



STI · INNSBRUCK

STI2 Education Area

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for W3C SemWeb Education&Outreach IG

Jan 23, 2008

- STI2 – basic information
- Motivation for education service
- Target communities
- Infrastructure and resources
- Current activities

- Semantic Technology Institute International
- Collaborative association of interested parties
 - Scientific, industrial and governmental
- Initiative of ESSI, KWeb, DERI Int'l
 - European Semantic Systems Initiative (ESSI)
 - European FP6 Project Knowledge Web
 - DERI International
- Activities organized as “*services*”
 - STI2 is the legal and operational framework
 - Provides administrative and managerial support

- Research
 - Roadmaps
- Technology
 - Standardization and Reference Architecture
 - Testbeds and Challenges
- Realization
 - Commercialization
 - **Education**
- Core Services
 - Cross-Projects and Members Working Groups
 - Dissemination
 - Coordination & Auxiliary Services

- Semantic technology gaining momentum
 - Both in public and corporate setting
 - Need for trained young professionals
- Aim: sustainability
 - Align existing academic education activities
 - Build a solid industry training program
 - Foster an interdisciplinary and int'l community
- STI2 is an ideal environment
 - Wide range of members

1. PhD, MSc students

- With partial applicability to Bc. students

2. Professionals

- Software engineers
- Software architects
- Technical managers
- Ontology developers, content managers
- Project & business development managers, CIOs

Target: PhD students

- Exchange programs between member institutions
- Summer schools
- Joint PhD schools, symposia, supervision
- Internship programs

Target: MSc students

- European Shared Master on Semantic Web
 - <http://www.semantic-web-academy.eu/>
 - Starts WS2008/2009
- Participating universities
 - Universität Innsbruck
 - Free University of Bozen-Bolzano
 - Vrije Universiteit Amsterdam
 - Università di Trento
 - Universidad Politécnica de Madrid
 - Universidade Nova de Lisboa
- STI2 in charge of administrative aspects

Target: professionals

- Tutorials for members' technologies
 - For technology transfer
- Potentially: regular public courses or on-site training
- Certification programs
 - In cooperation with Austrian Computer Foundation

- Training materials
 - Partly reused and partly new
 - Covering core aspects of SemWeb and SWS
- Training repository
 - Tutorial setting limited, professionals are proactive
 - Online materials based on EASE, REASE
 - European Association for Semantic Web Education
 - Originally KnowledgeWeb, to become cross-project
 - Currently ca 170 pieces of training material
 - <http://ease.semanticweb.org>
- Experts database
 - Aid for event organizers to find the right experts

- ESWC PhD symposium
- Joint PhD seminars
- Shared Master on SemWeb
- Working on a price model for training
- Accepted FP7 Support Action “Service Web 3.0”
 - Production of training materials
 - Events, e.g. ESWC, ESTC, ASWC plus adjuncts
- Many ongoing discussions with partners
- Contact with SWEO, hope for collaboration
 - Esp. on joint events