STI2 Education Area

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Overview

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

• 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
Main STI2 services

• 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
Motivation for Education area

• 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
Target communities

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
Planned infrastructure

- **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
Current activities

- 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