community of Practice (John Moeller will present later)
- US Geospatial Intelligence Foundation

Asio™



Linking Open Data

- Interconnected public reference data sets
- Standards and best practices
- GeoNames uses USGS and NGA data



Recommendations

- Publish National Map data as Linked Data
 - Probably start with Geographic Names and Structures
 - Leverage related work reported by Ordnance Survey at [Terra Cognita 2008](#)
 - Provide a foundation of instances on which richer ontologies can be overlaid
- Also use these mechanisms to aggregate data from state and other sources

ISWC2009



- 8th International Semantic Web Conference
 - 25-29 October 2009
 - Chantilly, Virginia
 - <http://iswc2009.semanticweb.org>
 - Terra Cognita 2009 Workshop on Geospatial Semantics planned