



D 1.5.4 Report on education and training progress and agreements

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Abstract.

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This deliverable reports the detailed joint education and training activities with related NoEs and other identified related initiatives, such as SDK (project cluster of SEKT, DIP and KW), SemanticGrid, and BIT. It is the continuous version of D1.5.2

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Changes

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Executive Summary

Task 1.5.4 in WP1.5 continues to report the progress of organized events mainly focusing on the period of June 2005 till December 2005. Basically it is the updated version of Del 1.5.2.

For the formal agreements between KW and other NoEs, it is not the main focus of this deliverable after consulting with the scientific coordinator of KW. Furthermore these efforts have been aligned with Del E-D2.

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1. Introduction

One of the main goals of Knowledge Web (in short KW) is to support the transfer process of ontology technology from academia to industry. To realize this goal, three main clusters have been organized:

- **Industry cluster:** It aims to provide immediate support to industry in taking up Semantic Web technologies. It will standardize languages and interfaces to minimize the interoperability problems. It will provide standard methods and practical guidelines and use case studies to facilitate the industrial applications. It will prepare training courses targeting industrial practitioners. It will establish an Ontology Outreach Authority (OOA) to recommend content for Domain Ontologies.
- **Education cluster:** It aims to develop high-class education courses in the area of Semantic Web, Web Services, and ontologies. It will educate academia students and train industrial employees to gain knowledge of such specialities. It will enable the European Association for Semantic Web Education (EASE) to bring together similar efforts and provide distant learning to broader audience.
- **Research cluster:** It aims to coordinate the research capabilities of the leading research groups in Europe to maintain this research area and to provide European industry with important stimuli ensuring its further progress and development.

In order to spread out the excellence and disseminate the results, efforts are allocated to cross fertilize among related R&D areas and interweave with other related projects or initiatives. These form the focuses of work package 1.5, which will provide joint education and training efforts both in academia and industry by jointly organizing workshops, conferences, summer schools, education courses, training course for industry and so on. WP1.5 is coordinating the cross network collaboration throughout these three clusters.

This deliverable is the updated version of D1.5.2 with reporting of updated education and training events focusing on the period of June 2005 to December 2005. Efforts on formal agreements with other NoEs are aligning with effort in D E-D2¹. It is not the main focus of this deliverable after consulting with the scientific coordinator of KW. Finally the future plans and discussion are provided at the end.

¹ This deliverable contains a letter of intent in which the Networks of Excellence REVERSE and KnowledgeWeb agree to run a common repository for learning units about Semantic Web topics and topics about reasoning in the Semantic Web, to share and exchange the learning units mutually, and to support the Virtual Institute of Semantic Web Education (VISWE) in managing and running the repository.

2. Education and training activities

In this section, we update the report of joint education and training activities and other identified related initiatives focusing on the period of June 2005 to December 2005.

2.1 Key events (6.2005/12.2005)

This part lists the key events organized by Knowledge Web or jointly with other initiatives during the period of June 2005 till December 2005.

ISWC2005

Event Title: 4th International Semantic Web Conference

When: 7-11 Nov, 2005

Where: Galway, Ireland

Website: <http://iswc2005.semanticweb.org/>

Organizers: SDK

Cross Network Effort: Rewerse, AgentlinkIII, aceMedia contribute by organizing workshops or participating in this event.

KW contribution: KW is contributing for organization of the event via SDK cluster.

Activity Summary: It is one of the major events organized by SDK yearly. ISWC is a major international forum where visionary and state-of-the-art research of all aspects of the Semantic Web is presented. ISWC2005 follows the 1st International Semantic Web Conference (ISWC2002 which was held in Sardinia, Italy, 9-12 June 2002), the 2nd International Semantic Web Conference (ISWC2003 which was held in Florida, USA, 20 - 23 October 2003) and the 3rd International Semantic Web Conference (ISWC2004 which was held in Hiroshima, Japan, 7 - 11 November 2004). Tutorials include Semantic Web Enabled Software Engineering (SWESE) and The Semantic Desktop - Next Generation Personal Information Management and Collaboration Infrastructure. Workshops include: Uncertainty Reasoning For the Semantic Web, Ontology Patterns for the Semantic Web, End User Semantic Web Interaction, Knowledge Markup and Semantic Annotation (Semannot2005), Semantic Network Analysis, Semantic Web Case Studies and Best Practices for eBusiness (SWCASE), and The Semantic Web and Policy Workshop (SWPW).

ISWC 2005 attracted a record number of attendees with just over 480 delegates who registered online for the conference, among them 161 student attendees, 210 academic attendance and 128 industry attendance. There were 4 tutorials which were attended by a combined total of approximately 168 delegates. There were 9 workshops which had a combined attendance of approximately 433 delegates. In addition the Industry Day event - The Information Juggernaut - attracted over 100 attendees and received national media coverage. The Industry Track of this ISWC2005 edition contains 17 papers, an increase compared to ISWC2004. This is reflecting the trend that increasingly more organizations are applying Semantic Web technology in industrial settings. More than 30 papers were

submitted, and each paper was reviewed by three reviewers. All reviewers came from recognized researchers, managers and practitioners from non-academic organizations, with the aim to get “industrial” feedback on industrial applications. The majority of the papers deal with applications in particular sectors, including automotive, legal, healthcare, entertainment, public administration and telecommunications. The second group of papers describes applied technology for building applications, including web services and aggregation technology. Other papers present methodological and feasibility aspects of building industrial applications that incorporate Semantic Web technology.

217 papers were submitted to the Research/Academic Track with 54 selected for the conference. The best paper award was issued jointly to Peter Mika “*Ontologies are us: A unified model of social networks and semantics*”, and Boris Motik “*On the properties of Metamodeling in OWL*”. More than 30 papers were submitted to the Industrial Track with 17 accepted. There were 101 posters and demos submitted with 78 accepted. A Doctoral Symposium was held for the first time and attracted 8 submissions. Several KW members were on the panel for this Doctoral Symposium.

Semantic Web Days

Event Title: Semantic Web Days – Business Solutions for Tomorrow

When: 6-7 Oct, 2005

Where: Munich, Germany

Website: <http://semantic-web-days.net>

Organizers: Rewerse, KW

Cross Network Effort: This is one of the major joint events organized together by Rewerse and KW. AgentLink is participating in this event.

KW contribution: KW is one of the main organizers and organizes two KW workshops on industrial application of semantic web and semantic web services.

Activity Summary: Semantic Web Days 2005 which took place in Munich in October offered a forum for innovative companies and research institutions with the strong desire to accelerate the uptake of Semantic Web technologies. A major goal of the two-day conference was to present the latest Semantic Web technologies which are very promising or already in use.

The international conference with attendees from all over Europe, as well as the US and Korea was organised by the EU Network of Excellence REWERSE (REasoning on the WEb with Rules and SEmantics) in cooperation with Knowledge Web.

One of the central questions of the two days focused on the degree of maturity of the technologies i.e. Ontology, Reasoning, Business rules, facing real needs in industry i.e. data, services and business automated integration. The message, which was also discernable in the concluding panel discussion, was that procedures to describe semantic coherences presently mainly exist in the form of pilot studies, but so far hardly in major industrial projects. But although only a limited number of projects are so far realized with

Semantic Web technologies, the power of the Semantic Web approach as well as the need for catch-up became obvious at the Semantic Web Days. The more than 130 participants at the Semantic Web Days showed no doubt that there is high potential for the application and already convincing pre-deployed applications of Semantic Web technologies.

At present, established projects are focused on the development of corporate Knowledge Management, Telecommunication applications, Business integration for agile enterprises and Health care. Furthermore, the exhibition with more than 12 companies and institutions organized in reference to the Semantic Web Days demonstrated that quite a number of SMEs already have products on the basis of Semantic Web technologies.

Keynote speaker Hermann Friedrich, who is responsible at Siemens AG for the development of the knowledge database used internally in the company speaks about first experiences with Semantic Web: “We also have the possibility to classify documents in content management, but with ontologies it is possible to demonstrate more complex coherences.”

Modeling complex causal coherences is also a focus for Thomas Syldatke, one of the panelists at the concluding panel discussion “Earning Money with Semantic Web Technologies – examples of best practice and outlook for promising projects of the future”. He is responsible at Audi AG for the development of software for testing engines. “This is a very complex procedure, there are a lot of rules which we are integrating with ontologies which need to be considered”, he notes. Ten percent of the rules have been integrated in the first pilot application which was finished in June. Hundred percent of the rules are supposed to be integrated with the ontology by December this year.

Four workshops on the topics “Industrial Applications of Semantic Web technologies”, “Vocabularies and Rules for Enterprise Applications”, “Semantic Web Services in Industry” and “Semantic Web for Life Sciences” as well as a presentation on “Geospatial Information Processing for the Web” demonstrated more in detail that there is high potential for semantic technologies such as ontologies and rules to provide better and faster solutions than conventional methods. Pilot projects presented at the Semantic Web Days proved those potential advantages.

Overall, the organizers have been satisfied with the event, and their impression has been backed by the feedback from the participants, who wished to establish this conference so that developments and applications of Semantic Web Technologies can be communicated between companies and research institutions in a timely manner. Last but not least, the participants list of the Semantic Web Days demonstrated that the goal of exchange between business and research has been achieved as half of the participants came from companies while the other half came from research institutions. Qualified presentations, the participants themselves, nice surroundings and many opportunities for social networking contributed to the success of the two days.

ESWC2005

Event Title: 2nd European Semantic Web Conference (ESWC2005)

When: May 29 to June 1, 2005

Where: Crete, Greece

Website: <http://www.eswc2005.org>

Organizers: SDK

Cross Network Effort: Rewerse, AgentlinkIII and aceMedia contributed to the organization of workshops and participated in the event. Muscle, Aim@Shape and KnowledgeBoard participated in this event. All NoEs were jointly organizing one workshop "Framework 6 Project Collaboration for the Future Semantic Web" during this event.

KW contribution: KW was one of the major organizers via SDK cluster.

Activity Summary: ESWC is one of the key activities organized by KW yearly. It aims to present the latest results in research and application in Semantic Web technologies (including knowledge mark-up languages, semantic web services, ontology management and more). The conference which was held in Heraklion, Crete attracted over 270 attendees from university, business and industry presenting latest results in research and application in Semantic Web Technologies. Various presentations, lectures, tutorials and workshops focused on research in areas such as Semantic Web Services, Semantic Web-based Knowledge Management, Semantic Web Mining and Ontology Management. Through the Industry Forum which aimed to present current and future requirements of Business, Industry and Services to the leading research community and technological solution providers in Semantic Web technology ESWC has maintained its strong industrial involvement. The 2nd Annual European Semantic Web Conference presented the latest results in research and application in semantic web technologies. Following the success of the first edition, ESWC 2005 increased the interest of the participants. With 148 submissions, the number of submitted papers doubled that of the previous edition. Each submission had been evaluated by at least three reviewers. The selection process had resulted in the acceptance of 48 papers for publication and presentation at the conference (an acceptance rate of 32 %). In addition, ESWC 2005 also featured a special industry forum providing European industry with an opportunity to become even more familiar with these technologies. In addition to the main conference, ESWC 2005 included 6 workshops, 5 tutorials as well as demo and poster session. Several European projects had meetings collocated with the main conference. ESWC 2005 was sponsored by SDK. Together these projects aimed to improve world-wide research and standardisation in the area of the Semantic Web. The conference also received precious sponsorship from British Telecom, DERI, Ontoprise, AKT and Collexis. Their help had been greatly appreciated. This conference proceedings has been published by Springer-Verlag in their *Lecture notes in computer science* series.

KW Summer School 2005

Event Title: The Third European Summer School on Ontological Engineering and the Semantic web (SSSW-2005)

When: 10-16 July 2005

Where: Madrid, Spain

Website: <http://babage.dia.fi.upm.es/sssw05/>

Organizers: KW

Cross Network Effort: Rewerse and AgentlinkIII contributed for the invited lectures.

KW contribution: UPM (KW) and OU (KW) were the main organizers.

Activity Summary: This is the third SSSW summer school following the success of the second school held under the auspices of KnowledgeWeb in 2004. Instead of last year's three topic areas, we had six tutorials and a tutorial practical session. Another innovation was a poster session for students. This was included in response to a student comment from SSSW 2004. 22 students presented posters in a session attended by the tutors. This turned out to be a lively, well-attended and fruitful session. Apart from the change from 3 topics to 7, and the introduction of poster sessions, the school had a similar format to previous years. The school was designed to be an intense, focused, week-long learning experience for students (and tutors) with formal, theoretical sessions followed by hands-on practical sessions. These sessions were conducted by researchers active in the semantic web and gave students an opportunity to become acquainted with state of the art ideas and tools. In addition, as a means of integrating the work on the seven topic areas, students had to work in groups of 4 or 5 on a mini-project related to one of the topic areas. The students presented their project work on the last day of the school and a prize was given for best presentation. The six talks by invited speakers gave additional perspectives to the tutorial material and were unanimously welcomed by all the participants at the school. The summer school had 56 students, mostly in the 2nd year of their PhDs, from 14 countries. There were 7 tutors and 6 invited speakers from 6 countries.

Project-of-the-month 2005

Event Title: Project-of-the-month 2005

When: 14 December 2005

Where: KB 2.0 Website – Online event

Website: <http://www.knowledgeboard.com>

Organizers: University of Innsbruck (KW) and KB2.0

Cross Network Effort: This is the joint online event by KW and KB2.0

KW contribution: KW is one of the event organizers

Activity Summary: This is the important event jointly organized by Knowledge Board and Knowledge Web. It aims to use the Knowledge Board as the dissemination channel due to the large audience committee of Knowledge Board to disseminate Knowledge Web related information. It is an online event with the easy access for people from all over the world. The participants show great interest in Semantic Web Technologies and would like to know more about such technologies and especially some convincing real life applications.

Semantic Web Information Day

Event Title: Semantic Web Information Day

When: 07.06.2005

Where: EADS Germany Offices, Potsdamer Platz 1, 10785 Berlin

Website: <http://www.swit.xml-clearinghouse.de/> (in German)

Organizers: Free University of Berlin and XML Clearinghouse

Cross Network Effort: KW contribution: presentation of the Knowledge Web Industry use cases by Lyndon Nixon (more information in D3.2.9)

Activity Summary: The first Semantic Web Information Day was organized in 2004 by Prof. Robert Tolksdorf (FU Berlin, Networked Information Systems) and Prof. Rainer Eckstein (HU Berlin, Databases and Information systems) as an event of the XML Clearinghouse Berlin (<http://www.xml-clearinghouse.de>), a non-profit organization funded by the German Ministry of Research (BMBF) whose aim is to support the transfer of XML technologies as a public service. It took place at the Free University of Berlin. The aim of the event was to introduce attendees from local industry to central topics of the Semantic Web: standard representation languages like RDF(S) and OWL, ontologies and use scenarios for Semantic Web technologies. The 50 participants attending the event had the chance to learn about the Semantic Web during a half-day workshop and exchange opinions about its potential in an industrial setting in a concluding open discussion. Due to our experience in providing this kind of events on a regional basis we organized a second Semantic Web Information Day for Professionals in May 2005. This event took place as part of the KnowledgeWeb NoE activity in educational outreach to industry, and benefitted from integrating the local knowledge of XML Clearinghouse with the wider contacts being built up in the KnowledgeWeb Industry Board, the experience and resources of KnowledgeWeb partners as well as the ongoing development and provision of learning units for professionals. The event was an opportunity to evaluate the workshop format and the use of targeted learning materials for educating interested business professionals about the potential of the Semantic Web for their business practices. We intend to extend the original scope of the event to a special session on real-world Semantic Web applications.

Berlin XML Days: Semantic Web Tutorial

Event Title: Berlin XML Days: Semantic Web Tutorial

When: 13.09.2005

Where: Humboldt University of Berlin

Website: <http://www.xml-clearinghouse.de/ws/BXML2005/> (in German)

Organizers: Free University of Berlin and XML Clearinghouse

Cross Network Effort: Co-operation with SEKT through the participation of Dr York Sure (Uni Karlsruhe) and provision of tutorial material.

KW contribution: Presentation of the Knowledge Web Industry use cases by Lyndon Nixon (more information in D3.2.9)

Activity Summary: The Berlin XML Days has been organized annually since 2003 as the leading German language conference for XML and Semantic Web technologies. The 2005 event attracted over 400 participants. As part of the conference, tutorials are offered on key themes such as XML and Databases, Web Services and the Semantic Web. As part of the activity of Knowledge Web, WP3.2 offered a tutorial on Semantic Web together with Dr York Sure. Content from the SEKT and Knowledge Web was used to communicate the industrial value of the Semantic Web.

2.2 Other Events

This part lists the rest of the events jointly organized with other projects or initiatives.

Rewerse

Semantic Web Days 2005 (see 2.1)

Schloss Dagstuhl Principles and Practices of Semantic Web Reasoning Seminar

Event Title: Principles and Practices of Semantic Web Reasoning Dagstuhl Seminar

When: September 11-16, 2005

Where: Dagstuhl, Germany

Website: <http://www.dagstuhl.de/05371>

Organizers: Rewerse

Cross Network Effort: KW was participating in the organization of the event

KW contribution: University of Karlsruhe, University of Ireland – Galway, Free University - Bozen , University of Trento, University of Hannover / L3S, Vrije Universiteit Amsterdam (KW) were contributing.

Activity Summary: The seminar brought together the two NoEs Rewerse and KW

AgentLinkIII

AAAI 2005 First International Symposium on "agents and the semantic web"

Event Title: AAI 2005 First International Symposium on "agents and the semantic web"

When: November 3rd-6th, 2005

Where: Arlington, Virginia, USA

Website: <http://www.daml.ecs.soton.ac.uk/AAAI-FSS05/>

Organizers: AgentlinkIII

Cross Network Effort: KW is participating in the organization of this event

KW contribution: UniLiv (KW) was one of the organizers.

Activity Summary: For details see Del1.5.2

Workshop @ ESWC 2005

Event Title: ESWC 2005 workshop on "Framework 6 Project Collaboration for the Future Semantic Web"

When: May 29 – June 1, 2005

Where: Heraklion, Greece

Website: <http://www.agentlink.org/workshops/CFSW05/>

Organizers: AgentlinkIII

Cross Network Effort: KW, Muscle, Aim@Shape, KB2.0, SDK

KW contribution: UniLiv (KW) was the key organizer.

Activity Summary: For details see Del1.5.2

Agentlink Summer School 2005

Event Title: EASSS 2005: The seventh agent systems summer school

When: July 17-22, 2005

Where: Utrecht, The Netherlands

Website: <http://www.agentlink.org/happenings/easss/2005/index.html>

Organizers: AgentlinkIII

Cross Network Effort: KW was contributing for some tutorials and lectures.

KW contribution: UniLiv (KW) was one of the key organizers.

Activity Summary: For details see Del1.5.2

CEEMAS2005

Event Title: Tutorial at 4th international central and eastern European conference on Multi-agent systems

When: September 15-17, 2005

Where: Budapest, Hungary

Website:

Organizers: AgentlinkIII and KW

Cross Network Effort: KW was the co-organizer of this event.

KW contribution: UniLiv (KW) was one of the organizers.

Activity Summary: For details see Del1.5.2

AAMAS-2005 INDUSTRY TRACK

Event Title: AAMAS-2005 INDUSTRY TRACK

When: July 25-29 2005

Where: Utrecht, the Netherlands

Website: <http://www.aamas2005.nl/>

Organizers: AgentlinkIII

Cross Network Effort: KW

KW contribution: UniLiv (KW) was one of the organizers

Activity Summary: For details see Del1.5.2

ATC2

Event Title: Agent Technology Conference

When: Oct 18, 2005

Where: Stockholm, Sweden

Website: <http://www.agentlink.org/agents-stockholm>

Organizers: AgentlinkIII

Cross Network Effort: KW

KW contribution: UniLiv (KW) was one of the organizers

Activity Summary: For details see Del1.5.2

Global Grid Forum Semantic Grid Research Group – SemanticGrid

Schloss Dagstuhl Semantic Grid Seminar

Event Title: Semantic Grid Dagstuhl Seminar

When: July 3-8, 2005

Where: Dagstuhl, Germany

Website: <http://www.dagstuhl.de/05271>

Organizers: SemanticGrid, KW, SEKT, OntoGrid

Cross Network Effort: KW was contributing to the organization and sponsoring the event.

KW contribution: University of Manchester and University of Karlsruhe (KW) were contributing for organization.

Activity Summary: It is the key seminar in the area and attended by key international experts from the research fields Semantic Grid, Semantic Web, Grid, Agents, Web Services, P2P.

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Invited talk OECD Global Science Forum on Grid Computing

Event Title: OECD Global Science Forum on Grid Computing

When: Sydney, Australia

Where: 25-27 September 2005

Website: <http://www.semanticgrid.org>

Organizers: SemanticGrid

Cross Network Effort: KW was contributing to the invited speeches.

KW contribution: UoM (KW) was contributing for organization.

Activity Summary: Invited expert and speaker (Prof. Carole Goble) for the UK delegation to the OECD Global Science Forum on Grid Computing, Sydney, Australia 25-27 September 2005 on The Semantic Grid.

Keynote speaker for 1st IEEE Intl Conf on e-Science and Grid Technologies

Event Title: Keynote speech at 1st IEEE Intl Conf on e-Science and Grid Technologies

When: 5-8 December 2005

Where: Melbourne, Australia

Website: <http://www.semanticgrid.org>

Organizers: SemanticGrid

Cross Network Effort: KW was contributing to the invited speeches.

KW contribution: UoM (KW) was contributing for the invited speech.

Activity Summary: Keynote speech (Prof. Carole Goble) on Semantic Grid

Keynote speech at 4th Intl Semantic Web Conference 2005

Event Title: Keynote speech at ISWC2005

When: 6-10 November 2005

Where: Galway Ireland

Website: <http://www.semanticgrid.org>

Organizers: SDK

Cross Network Effort: KW and Semantic Grid were contributing to invited speeches.

KW contribution: UoM (KW) was contributing for organization.

Activity Summary: Keynote speech (Prof. Carole Goble) on e-Science and the Semantic Web: Incubation, Inspiration, Irritation.

Invited keynote K-CAP 2005, 3rd Intl Conf on Knowledge Capture

Event Title: Keynote speech at K-CAP 2005, 3rd Intl Conf on Knowledge Capture

When: October 2-5, 2005

Where: Banff, Canada

Website: <http://www.semanticgrid.org>

Organizers: SemanticGrid

Cross Network Effort: KW was contributing to the invited speeches.

KW contribution: UoM (KW) was contributing for invited speech.

Activity Summary: Invited keynote (Prof. Carole Goble) on The Montagues and the capulets: a Sequel (a talk about life science and ontologies)

aceMedia

2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies (EWIMT)

Event Title: 2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies (EWIMT)

When: November 30 - December 1, 2005

Where: London, UK

Website: <http://www.acemedia.org/ewimt2005>

Organizers: aceMedia, IEE

Cross Network Effort: KW

KW contribution: ITI (KW) was one of the key organizers

Activity Summary: This workshop addresses integrative research targeting the engineering of new knowledge based forms of digital media systems. It intends to bring together those forums, projects, institutions and individuals engaged in research aimed at the integration of knowledge, semantics and low-level multimedia processing, and link them with industrial research and development engineers who could exploit the underlying emerging technology. The EC decided to use this event to publicize both the update to the 6th Framework Programme and the launch of the 7th Framework Programme. To this end, an IST Symposium took place on the second day of the workshop (December 1), featuring the launch of the 7th Framework Programme, a Keynote on the IST vision and informative talks from EU commission representatives.

BIT²

BIT Invited Talk: Executable Modeling of Generic Service Compositions with JOpera

Event Title: Executable Modeling of Generic Service Compositions with JOpera

When: October 25th, 2005

Where: Innsbruck, Austria

Website:

Organizers: BIT

Cross Network Effort: UIBK(KW)

KW contribution: UIBK (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: Contextual Modeling

Event Title: Contextual Modeling

When: 20.09.2005

Where: Free University of Bozen-Bolzano, Italy

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano (KW)

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: On the Semantics of Anonymous Identity and Reification

Event Title: On the Semantics of Anonymous Identity and Reification

When: 21.07.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: IS Development: Method-inAction

Event Title: IS Development: Method-inAction

When: 04.07.05

Where: Free University of Bozen-Bolzano

² BIT is the initiative from Universities of Bozen/Bolzano, Innsbruck and Trento aiming to invest substantial resources towards the strengthening of its teaching, research and technology transfer programs in IT.

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: Biological Data Set Management: an Introduction

Event Title: Biological Data Set Management: an Introduction

When: 19.06.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: From Semantic Data Models to the Semantic Web

Event Title: From Semantic Data Models to the Semantic Web

When: 19.06.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: The Next Step in Data Management: Probabilistic Data

Event Title: The Next Step in Data Management: Probabilistic Data

When: 20.06.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: Towards a Unified Framework for the Study of Web Services Composition

Event Title: Towards a Unified Framework for the Study of Web Services Composition

When: 21.06.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

BIT Invited Talk: To Give or not to Give: Just How Safe is Your Data?

Event Title: To Give or not to Give: Just How Safe is Your Data?

When: 22.06.05

Where: Free University of Bozen-Bolzano

Website:

Organizers: BIT

Cross Network Effort: Free University of Bozen-Bolzano

KW contribution: Free University of Bozen-Bolzano (KW) was the main organizer.

Activity Summary: BIT organizes regular seminars and invited talks among Bozano, Trento and Innsbruck universities.

W3C

WSMO

Event Title: Submission of WSMO to W3C

When: summer of 2005

Where: W3C

Website: <http://www.w3.org/Submission/2005/06/>

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP

KW contribution: Knowledge Web is involved in such submission.

Activity Summary: The Web Services Modelling Ontology (WSMO) has been submitted to the W3C. Web services have added a new level of functionality to the current Web by making a first step towards seamless integration of distributed software components using web standards. While current web service technologies around SOAP, WSDL and UDDI cover mainly aspects of syntactic interoperability between services through common standards, WSMO complements these standards by providing a conceptual model and language for the semantic markup describing all relevant aspects of general services which are accessible through a web service interface. The ultimate goal of such markup is to enable the (total or partial) automation of the tasks (e.g. discovery, selection, composition, mediation, execution, monitoring, etc.) involved in both intra- and inter-enterprise integration of web services. WSMO has its conceptual basis in the Web Service Modeling Framework (WSMF), refining and extending this framework and developing a formal ontology and set of languages. Expository Documents:

- Web Services Modelling Ontology (WSMO)

<http://www.w3.org/Submission/WSMO/>

- Web Services Modelling Language (WSML)

- <http://www.w3.org/Submission/WSML/>
- Web Services Modelling Environment (WSMX)
<http://www.w3.org/Submission/WSMX/>
- Relationship of WSMO to other relevant technologies
<http://www.w3.org/Submission/WSMO-related/>
- Web Services Modelling Ontology Primer
<http://www.w3.org/Submission/WSMO-primer/>

WRL

Event Title: Submission of Web Rule Language (WRL) to W3C

When: 9.9. 2005

Where: W3C

Website: <http://www.w3.org/Submission/WRL/>

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP

KW contribution: Knowledge Web is involved in such submission.

Activity Summary: The Web Rule Language WRL is a rule-based ontology language for the Semantic Web. The language is located in the Semantic Web stack next to the Description Logic based Ontology language OWL. WRL defines three variants, namely Core, Flight and Full. The Core variant marks the common fragment between WRL and OWL. WRL-Flight is a Datalog-based rule language. WRL-Full is a full-fledged rule language with function symbols and negation under the Well-Founded Semantics. By publishing this document, W3C acknowledges that DERI Innsbruck at the Leopold-Franzens-Universität Innsbruck, Austria, DERI Galway at the National University of Ireland, Galway, Ireland, The Open University, Software AG, Forschungszentrum Informatik (FZI), BT, and National Research Council Canada have made a formal submission to W3C.

OASIS

The OASIS Semantic Execution Environment Technical Committee

Event Title: The OASIS Semantic Execution Environment Technical Committee

When: autumn 2005

Where: OASIS

Website: <http://www.oasis.org>

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP, ASG

KW contribution: Knowledge Web is involved in such preparation.

Activity Summary: The OASIS Semantic Execution Environment Technical Committee has been established. This TC will operate under our 2005 IPR Policy. The OASIS SEE TC aims to continue work initiated by the WSMX project and working group visible at <http://www.wsmx.org> and several other projects in Europe such as DIP (<http://dip.semanticweb.org/>), ASG (<http://asg-platform.org/>) and other projects in the area of Semantic Web Services which will start in the coming months. The aim of the

SEE TC is to provide guidelines, justifications and implementation directions for an execution environment for Semantic Web services. The resulting architecture will incorporate the application of semantics to service-oriented systems and will provide intelligent mechanisms for consuming Semantic Web services. The SEE TC's efforts will foster compatibility across specifications developed for Semantic Web Services, and where possible re-use existing standards and methods that already have been carried in areas of Semantic Web and Web Services. This TC will engage with industry, academic and research communities to facilitate understanding, awareness and possible collaborations regarding emerging semantic technologies and research applicable to semantically-aware Web Services.

SDK

1st International Workshop on Web Service Choreography and Orchestration for Business Process Management

Event Title: 1st International Workshop on Web Service Choreography and Orchestration for Business Process Management

When: 5.9.2005

Where: Nancy, France

Website:

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP, ASG

KW contribution: Knowledge Web is involved in organization.

Activity Summary: BPM workshop aimed to address research around methods, concepts, models, languages and technologies for Choreography and Orchestration of Web Services with special focus on Web Service technologies and solutions for Business Process Management.

WWW Service Composition with Semantic Web Services Workshop (WSCOMP05)

Event Title: WWW Service Composition with Semantic Web Services Workshop (WSCOMP05)

When: 19.9.2005

Where: Compiègne University of Technology, France

Website: <http://www.oasis.org>

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP, ASG

KW contribution: Knowledge Web is involved in the organization.

Activity Summary: The workshop was held on 19th September, during the 2005 IEEE/WIC/ACM International Joint Conference on Web Intelligence (WI 2005) and Intelligent Agent Technology (IAT 2005). This workshop aimed to tackle the research problems around methods, concepts, models, languages and technology that enables composition of services in the context of the WWW. Particularly, the workshop focused on the methodologies that enable automatic or semiautomatic composition of services, semantic web service, and e-services. The workshop brought together researchers and industry attendees fostering a greater understanding of how the composition of services in

the context of WWW can assist business to business and enterprise application integration.

The European Semantic Systems Initiative (ESSI)

Event Title: the European Semantic Systems Initiative (ESSI)

When: October 2005

Where:

Website: www.essi-cluster.org

Organizers: DERI, SDK

Cross Network Effort: Knowledge Web, DIP, ASG

KW contribution: Knowledge Web is involved in this initiative.

Activity Summary: In October, The SDK Cluster has strategically aligned with ASG project (Adaptive Services Grid) resulting in the formation of the European Semantic Systems Initiative (ESSI) www.essi-cluster.org. The new ESSI Cluster combines Semantic Web Services and Semantically empowered system solutions with Semantically empowered service-oriented architectures. ASG will add value to the new ESSI cluster by providing a proof-of-concept prototype of an open platform for adaptive services discovery, creation, composition and enactment. The goal of ESSI is to provide a forum for communication within the four projects: SEKT, DIP, Knowledge Web and ASG and to strengthen European research and industry through world-wide standardisation. The first common initiative of ESSI Cluster is supporting SEMANTICS 2005 which will take place in Vienna, on 23 – 25 November. The event offers a forum of exchange for innovative businesses and European research institutions that concentrate on semantic technologies. Leading international experts will discuss current developments and future trends from the technological, economical and social view and present current research and products of semantic systems. Recently, ESSI initiative has been published in IST news (<http://istresults.cordis.lu/index.cfm/section/news/tpl/news/Briefs/briefs/ID/79390>).

2.3 Future plan and discussion

In the coming 6 months, KW will continue the effort to join the organization of some future events. We will report the progress and updates. KW will also focus the potential joint collaboration with Rewerse and AgentLinkIII and other identified interesting initiatives and organizations (such as W3C, OASIS, etc.).

Education and training collaboration between Knowledge Web and Rewerse are forming the joint education portal courseware repository named REASE (Repository of the European Association of Semantic Web Education, REASE). REASE is planned to become an association according to German law, which will host the learning unit repository and will possible become the organizational umbrella for various summer schools. In the context of KnowledgeWeb, a learning unit repository has already been set up successfully and the first learning units are available, which deal with basics on the Semantic Web (RDF, Ontologies, OWL), advanced topics such as human language technology or tools and applications to be used in the Semantic Web. This learning unit repository is available at <http://rease.semanticweb.org>. Collaboration between Rewerse

3. Summary of key activities

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and KW regarding EASE has been formalized in a Letter of Intent (see joint deliverable E-D2 (REWERSE) / D-E-D2 (KnowledgeWeb)).

3. Summary of key activities

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3. Summary of key activities

This table summarizes the joint events (took place and planned):

Event	When	Where	Main Organizers	Other Organizers	Event Summary
The 25th International Conference on Computer Safety, Reliability and Security	26-29.9.2006	Gdansk, Poland	Safecomp.org	KW members are in PCs	SAFECOMP is an annual event organised as a one-stream programme over two and a half days covering the state of the art, experience and new trends in the areas of safety, security and reliability of critical IT systems and applications.
2006 IEEE International Conference on Web Services (ICWS 2006)	18-22.09.2006	Chicago, USA	University of Stuttgart, Germany, IBM T.J. Watson Research, USA	KW members are in organization or in PC.	ICWS has been a prime international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state of the art and practice of Web Services.
The 32nd International Conference on Very Large Data Bases (VLDB)	12-15.9.2006	Seoul, Korea	Seoul National University, Korea	KW members are in PCs (INRIA, EPFL, etc.)	VLDB 2006 is a premier international forum for database researchers, vendors, practitioners, application developers, and users.
1st Asian Semantic Web Conference (ASWC2006)	3-7.9.2006	Beijing, China	Tsinghua University, China	EASTWeb, KW, SDK	The 1st Asian Semantic Web Conference (ASWC2006) has been established to foster research and development of the Semantic Web and its related technology in Asia. ASWC will be run by ASWC steering committee in harmony with the sister conferences such as International Semantic Web Conference (ISWC) and European Semantic Web Conference (ESWC).
17th European Conference on Artificial Intelligence (ECAI2006)	28.8-1.9.2006	RIVA DEL GARDA, Italy	University of Leipzig, Germany	KW member are organizers and in PCs	Yearly EU conference on Artificial Intelligence.
International Workshop on Applications of Logic Programming in the Semantic Web and Semantic Web Services	10-22.8.2006	Washington , USA	DERI	KW members	This workshop wants to advance the applications of Logic Programming as a paradigm for declarative knowledge representation and reasoning for the Web. The idea is to bring together the impressive body of work related to applications of LP to Semantic Web and Semantic Web Services.
18 th European Summer School in Logic, Language and Information – ESSLLI2006	31.07-11.08, 2006	Malaga, Spain	INRIA (KW)		KW will contribute for participation.
3rd European Semantic Web Conference (ESWC 2006)	11-14.6.2006	Budva, Montenegro	SDK	KW members are organizers and PCs	ESWC 2006 is annual European event on Semantic Web and Semantic Web Services.
14 th European Conference on Information Systems	12-14.6.2006	Goeteborg, Sweden	Athens Uni. Economics and business, Greece	KW (KW members are Track chairs and in PCs)	The main objective is to communicate high quality research findings in the leading-edge aspects of Semantic Web and Information Systems convergence.
Canadian Semantic Web Working Symposium	6.6.2006	Quebec City,	Canadian Society for the	KW members are in PCs	Regional event on Semantic Web

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(CSWWS 2006)		Canada	Computational Studies of Intelligence (CSCSI).		
LREC2006, 5 th Conference on Language Resources and Evaluation	24-28.5.2006	Genova, Italy	ELRA	KW supports such events previously	The aim of the LREC conference is to provide an overview of the state-of-the-art, explore new R&D directions and emerging trends, exchange information regarding LRs and their applications, evaluation methodologies and tools, ongoing and planned activities, industrial uses and needs, requirements coming from the new e-society, both with respect to policy issues and to technological and organizational ones.
World Wide Web Conference 2006	22-26.5.2006	Edinburgh, UK	International World Wide Web Conference Committee	KW members are organizers and PCs	The World Wide Web Conference is the global event that brings together the key influencers, decision makers, technologists, businesses and standards bodies that together are shaping the future of the web.
THE SEMANTIC WEB TRACK, 17th IRMA International Conference	21-24.5.2006	Washington , D.C., USA	IRMA	KW members (such as DERI) are in PCs.	This track seeks to explore the recent advances related to the Semantic Web by bringing together researchers and practitioners who work on the tools, methodologies, technologies, standards and applications in this area.
4th Hellenic Conference on Artificial Intelligence (SETN'06)	18-20.5.2006	Crete, Greece	FORTH	KW	Its ambition is to attract researchers from the various areas of AI who will present novel research results on the theoretical foundations, models, methods and applications of AI.
International Workshop on Managing Context Information and Semantics in Mobile Environments (MCISME)	9-12.5.2006	Nara, Japan	EPFL, Switzerland	SDK (some of SDK members are in PC)	This workshop plans to address the interdisciplinary issues of the domain and bring together researchers from mobile data management, knowledge management/semantics, distributed systems, and software engineering to discuss the common interests, share and exchange expertise and results.
The 4th International Conference on Pervasive Computing	7-10.5.2006	Dublin, Ireland	University College Dublin, Ireland	KW member DERI is one of the organizers	PERVASIVE is an international conference held annually which aims to present significant research contributions in the area of pervasive computing technologies, systems and applications. It provides a forum for researchers, developers, and users throughout the world to present advances in computing technology toward new modes of operation.
Third International Workshop on PHILOSOPHY AND INFORMATICS (WSPi 2006)	3-4.5.2006	Saarbrücken, Germany	Saarland University, Germany		KW is presenting paper there. The workshops are designed to encourage interdisciplinary exchange on the philosophical foundations of informatics. They

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					seek to bring together researchers from philosophy and informatics and neighboring disciplines in order to explore common points of interest and to develop an interface between the disciplines and a common vocabulary.
Eighth International Symposium on Functional and Logic Programming FLOPS 2006	24-26.4.2006	Fuji Susono, JAPAN	University of Tokyo, Japan	INRIA	FLOPS is a forum for research on all issues concerning declarative programming, including functional programming and logic programming, and aims to promote cross-fertilization between the two paradigms.
Semantic-Based Resource Discovery, Retrieval and Composition RDRCTECHNICAL TRACK at the 21st ACM Symposium on Applied Computing SAC 2006	23-27.4.2006	Dijon, France	Politecnico di Bari, Italy	KW members are in PCs (Open Uni., Uni Manchester, DERI, Uni Trento)	The Semantic-Based Resource Discovery, Retrieval and Composition – RDRCTrack aims at gathering researchers from various fields, spanning from matchmaking in electronic commerce, to intelligent multimedia retrieval, to planning in artificial intelligence, to web services discovery and composition.
International Workshop on Semantics Enabled Networks and Services (SeNS-2006)	3-7.4.2006	Atlanta, GA, USA	CISCO Systems, Inc	University of Georgia, USA, which is KW member. KW members are in PCs	The SeNS workshop aims to bring together researchers and practitioners from networks, distributed systems/services, and data/information semantics areas, and initiate research discussions on the role of semantics in the design of networked systems and services.
International Conference on Semantics of a Networked World: Semantics of sequence and time dependent data (ICSNW'06)	30-31.3.2006	Munich, Germany	University of Konstanz, Germany	KW members are in PCs.	The purpose of the Conference is to provide an active forum for researchers and practitioners for presentation and exchange of research results and discuss practical issues in the management of data, this time applied to sequence and time dependent data. This event encourages researchers and practitioners to submit original contributions and case studies that elucidate semantic issues.
1st Workshop on The Semantic Web meets eGovernment (SWEG'06)	27-29.3.2006	California, USA	Stanford University	KW members are organizers of this event and some are in PCs (FZI, Uni Georgia, DERI, DFKI, Open Uni, AIFB, etc.)	In this Symposium we invite contributions which tackle theoretical, technical and application aspects of the usage of Semantic Web methods for eGovernment problems.
Fourth IEEE International Conference on Pervasive Computing and Communications (PerCom 2006)	13-17.3.2006	Pisa, Italy	Istituto di Informatica e Telematica, Pisa, Italy	KW member is in PCs	PerCom 2006 will provide a high profile, leading edge forum for researchers and engineers alike to present their latest research in the field of pervasive computing and communications.
International Conference on Internet and Web Applications and Services ICIW'06	23-25.2.2006	Guadeloupe, French Caribbean	DERI is one of the organizers	KW members are some of the organizers (DERI, FrechTelecom)	The ICIW 2006 focuses on several tracks concerning Web technologies, design and development of Web-based applications, and interactions of these applications with other types

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					of systems.
20th Workshop on Logic Programming	22-24.2.2006	Vienna, Austria	TU Wien	Rewerse and KW members are in PCs (DERI,	The workshops provide a forum for exchanging ideas on declarative logic programming, nonmonotonic reasoning and knowledge representation, and facilitate interactions between research in theoretical foundations and in the design and implementation of logic-based programming systems.
Reference Modeling 2006, 9th conference, in cooperation with the Multi-Conference Wirtschaftsinformatik 2006 (MKWI06)	20-22.2.2006	Passau, Germany	University of Münster, Germany	KW members are in PCs	The objective of the MKWI conference track Reference Modeling 2006 is the exchange of current findings on Information Systems and Computer Science research dealing with the topic of reference modeling.
Special Track on: WEB SERVICE-BASED SYSTEMS AND APPLICATIONS (WEBSA) at the International Conference on Internet and Web Services (ICIW 2006)	19-25.2.2006	Guadeloupe, French Caribbean	DERI	KW members are in PCs (iSOCO, Open Uni., DERI, DFKI,	We inaugurate a series of co-located events that covers complementary aspects related to designing and deploying of applications based on "Internet&Web techniques and mechanisms".
Fourth International Conference on Formal Concept Analysis	13-17.2.2006	Dresden, Germany	Dresden University of Technology, Germany	KWs are in PCs	The conference aims to unify theoretical and applied practitioners using Formal Concept Analysis drawing from the fields of Mathematics, Computer and Information Sciences, Software Engineering, Linguistics, and Philosophy.
6th International Conference on Web Information Systems Engineering	23-27.1.2006	Phoenix, Arizona, USA	Arizona State Univ., USA	KW members are organizers and in PCs (Poznan Uni)	SAINT focuses on emerging and future Internet applications and their enabling technologies. The symposium provides a forum for researchers and practitioners from the academic, industrial, public and governmental sectors, to share their latest innovations on Internet technologies and applications.
Semantic Webs for Life Sciences at the Pacific Symposium on Biocomputing 2006	3-7.1.2006	Maui, Hawaii	University of Manchester, UK	KW members are organizers and PCs	As the recent biomedical ontology sessions at PSB have revealed, there is much activity within bioinformatics in the field of semantic markup of data. The discipline is well poised to build Semantic Webs for Life Sciences that will afford bioinformatics applications deeper computational access to the knowledge element of bioinformatics resources.
5th International Workshop on Web and Wireless Geographical Information Systems	15-16.12.2005	Lausanne, Switzerland	EPFL, Switzerland	KW members are organizers and PCs	This workshop is intended to provide an up-to-date review of advances on recent development of Web and Wireless Geographical Information Systems (W2GIS).
2nd Italian Semantic Web Workshop SEMANTIC WEB APPLICATIONS AND PERSPECTIVES (SWAP)	15-16.12.2005	Trento, Italy	University of Trento, Italy	KW members are organizers (VU, Uni Trento, Free Uni Bozen, L3C, etc.)	This is regional event on semantic web. The workshop aims at being the Italian meeting table for researchers, developers and interested people.
First International Workshop on Mediation in Semantic	12.12.2005	Amsterdam, The	DERI	KW (organizers +	This workshop wants to advance the theoretical and practical

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Web Services (MEDIATE 2005)		Netherlands		PCs), DIP, SDK	knowledge about the design and implementation of mediators in the Semantic Web and Semantic Web services.
International Workshop on Dynamic Web Processes (DWP, 2005),	12.12.2005	Amsterdam, The Netherlands	DERI	KW (organizers + PCs), DIP, SDK	This workshop brings together research from various disciplines as well as industrial practitioners in exploring the role of semantics in creating dynamic Web processes.
3 rd International Conference on Service-Oriented Computing – ICSSOC2005	12-16.12.2005	Amsterdam, NL	IBM, Univ. of Tilburg, DERI (KW, DIP)	SDK	It aims to foster cross community scientific excellence and establish a strong link between research and industry.
2005 International Conference on Self-Organization and Adaptation of Multi-agent and Grid Systems (SOAS2005)	11-13.12.2005	Scotland, United Kingdom	University of Paisley, Glasgow, Scotland	AgentLink +KW	It aims to provide a timely forum to present the latest theoretical and practical results on self-organization and adaptation that have been arising in recent years in the areas of Multi-agent Systems, Grid Computing and Autonomic/Adaptive Computing.
The 18th Annual Conference on Legal Knowledge and Information Systems (JURIX 2005)	8-10.12.2005	Brussels, Belgium	VUB Brussels, Belgium	KW members are organizers +PCs	JURIX is a broad forum for research on information technology as applied to the law, and in particular on the development and application of artificial intelligence in the legal domain.
Australasian Ontology Workshop (AOW 2005)	5-9.12.2005	Sydney, Australia	National ICT Australia (NICTA).	KW members are in PCs	This event will be the first annual installment of the workshop in its most recent incarnation, and the continuation of an annual workshop series that has existed under various guises since 2001.
The 2nd European Workshop on the Integration of Knowledge, Semantic and Digital Media Technologies Semantic and Digital Media Technologies (EWIMT 2005)	30.11 – 1.12.2005	London, UK	aceMedia	KW members are organizers + Pcs	EWIMT 2005 addresses integrative research targeting the engineering of new knowledge-based forms of digital media systems. It intends to bring together those forums, projects, institutions and individuals engaged in research aimed at the integration of knowledge, semantics and low-level multimedia processing, and link them with industrial research and development engineers who could exploit the underlying emerging technology.
Developing a roadmap for the Single European Electronic Market and Information Space in the framework of the new EC i2010 strategy	28-29.11.2005	Lisbon, Portugal	SEEMseed EU project	KW is invited to participate	The commission has recently refocused and re-launched the Lisbon strategy in a new initiative called i2010 – A European Information Society for growth and employment. One of the priorities of this new initiative is the promotion of a Single European Information Space (SEIS) with the aim of progressing towards an internal market for secure and dependable electronic communications and digital.
IEEE Workshop on Knowledge Acquisition from Distributed, Autonomous, Semantically Heterogeneous Data and Knowledge Sources	27.11.2005	Texas, USA	Iowa State University	KW member (Steffen Staab)	The workshop aims to bring together researchers in relevant areas of artificial intelligence (machine learning, data mining, knowledge representation,

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					ontologies), information systems (information integration, databases, semantic Web), distributed computing, and selected application areas (e.g., bioinformatics, security informatics, environmental informatics) to address several questions that arise in the process of knowledge acquisition from distributed, autonomous, semantically heterogeneous data and knowledge sources.
Semantics2005: Semantic Systems in the Knowledge Society – Challenges and Opportunities	23-25.11.2005	Vienna, Austria	NIWA Web Solutions, Austria	KW is participating as speakers and organization	SEMANTICS 2005 offers a forum of exchange for innovative businesses and European research institutions and companies that concentrate on semantic technologies. Leading international experts will discuss state of the art developments and future trends from the technological, economical and social view and present up-to-the-minute research and products of semantic systems. SEMANTICS will be established as an annual event.
First online metadata and semantics research conference	21-30.11.2005			KW members are in PCs	The First on-Line conference on Metadata and Semantics Research (MTRSR'05) aims at bringing together researchers and practitioners that share a common interest in metadata, its representation, its semantics and its diverse applications to information Systems.
First IEEE International Workshop on Performance and Management of Wireless and Mobile Networks	15-17.11.2005	Sydney, Australia	The University of Sydney, Australia	KW members are in PCs.	It will be a one-day workshop, held in conjunction with the IEEE Conference on Local Computer Networks (LCN). The workshop will bring together networking researchers, engineers, and practitioners with participants from industry, academia, and government.
ECOWS 2005 Third IEEE European Conference on Web Services	14-16.11.2005	Vaxjo, Sweden	Vaxjo University, Sweden	KW members are organizers and in PCs (EPFL, Uni Stuttgart, CWI, DERI)	ECOWS 2005 will cover all aspects of Web Services, which constitute the main technology available to date for implementing service-oriented architectures and computing. The main objectives of this conference are to facilitate exchanges between researchers and practitioners and foster future collaborations in Europe and beyond.
Communicating European Research 2005	14-15.11.2005	Brussels, Belgium	EU	SDK	SDK will contribute for participation of workshops and conference
From Needs to Solutions : Enhancing the Civilian Crisis Response Capacity of the European Union	14.11.2005	Brussels, Belgium	EU		KW will participate
W3C workshop on OWL experiences and directions	11-12.11.2005	Galway, Ireland	DERI, W3C	KW (some KW members are organizers and some are	The aim of the workshop is to establish a forum for practitioners in industry and academia, tool developers and others interested

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				in PC), DERI	in OWL to describe real and potential applications, to share experience and to discuss requirements for language extensions/modifications.
International Conference on Rules and Rule Markup Languages for the Semantic Web (RuleML2005)	10-12-11.2005	Galway, Ireland	W3C, SDK, DERI, KW	KW members are organizers + PCs	It is aimed to be this year's premiere scientific conference on the topic. It continues in topic, leadership, and collaboration with the previous series of three highly successful international workshops. Tim Berners-Lee will be the Keynote Speaker.
Future Service Engineering	10.11.2005	Brussels, Belgium	EU		The EU is organising the meeting "Future Service Engineering" (Brussels, November 10) in order to identify key research challenges in service engineering. Key note speakers of Nokia, SAP and Open-IT will set the scene. The projects SeCSE, Infrawebs, DeDiSys, Amigo, MADAM, Sodium, WS2 and ASG working in this area will address some of the challenges into greater detail.
ISWC Workshop Semantic Web Case Studies and Best Practices for eBusiness SWCASE05	7.11.2005	Galway, Ireland	Freie Universität Berlin, French Telecom	KW + Rewerse	The workshop will focus on question of deploying Semantic Web technologies in real business applications.
1st International Semantic Web Doctoral Symposium 2005	7.11.2005	Galway, Ireland	DERI	KW members are organizers	The Doctoral Symposium is a forum for doctoral students to present their work and obtain guidance from mentors as well as to provide contact to other students at a similar stage in their careers.
Second International Workshop on Interaction Design and the Semantic Web	7.11.2005	Galway, Ireland	Athens University of Economics and Business, GR	KW members are in PCs	This workshop will bring together experts -- both practitioners and researchers -- from the semantic web, human-computer interaction, human language technologies, information visualization, information retrieval, and knowledge-based systems communities.
Semantic Network Analysis – Workshop at ISWC2005	7.11.2005	Galway, Ireland	Univ. of Kassel	SDK, SEKT, KW	It aims to bridge the Semantic Web and Social Network communities together.
End user semantic web interaction – Workshop at ISWC2005	7.11.2005	Galway, Ireland	DERI (KW, DIP, SDK)	SDK, Muscle	It aims to discuss on how to bring the power of SW to end users.
Workshop on Semantic Web Enabled Software Engineering - SWESE05	6.11..2005	Galway, Ireland	University of Manchester	KW members are invited speakers, organizers and PCs.	It aims at combing efforts of Unified Modeling Language (UML) tools for the creation of vocabularies and ontologies for the Semantic Web and gets the potential benefits related to the reversal of this approach and the use of Semantic Web concepts in the field of Software Engineering.
1st Workshop on The Semantic Desktop	6.11..2005	Galway, Ireland	DERI (KW), SDK	DERI (KW), SDK	The main focus of this workshop is on providing an overview of existing approaches and elaborating the next steps necessary in order to bring the Semantic Web to the desktop computer.

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ISWC2005: Fourth International Semantic Web Conference	6-10.11.2005	Galway, Ireland	DERI (KW), SDK	Agentlink, Rewerse, Aim@Shape, KB2.0 Muscle	It is one of the key events organized by KW. Agentlink and Rewerse will contribute for organizing some workshops or sessions or participating this event
W3C Best Practice Meeting	4-5.11.2005	Galway, Ireland	DERI (KW), SDK		the WG provides hands-on support for developers of Semantic Web applications and works on things such as SKOS, TopicMap interoperability, and n-ary relations in RDF
The 3rd International Workshop on Regulatory Ontologies	4.11.2205	Larnaca, Cyprus	Free Univ Brussel	KW	This workshop aims at bringing together academics, researchers, professionals and industrial practitioners to discuss issues involved in modeling regulatory ontologies.
2005 AAAI Fall Symposium Series: Agents and the Semantic Web	3-6.11.2005	Arlington, Virginia, USA	AgentlinkIII	UniLiv (KW)	This workshop aims to integrate semantic web with multi agent system technology
3 rd Workshop on Regulatory Ontologies	31.10-4.11.2005	Larnaca, Cyprus	VUB (KW)	SDK, Rewerse	It aims to discuss the topics on modelling of regulatory and legal knowledge.
On the Move – OTM2005 – to meaningful Internet Systems and Ubiquitous Computing	31.10-4.11.2005	Agia Napa, Cyprus		VUB (KW) SEKT, SDK	This is a federated event aiming to provide an opportunity for researchers and practitioners to understand the recent developments in ubiquitous computing.
International Conference on ontologies, databases and applications of semantics (ODBASE2005)	31.10-4.11.2005	Agia Napa, Cyprus	VUB (KW), RMIT University, Australia	KW, SDK, SWSI	It is about the distributed and ubiquity aspects of modern computing systems.
International Workshop on Modeling Inter-Organizational Systems	31.10-1.11.2005	Agia Napa, Cyprus	University of Augsburg, Germany	KW members are in PCs (DERI, EPFL)	The objective of this workshop is to gather researchers working on topics concerning cross-enterprise collaboration and concerning the interoperability of information systems, covering issues like business process modeling, information systems modeling, enterprise and system ontology, enterprise and system architecture, and standards regarding the integration of business processes and application systems.
2 nd PhD student symposium in conjunction with OnTheMove	30-31.10.2005	Agia Napa, Cyprus	University of Augsburg, Germany	FUB (KW)	Free University of Berlin from KW is one of the event organizers
Sixth International Workshop on Advanced Parallel Processing Technologies (APPT2005)	27-28.10.2005	Hong Kong, China	National Lab for Parallel and Distributed Processing, China	L3S (KW)	APPT is the biennial international workshop on parallel and distributed processing.
I3E'2005 5th IFIP Conference on e-Commerce, e-Business, and e-Government	26-28.10.2005	Poznan, POLAND	Poznan U. of Economics, Poland	KW members are in PCs	The I3E'2005 Conference provides a forum for users, engineers, and scientists in academia, industry, and government to present their latest findings in e-commerce, e-business, or e-government applications and the underlying technology to support those applications.
Agent Technology Conference	18.10.2005	Stockholm, Sweden	AgentlinkIII	SDK, UniLiv (KW)	This event is aimed at commercial organization interested in

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					exploiting agent technologies to benefit their business
The 8th ACM International Symposium on Modeling, Analysis and Simulation of Wireless and Mobile Systems (ACM MSWiM 2005)	10-13.10.2005	Montreal, Qc. Canada	University of Glasgow UK	KW members are in PCs	It is intended to provide an international forum for the discussion and presentation of original ideas, recent results and achievements by researchers, students, M&S and systems developers on issues and challenges related to mobile and wireless systems.
DS-RT 2005 9th IEEE International Symposium on Distributed Simulation and Real Time Applications	10-12.10.2005	Montreal, Canada	University of Ottawa, Canada	KW members are in PCs	This is an excellent opportunity to participate in covering a wide range of simulation research. DS-RT 2005 targets the growing overlap between large distributed simulations and real time applications, such as collaborative virtual environments.
Interoperability Working Days	10-11.10.2005	Madrid, Spain	KW		This activity is supported by KW. The Interoperability Working Days is a meeting where the different organisations participate in the Benchmarking the Interoperability of Ontology Development Tools. This activity will be able to discuss the results obtained in the first evaluation phase of the benchmarking and to present the current status of the second evaluation phase.
Semantic Web Days	6-7.10.2005	Munich, Germany	Rewerse, KW	SDK	It is key industrial event of this year organized jointly by Rewerse and KW. For more details, please see section 1.
NETTAB 2005 Workflows management: new abilities for the biological information overflow	5-7.10.2005	Naples, Italy	University of Naples, Naples, Italy	KW members are in PCs.	Biological information is made available to researchers through web sites. Access to this huge amount of information requires complex searching and retrieval software. They can be developed to perform this integration activity, provided that they are taught: the semantics of the information, how to link data and how to pipe retrieval and analysis steps. Its main goal is the implementation of data analysis processes in standardized environments.
European Web Mining Forum (EWMF 2005)	3.10.2005	Porto, Portugal	Humboldt University Berlin, Germany	SEKT +KW members are one of the organizers	The workshop continues a series of workshops on Semantic Web Mining which have been held at the ECML/PKDD data mining conferences in 2000-2003 and on Ontologies in P2P communities at ESWC 2005.
Ontology Alignment Evaluation Initiative 2005 Campaign	2.10.2005	Banff, Canada	University of Karlsruhe, Germany	KW members are organizers and PCs	The goal of the ontology alignment initiative is to provide ground to discuss alignment and matching algorithms and system performances and to help as much as possible their improvements.
Ontology Management: Searching, Selection, Ranking, and Segmentation K-Cap 2005 Workshop	2.10.2005	Banff, Canada	University of Southampton, UK	KW members are organizers and PCs	This workshop intends to bring together researchers and practitioners from a wide area of research, such as semantic web, knowledge management,

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					information retrieval, to discuss the issues above and exchange knowledge and experience.
Third International Conference on Knowledge Capture	2-5.10.2005	Banff, Canada	Free University Amsterdam, NL	KW members are organizers +PCs	K-CAP 2005 provides a forum in which to bring together disparate research communities whose members are interested in efficiently capturing knowledge from a variety of sources and in creating representations that can be useful for reasoning.
Ontology Management: Searching, Selection, Ranking and Segmentation – Kcap2005 Workshop	2.10.2005	Banff, Canada	Univ. of Southampton, UK, Univ. of Sheffield (KW)	SDK	It aims to bring communities of SW, Knowledge Management, information retrieval together for discussion and exchange of knowledge.
2 nd EuroNGI Summer School: Architectures and Services for the Next Generational Internet	26-20.09.2005	Linz, Austria	EuroNGI (Next Generation Internet) (NoE)	KW	KW will contribute for participation. The goal of this event is to promote joint research of young scientists in the field of wireless network technologies.
ECCB2005: Workshop in biomedical ontologies and text processing	25.09.2005	Madrid, Spain	Bioinformatics National Institute (INB)	Univ. of Manchester (KW), Univ. of Sheffield (KW)	Bioinformatics is an important application area of applied Semantic Web technology.
BIT Seminar: Information Integration	21.9.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
BIT Seminar: Contextual modeling	20.9.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
Workshop on Contract Architectures and Languages (CoALA2005)	20.09.2005	Enschede, NL	DSTC, Australia	KW members are in PCs	The aim is to continue providing an opportunity for exchange of ideas about the enterprise contracts, their role in enterprise systems and new solutions to these important enterprise problems.
First EDOC International workshop on Vocabularies, Ontologies and Rules for the Enterprise (VORTE 2005)	20.09.2005	Enschede, NL	Brandenburg University of Technology at Cottbus (Germany)	Rewerse, KW,	VORTE is the first workshop trying to bring together researchers from semantic web, enterprise modelling, information system, model-driven architecture and business rules areas for the development of conceptual tools for enterprise computing
International EDOC Workshop on VOCABULARIES, ONTOLOGIES AND RULES FOR THE ENTERPRISE (VORTE 2005)	19-23.9.2005	Enschede, The Netherlands	Brandenburg University of Technology at Cottbus (Germany)	KW members are in PCs	It aims to bring together researchers and practitioners in areas such as philosophical ontology, enterprise modeling, information systems, semantic web, MDA (Model-Driven Architecture) and business rules to discuss the role of foundational and lightweight ontologies in the development of conceptual tools for enterprise computing.
CEEMAS2005: 4 th International central and eastern European conference on multi-agent systems	15-17.09.2005	Budapest, Hungary	AgentlinkIII	UniLiv (KW)	KW and Agentlink give the joint tutorial on Agents and the Semantic Web
Font2005 – Foundational Aspects of Ontologies – Workshop at the 28 th German Conference on Artificial Intelligence (KI2005)	11.09.2005	Koblenz, Germany	AIFB (KW, SEKT)	SDK	SDK are contributing as workshop organizers or PC or participants.
1 st International workshop on web service choreography and orchestration for business process	05.09.2005	Nancy, France	DERI (DIP)	KW, SDK	It aims to address research around methods, concepts, models, language and technologies for choreography and orchestration of

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management (Workshop at BPM2005)					web services for business process management
IASW2005: 1 st International IFIP/WG12.5 Working Conference on Industrial Applications of Semantic Web	25-28.08.2005	Jyvaskyla, Finland	University of Jyvaskyla, Finland	UniLiv (KW)	This conference aims to focus on discussion on industrial applications of Semantic Web. KW will give invited speech and participating in program committee.
NWeSP-2005: International Conference "Next Generation Web Services Practices"	23-27.8.2005	Seoul, Korea	Chung Ang University, Korea	KW members are in PCs.	It is a forum which brings together researchers and practitioners specializing on different aspects of Web based information systems. The inaugural conference will bring together the world's most respected authorities on semantic web, Web based services, Web applications, Web enhanced business information systems, e-education specialists, Information security, and other Web related technologies. The aim of WeSP'06 is to serve as a forum to present current and future work as well as to exchange research ideas in this field.
EuroLAN Summer School The multilingual web: Resources, technologies, and prospects	25.7-6.8.2005	Cluj-Napoca, Romania	Babes-Bolyai University, Romania	KW is participating for the organization and invited talks	Continuing the tradition of former EUROLAN Summer Schools, this year discusses on one of the hottest topics of our developing global society: accommodation of multiple cultures and languages. The issues on focus will regard technologies and resources currently under development to support multi-lingual language processing, as well as the applications that exploit them to enable multi-lingual access to information disseminated via the web.
Rewerse Summer School 2005 – Reasoning Web 2005	25-29.07.2005	Malta, Malta	Univ. of Malta (Rewerse)	KW, AgentlinkIII	KW and AgentlinkIII are contributing for tutorials or invited talks.
BIT Seminar: On the semantics of anonymous identity and reification	21.7.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
EASSS2005: The seventh agent systems summer school	17-22.07.2005	Utrecht, NL	AgentlinkIII	UniLiv (KW)	Joint summer school between AgentlinkIII and KW
13th International Conference on Conceptual Structures: Common Semantics for Sharing Knowledge	17-22.07.2005	Kassel, Germany	University of Kassel, Germany	KW members are invited speakers or organizers or in PCs	The conference will focus on the use of conceptual structures in formalizing and processing semantical content of ontologies, in particular in relation with the semantic web technologies.
Second International Workshop on Peer-to-Peer Management (P2PKM2005)	17.07.2005	San Diego, USA	Univ. of Edinburgh, Univ. of Trento (KW)	SDK	This workshop aims to serve as a forum for people laying interest in P2P, KM, SW, database, pervasive computing, agents and other related fields.
KW Summer School 2005 – 3 rd Summer School on Ontological Eng. And the Semantic Web	10-16.07.2005	Madrid, Spain	KW	AgentlinkIII, Rewerse	It is the 3 rd summer school on ontoweb and the second summer school of KW. AgentlinkIII and Rewerse are contributing to tutorials or invited talks.
2005 IEEE International Conference on Web Services	12-15.07.2005	Florida, USA	IBM T. J. Watson	KW members are in PCs	ICWS is a forum for researchers and industry

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(ICWS 2005)			Research Center, USA	(Frank Leymann)	practitioners to exchange information regarding advancements in the state of the art and practice of Web Services, as well as to identify the emerging research topics and define the future of Web Services computing.
Second International Workshop on Semantic and Dynamic Web Process (SDWP2005)	12-15.07.2005	Florida, USA	Univ. of Madeira, Portugal	KW	It aims to bring people from different communities to explore the phases of semantic web process
SEKT Summer School 2005	27.06-05.07.2005	Liubliana, Slovenia	SEKT	SDK, KW, Pascal (NoE)	KW is contributing via SDK cluster for some tutorials or lectures.
AAAI 2005 Workshop on Contexts and Ontologies: Theory, Practice and Applications (C&O2005)	9-10.07.2005	Pennsylvania, USA	INRIA (KW), FT(KW), VU (KW)	Stanford Univ., Univ. of Trento (KW), SDK	KW is organizing this event. It aims to bring together people from the context and ontology communities to discuss the approaches for information integration.
BIT Seminar: Is development: Method -inAction	4.7.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
14th Global Grid Forum (GGF14) Meeting	26-29.6.2005	Chicago, IL, USA	GGF	AgentLink, KW	The primary focus of GGF14 will be the Working and Research Group sessions. Groups will focus on the continued development of shared approaches, grid specifications and best practices for grids.
EU IST Workshop on Cooperating Objects	23-24.6.2005	Brussels, Belgium	EU	KW and Agentlink participate	The objectives of the Workshop on Cooperating Objects is to facilitate interaction among participants and to discuss with Commission officials in order to help participants in the preparation of proposals to be submitted to the area of Networked Embedded Systems in response to the 5th Call for proposals of the IST Priority of the 6th Framework Programme
BIT Seminar: To give or not to give: Just how safe is your data?	22.6.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
BIT Seminar: Towards a unified framework for the study of web services composition	21.6.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
BIT seminar: The next step in data management: Probabilistic data	20.6.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
Thirteenth Italian Symposium on ADVANCED DATABASE SYSTEMS "Sistemi Evoluti per Basi di Dati" (SEBD-2005)	19-22.6.2005	Brixen-Bressanone, Italy	BIT	KW members are organizers and PCs.	The symposium is thought as a gathering forum to meet, discuss and exchange experiences among all those, both in the academy and industry, who are interested in database systems and in all their broad range of applications.
BIT Seminar: Biological data set management: an introduction	19.6.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
BIT Seminar: From semantic data models to the semantic web	19.6.2005	Free Uni of Bozen, Italy	BIT	DERI	KW is contributing for organizing BIT events.
Open INTEROP Workshop On "Enterprise Modelling and Ontologies for interoperability" EMOI - INTEROP 2005	13-14.6.2005	Porto, Portugal	Interop	KW members are organizers and in PCs.	This is the Second Open INTEROP Workshop on Enterprise Modeling and Ontologies for Interoperability. EMOI 2005,

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					promoted and supported by INTEROP, a Network of Excellence of the 6th Framework Program of the European Community. INTEROP aims at creating a Europe-wide research network on the themes supporting solutions for enterprise interoperability, from technological, to methodological, organizational, and cultural perspectives.
W3C Workshop on frameworks for semantics in web services	9-10.06.2005	Innsbruck, Austria	DERI (DIP, KW)	W3C, KW, SDK	This is the key event jointly organized by W3C and SDK. It aims to establish a generic extensible framework based on Semantic Web technologies for web services.
Formal ontologies meet industry	9-10.06.2005	Verona, Italy	Univ of Verona	KW	KW Is contributing by participating. This workshop aims at discussion on industrial application of semantic web.
2 nd WSMO Implementation Workshop (WIW) 2005	6-7.06.2005	Innsbruck, Austria	DERI (DIP, KW)	SDK, UIBK(KW)	It aims at the presentation and discussion of different implementation efforts related to WSMO
2 nd European Semantic Web Conference (ESWC2005)	29.05-01.06.2005	Crete, Greece	SDK	KW, Rewerse, AgentlinkIII	This is one of the key events organized by KW yearly. Agentlink and Rewerse contribute some workshops. Other NoEs confirmed the participation.

4. Discussion

This report gives details of the education and training activities by KW with cross related NoEs and other related initiatives during the period of June till December 2005. From the June 2005 till end of 2005, KW and other NoEs has organized, participated and planned 44 international conferences, 53 international workshops, 6 summer schools, and 9 invited talks, lectures and seminars.

In 2006, KW will actively participate in Standardization issues like the followings:

- Semantics for Web Services Characterization Group at w3c
<http://www.w3.org/2005/10/sws-charac-charter.html>
- Semantic Annotations for WSDL Working Group at w3c
<http://www.w3.org/2005/10/sa-ws-charter.html>
- Rule Interchange Format Working Group at w3c
<http://www.w3.org/2005/rules/wg.html>
- OASIS TC SEE at OASIS
<http://www.oasis-open.org/committees/semantic-ex/faq.php>

We will keep on organizing and jointly organizing related events such as conferences, workshops, education and training event, etc.

