

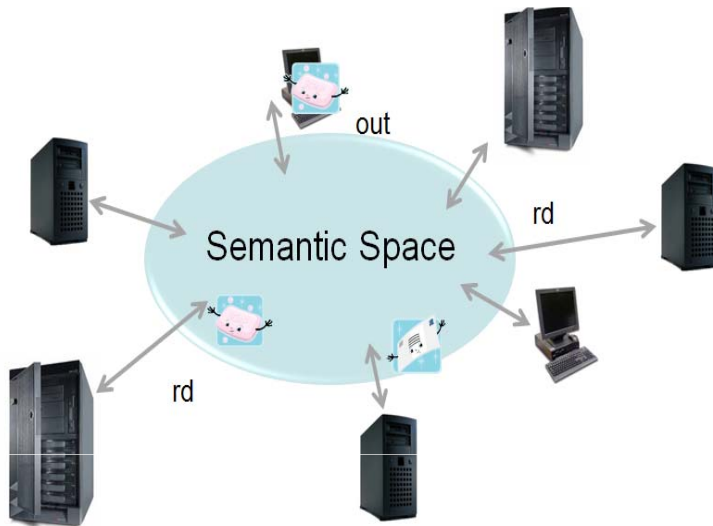
S&T Progress and Coordination



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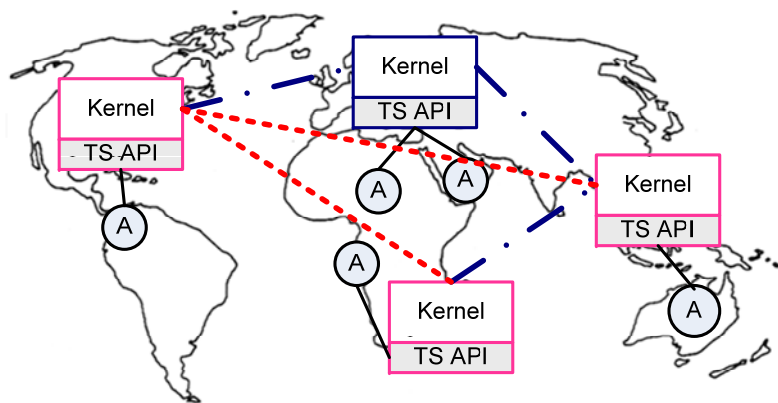
The project in a nutshell



Triple Space is a communication paradigm for anonymous and asynchronous information exchange that ensures the persistency and unique identification of the communicated semantic, semi-structured data.

TripCom provides the theoretical and technological foundations of **Triple Space**.

Unified approach needed for a real progress in the field and for encouraging industrial adoption.



- Semantic technologies/Web services
 - Promising industrial commitment
 - Standardization efforts led by international bodies
 - First products by well-known vendors (semantics)
 - Broadly accepted by industry (services)
 - Need for a communication middleware for anonymous, asynchronous data exchange and for integrating among heterogeneous data sources.

- Tuplespaces
 - Web-compliant middleware based on persistent publication and simple interaction
 - No open definition
 - Poor integration with other standards

- Triple Space Communication
 - First isolated investigations and findings available
 - Unified approach needed for a real progress in the field and for encouraging industrial adoption.

- **Realize** a global communication and coordination infrastructure for machines to exchange semantic data based on the Web principles of persistent publication and simple interaction and to access heterogeneous sources.
- Provide prototypes in the EAI and eHealth fields to **demonstrate** the **added value**.
- Contribute to the development of **reference architectures**, **technological roadmaps** and **standards**.

- Realize (WPs 1-6)
 - First integrated TripCom prototype
 - Research on distributed SPARQL querying, metadata-based space management, distributed Triple Space, scalability
- Demonstrate added value (WPs 7 and 8a/b)
 - Ontologization of relevant EDIFACT subsets
 - Early use case prototypes and evaluation plan
- Impact
 - Relevant communities addressed through publications
 - Community building initialized through workshops and collaboration with other projects and initiatives
 - Exploitation plans at Telefonica
 - Collaboration with Nokia Research, Finland

- Realize (WPs 1-6)
 - Final TripCom prototype including scalability evaluation.
 - Integration with WSMX.
 - Concepts and methods for distributed query processing, self-organization, metadata management, scalability analysis.

- Demonstrate added value (WPs 7 and 8a/b)
 - Fully fledged use case prototypes including evaluation results.

- Impact
 - Standardization input, first exploitation measures, scientific community.

- The WPs achieved good progress.
- Deliverables and tasks are accomplished in time.
- High-quality publications are available.
- Community building process has been successfully initiated.
- Management procedures are operational.

- Proper attention is paid to interdependencies and collaboration
 - Various joint meetings and phone conferences on specific topics on a regular basis.
 - Plenary meetings on dedicated topics of general interest quarterly.

- Flexible when issues/problems arise
 - Changes in the technical annex implemented efficiently.
 - Recommendations of the reviewers have been addressed in due time.

■ LarKC



- uses TripCom expertise (deployment, scalability evaluation) to realize Thinking@HOME.
- TripCom presentation at the next LarKC plenary in July.

■ SOA4All



- uses TripCom technology to realize the Service Web.
- TripCom participated at SOA4All meetings dedicated to architecture issues.

- Joint event organized under the umbrella of STI International
 - 2nd IEEE International Conference on Semantic Computing – Special Session on „Scalability in Semantic Computing: The European View“



- TripCom is one of the initiators of the Future of the Internet Symposium FIS2008.



www.fis2008.org



Service-Finder



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