

KNOWLEDGEWEB RESEARCH BRIEFINGS

Introduction

KnowledgeWeb was an EU Framework 6 Network of Excellence. The network consisted of a core group of 19 funded partners, along with 15 additional non-funded partners. The network ran from January 2004 until December 2007.

The key goal of KnowledgeWeb was to support the transition of Ontology technology from Academia to Industry in a bid to strengthen European industry and service providers in one of the most important areas of current computer technology: Semantic Web enabled E-work and E-commerce.

Knowledge Web devoted efforts to the following main areas

1/ **Outreach to Industry.** Promoting greater awareness and faster take-up of Semantic Web technology within Europe and helping to reduce time needed to transfer the technology to industry and to market.

2/ **Outreach to Education.** The establishment of a European Association for Semantic Web Education (EASE), to act as a focus for educational activities on Semantic Web.

3/ **Co-ordination of Research.** Co-ordinate leading research groups to avoid both duplication and fragmentation. Such coordination is particularly important for the Semantic Web: since it is an inter-disciplinary area, joint collaborations among and across various research communities is necessary.

Organisation

Workpackages covered particular themes of interest and co-ordinated research across the partners. This was done through a combination of email, telecons, virtual meetings and bilateral exchanges.

In addition, the Network held twice yearly *Plenary Sessions* at which members of the network came together to discuss issues and also promote cross-workpackage and

cross-area collaboration.

Results

This collection of *research briefing notes* provide short summaries of the research areas addressed by the network along with some key results. They do not supply detailed accounts of the work, but rather supply pointers to additional materials, deliverables and publications produced during the course of KnowledgeWeb. Detailed results are available at the web site.

The briefings cover the following areas addressed by the network

- Ontology Language Extensions
- Ontology Lifecycle
- Matching and Alignment
- Semantic Web Services
- Scalability and Performance

Contact

For more information about the results presented here or the KnowledgeWeb Network of Excellence, please see the project web site

<http://knowledgeweb.semanticweb.org>

or contact the Network Manager.

Alice Carpentier
DERI, University of Innsbruck
Technikerstraße 13
Innsbruck 6020
AUSTRIA
alice.carpentier@deri.org

KnowledgeWeb was an EU-IST Framework 6 Network of Excellence.

KnowledgeWeb Consortium: Centre for Research and Technology Hellas, GR; France Telecom, FR; Free University of Bozen-Bolzano, DE; Freie Universität Berlin, DE; Institut National de Recherche en Informatique et en Automatique, FR; L3S Research Center, DE National University of Ireland Galway, IR; The Open University, UK; Universidad Politécnica de Madrid, ES; University of Innsbruck; AT University of Karlsruhe, DE; University of Liverpool, UK; University of Manchester, UK; University of Sheffield, UK; University of Trento, IT; Vrije Universiteit, NL; Vrije Universiteit Brussel, BE; École Polytechnique Fédérale de Lausanne, CH