

Dissemination and Exploitation



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Tripcom Review Meeting
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- Project Dissemination
 - Dissemination Channels
 - Project website
 - TripCom FAQ
 - Target Communities
 - Papers Published / Conferences Attended
 - Standardization Activities
- Project Exploitation
 - Exploitation Board
 - Exploitation Steps
 - Exploitation Goals
- SpaceBasedComputing.org

- Project Website
- Space-based computing initiative
- Standardization
- ESSI cluster
 - Organisation and coordination of major European and global Semantic Web events and conferences
 - TripCom partially funds ESSI activities
- Dissemination at conferences
 - Talks
 - Posters
 - Workshops
 - Tutorials
- Project presentation, synopsis and poster on the website

- Public area
 - Project news and events
 - Mission
 - Detailed description of work
 - Publications and reading list
 - Deliverables
 - FAQ
- Consortium internal area
 - Document sharing (draft documents, administrative forms, minutes, ...)

Idea: Summarizing TripCom's central ideas to provide a potential user information covering:

- Differences and advantages of Triple Space computing compared to related approaches (e.g. databases)
- How does TripCom integrate with existing technologies (e.g. Web services, Semantic Web)?
- Related technologies
- Information about Tuple Spaces and the Semantic Web
- ...

■ Industrial

■ Use cases (new business models)

- e-Health
- EAI

eHealth

EAI

■ Vendors (new products)

- SpaceBasedComputing.org as a first step

- This is a **key objective** and will be further described in the separate exploitation board section

■ Scientific

- Semantic Web
- Web services
- Tuple Spaces







SemWeb

WS

TS

Papers Published



- E. Simperl, R. Krummenacher and L. Nixon: *A Coordination Model for Triplespace Computing*, In 9th Intl Conf. on Coordination Models and Languages (Coordination), June 2007. 
- D. Cerizza: *Development of a patient summary at European level* Presentation at the EPS at the COCOON Conference, Venice, Italy, February 27, 2007. 
- D. de Francisco, N. Perez, D. Foxvog, A. Harth, D. Martin, D. Wutke, M. Murth, E. Paslaru: *Towards a Digital Content Services Design Based on Triple Space*. In proceedings of the 10th International Conference on Business Information Systems (BIS). Poznan, Poland 25-27 April 2007. 
- D. Karastoyanova, T. van Lessen, J. Nitzsche, B. Wetzstein, D. Wutke, F. Leymann: *Semantic Service Bus: Architecture and Implementation of a Next Generation Middleware*. In Proceedings of the 2nd International Workshop on Services Engineering (SEIW) 2007, in conjunction with ICDE 2007. Istanbul, Turkey, April 16, 2007. 
- A. Polleres: *From SPARQL to rules (and back)*. In Proceedings of the 16th World Wide Web Conference (WWW2007), Banff, Canada, May 2007. Accepted for publication 
- G. Joskowicz, E. Kühn, M. Murth. *The XD Model - Extending XML and DOM to Standards Based Coordination*. In Proceedings of the 10th IASTED International Conference on Software Engineering and Applications (SEA), Nov. 13-15, 2006, Dallas, Texas, USA. 

Papers Published (2)



- A. Polleres and R. Schindlauer. *SPAR2QL: From SPARQL to rules*. In International Semantic Web Conference (ISWC2006 - Posters Track), Athens, GA, USA, November 2006. Poster. 
- E. Della Valle, D. Cerizza, R. Krummenacher, L. Nixon, E. Simperl, D. Foxvog: *A proposal for Building the European Patient Summary using Triple Space Computing*, Workshop for W3C Semantic Web Health Care & Life Sciences, International Semantic Web Conference (ISWC), Athens, Georgia, Nov 6, 2006. 
- E. Della Valle, D. Cerri, A. Ghioni, D. Cerizza. *Triple Space Communication an infrastructure for seamlessly and securely sharing healthcare data*. In the Official Journal of the European Association of Hospital Managers, November 2006. 
- D. Cerizza, E. Della Valle, D. Foxvog, R. Krummenacher, and M. Murth. *Towards European Patient Summaries based on Triple Space Computing*, Proc. of 1st European Conf. on eHealth, Fribourg, Switzerland, 12-13 October 2006. 
- D. Fensel, R. Krummenacher, and M. Zaremba. *The Role of Semantic Technology*, Semantic Technology - A European Perspective during WWW2006, Edinburgh, Scotland, 23-26 May 2006. 
- E. Della Valle, D. Cerri, A. Ghioni, and D. Cerizza. *Seamlessly and Securely sharing health care data with Triple Space Communication*, The Int'l Trade Event and Conf. for eHealth, Telemedicine and Health ICT (Med-e-Tel), Luxemburg, 5-7 April 2006. 

■ Keynotes

- *Workflow-Based Cooperation and Coordination in a Service World*, Keynote at Business Processes - Today and tomorrow, Dortmund, Germany
- *Web Services: Origin, State of the Art and Next Steps*, Keynote talk at Semantics 2006, Vienna, Austria
- *Gartner EXP Forum*, Frankfurt, Germany
- *Services and Their Composition: A Quality Perspective*, Keynote talk at Conquest 2006, Berlin, Germany
- *Semantische Dimension von SOA*, Keynote talk at SOA Kongress, Mainz, Germany

■ Talks

- Technology discussions with individual companies
- For example
 - *Dario Cerizza: Development of a patient summary at European level*
Presentation at the EPS at the COCOON Conference, Venice, Italy, February 27, 2007

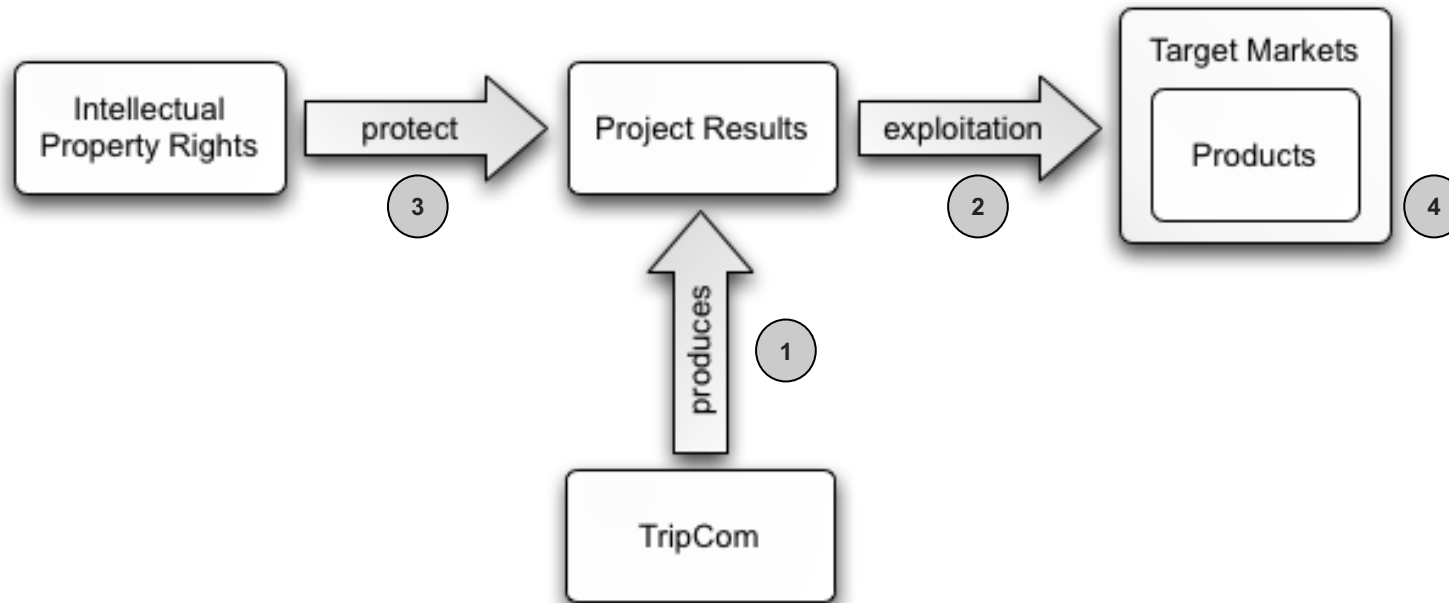
- Expected impact of project results on standardization
 - Query language extensions from WP 2/3
 - WS binding for Triple Space from WP 4
 - Reference Architecture from WP 6
 - EDIFACT ontologies from WP 7
- Target standardization communities
 - W3C
 - Focus: Web-technology and lower level Web service-related standards (e.g. SOAP, WSDL)
 - Members: LFUI, NUIG, Profium, TID
 - OASIS
 - Focus: Web service standards (e.g. BPEL, WS-Reliable Messaging), Architectural work
 - Members: LFUI, CEFRIEL
 - EANCOM, EDIFICE, EMEDI (for EDIFACT ontologies)

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- Take advantage of commercial experience of industrial partners
 - Steer standardization activities
 - Establish foundation for new use-cases
 - Commercial exploitation of results (products, startups)
 - Protection of results (patents)
- **Take into account:**
 - Exploitation is not commercialization
 - Different nature of partners and results
- **Status:** Exploitation board has been established, exploitation plan is currently being defined

- **Members**
 - David de Francisco **TID** (Chair)
 - Vassil Momtchev **ONTO**
 - Janne Saarela **Profium**
 - Emanuele della Valle **CEFRIEL**
 - Frank Leymann **USTUTT**
- **Associate members**
 - Other Partners

Exploitation Steps



- ① Identify potential products from project results
- ② Identify the associated markets
- ③ Protect selective projects results by IPR
- ④ Design and release products to exploit target markets

- Joint Exploitation Plan
 - Results identification, definition and description
 - User/community/market needs
 - Target market description
 - Positioning of results with respect to the target market
 - Identification of current competitors
 - SWOT (Strengths, Weaknesses, Opportunities, Threats) analysis
 - Market penetration plan
 - IPR ownership and licensing model/s chosen
 - List of key dissemination activities

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- Space Based Computing (SBC) is one of the core technologies in TripCom
- What is SBC: A horizontal infrastructure technology for distributed computing
- SBC has not gained enough industrial attention
 - No open definition of the SBC paradigm
 - Existing implementations with incompatible feature sets that cannot easily interface
 - Lack of integration with other standards
- Recent research has shown that
 - Promising new technologies require new approaches towards distributed systems
 - Semantic Web, Service Oriented Architecture, GRID Computing
 - The space is an invaluable technology in these fields
- **SpaceBasedComputing.org** is an independent initiative
 - Currently being launched
 - To promote the SBC paradigm

- **SpaceBasedComputing.org** will
 - Be involved in **all** standardisation efforts in the SBC area
 - Facilitate and support the process of acquiring and disseminating knowledge about SBC
 - Promote and propagate the paradigm of SBC
- **SpaceBasedComputing.org** aims to
 - Canonize SBC standards and to promote a common reference architecture to leverage the potential of SBC
 - Identify common features and differences in order to make them interoperable

- Particular focus: extension and adaptation of significant industry standards
 - Like Web Services, Semantic Web, and Business Process Languages
 - Empowering these to exploit SBC
- The **SpaceBasedComputing.org** initiative will
 - Communicate with industry and academia
 - Foster publications
 - Act as a central facility for all activities around SBC
 - Organize events (e.g. ESTC workshop)

- Make space-based computing accepted in the industry
 - Unfold its power in commercial applications and research projects
- Act as platform for a number of sub-initiatives
 - Supporting them in publishing their results as internationally approved standards
- Promote standards and implementations in the fields of SBC
 - Improving interoperability between different implementations
- Maximize visibility of the paradigm
 - Create widespread adoption in research and industrial environments

- Working Group
 - European Semantic Systems Initiative
- Chairs
 - Dieter Fensel, eva Kühn (chair), Frank Leymann, Robert Tolksdorf (vice chair)
- Technical architecture board
 - currently same members as board of chairs
- Expert working groups
 - SBC business cases, process layer, semantic adaptation layer, communication & coordination layer
- Members
 - academic, industrial partners, sponsors, individuals, other organizations

- Extend state-of-the-art, significant industry standards
 - Empowering them by integrating the concepts of SBC
- Cooperate with international standardization organizations
 - W3C
 - OASIS
- Manage joint efforts of **SpaceBasedComputing.org** with partner organizations
 - Marketing, lobbying
 - Coordinate funding efforts
- Create a visible and strong community by providing
 - Platform for communication, roadmaps, whitepapers, technical documentation, training material, workshop organisation etc.
- Website: **<http://www.spacebasedcomputing.org>**

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