



Korean participation in the Large Knowledge Collider (LarKC)

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Slides prepared by the LarKC consortium

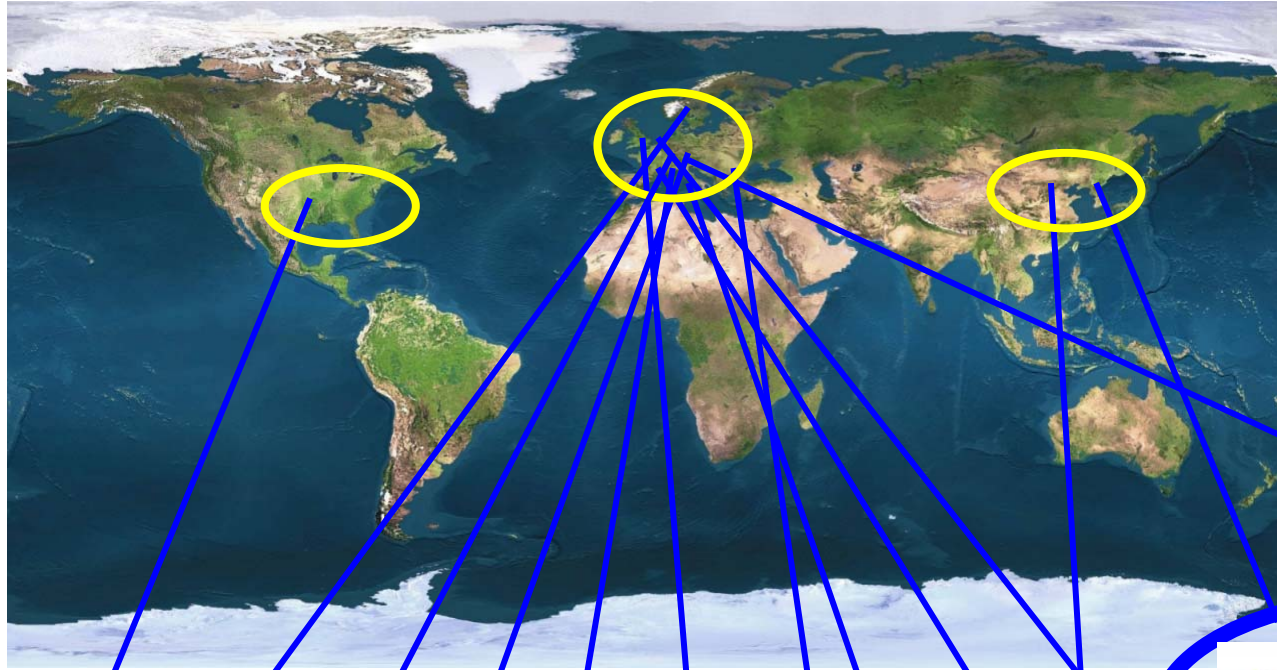
The Large Knowledge Collider

- 10M€ budget
- 7M€ EU contribution
- 3.5 years
- 80 person years
- 3 case studies
- 14 partners,
12 countries,
3 continents

- project nr. FP7 – 215535



The consortium



STI · INNSBRUCK

AstraZeneca 



MAX-PLANCK-GESELLSCHAFT

 ontotext
Semantic Technology Lab



SIEMENS

 The University Of Sheffield.



vrije Universiteit

 cycorp

H L R I S

CEFRIL
FORGING INNOVATION

The LarKC consortium includes a Korean partner:



and the main reason are that...

- **Saltlux** is a leading Korean company in ontology and Semantic web technologies.
- **Saltlux** delivered many ontology-based products and many national projects in this area.
- **Saltlux** is a key partner with major telecom companies in Korea (SK Telecom, KTF).
- **Saltlux** has experience with several projects which require very large scale reasoning facilities

What is the role of SaltLux in LarKC?



- LarKC is building new infrastructure for very large scale reasoning on the Web
- the **Saltlux** case-study aims at providing information to mobile phone users based on personalised data (= matching data against personal profiles).
- **Saltlux will test the limits of what can be achieved** by the consortium
- **Saltlux** provides LarKC with an ideal environment to **demonstrate the real added value**, by resolving problems of current IT systems for telecommunications
- **Saltlux** provides a **global dimension to LarKC's dissemination programme**

What is the role of SaltLux in LarKC?



- **Saltlux** already has experience with delivery of **personalised and contextualised information and personalised and contextualised services to mobile phone users**, based on
 - their personal preferences,
 - their current location,
 - the time of day,
 - the location of their social contacts, etc.
 - This requires **reasoning about the profiles, preferences, locations and contacts of millions of mobile phone users**.
- This will push the the performance of the LarKC platform to the limits.



We encourage further contributions from external parties:

- The Large Knowledge Collider is an **open, and configurable platform**.
 - The first public version of the Large Knowledge Collider will be **available in spring 2009**.
1. Organisations from outside the consortium can **use the LarKC platform** for their own purposes,
 2. LarKC will form an "**early adapters group**".
 - LarKC will **actively support** this group in use the Large Knowledge Collider platform.
 - This group will be given **access to a high-performance computing-cluster** in Germany for running LarKC on their own problems.

External parties (both academic and commercial) are welcome to contact us on this opportunity.

How to find out more?

How to contact us?

- **website**

- [project flyer](#)
- [mission and vision paper](#)
- [RSS feed](#)



- **contacts:**

- project coordinator: [Dieter Fensel](#)
- scientific director: [Frank van Harmelen](#)
- project manager: [Alice Carpentier](#)



- **students:** take part in the European Master Programme in Semantic Web



- **researchers:** become visiting researchers at any of the LarKC participating academic groups

How to find out more?

How to contact us?



Biography Dumitru Roman

Dumitru Roman works as a senior researcher at the [Semantic Technology Institute \(STI\)](#) / [University of Innsbruck, Innsbruck](#), Austria. In 2008 he received a PhD in Computer Science from University of Innsbruck, Austria, with a thesis on “Modeling Semantic Web Services and Reasoning about Service Behavior”, and in 2003 a Diploma Engineer degree in Computer Science from Technical University of Cluj-Napoca, Romania, with a thesis on “Semantic Web Services Composition using SHOP2 in the Open Agent Architecture”.

His general research background and interests lay at the border between knowledge representation and reasoning, and large scale, dynamically distributed systems. As of end 2008, Dumitru has performed research on broad topics related to semantic and service-oriented technologies.

He has co-authored over 50 publications in books, journals, conferences, and workshops, on topics such as ontologies and the semantic Web, mobile services, Grid computing, service discovery and selection, service non-functional properties, geospatial decision making and geotagging, business process management and workflows, service choreography, contracting, and service policies. Dumitru’s research vision is that of an advanced knowledge infrastructure that potentially enables individuals, organizations, and humanity as a whole to socialize, access services, and solve problems much more effectively than we are able to do today. His research directions point to novel methods for developing such an advanced knowledge infrastructure.