



Semantic Data Management Initiative

www.semdata.org



Semantic Data Management Initiative

- Semantic Data Management is a common name for a range of techniques for manipulating and using data based on its meaning.
- It is about specification, interpretation and exploitation of semantics for:
 - more efficient, faster and cheaper data integration
 - data access, regardless the physical location and representation
 - more comprehensive data analysis and interlinking
 - flexible querying against multi-schema datasets
 - interlinking of text and Web content with structured data
 - hybrid information retrieval techniques
 - easier data exploration and understanding
- In a nutshell, semantic data management fosters the **economy of knowledge**, facilitating more comprehensive usage of larger scale and more complex datasets at lower cost.

Semantic Data Management Initiative

- The Semantic Data Management Initiative (SemData.org) represents a **series of events** and initiatives aiming to facilitate the **development and adoption** of semantic data management concepts, standards, tools, and practices.
- We seek **expert discussions** and trans-disciplinary collaborations.
- The goal is to investigate **semantic databases and data management in the large**:
 - semantic repositories, their virtualization and distribution
 - interoperability with relational solutions, XML and others
 - mechanisms to "move the logic closer to the data"
 - bridges between the data layer and the application layer
 - benchmarking of semantic data management solutions

Semantic Data Management Events

- **SemData@Sofia Roundtable**
March 11-12, 2010
Arena di Serdica Hotel, Sofia, Bulgaria
- **SemData@ESWC Workshop** (<http://www.eswc2010.org/>)
Collocation with ESWC in June 2010
Aldemar Knossos Royal Village, Heraklion, Greece
- **SemData@VLDB Workshop** (<http://vldb2010.org/workshop.htm>)
Official VLDB Workshop on September 17, 2010
Grand Copthorne Waterfront Hotel, Singapore

Semantic Data Management Supporting Projects

- **LarKC: The Large Knowledge Collider** (FP7 IP, www.larkc.eu)

The aim of LarKC is to develop a platform for massive distributed incomplete reasoning that will remove the scalability barriers of currently existing reasoning systems for the Semantic Web.



- **SOA4All: Service Oriented Architectures for All** (FP7 IP, www.soa4all.eu)

SOA4All aims at realizing a world where billions of parties are exposing and consuming services via a coherent and domain-independent service delivery platform.



- **PlanetData** (FP7 NoE in negotiation)

The NoE targets the establishment of an interdisciplinary, sustainable European community on large-scale data management.

