

Semantic Web Education Activities and Potential Contributions

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Knowledge Engineering and Machine Learning Group
UNIVERSITAT POLITÈCNICA DE CATALUNYA

<http://www.lsi.upc.edu/~webia/KEMLG>

UPC Overview

- Universitat Politècnica de Catalunya :
 - One of the leading Technical Universities in Spain
 - in the top 15 in Europe in terms of Eu projects
 - Member of Cluster and Cinda
- Important areas of research:
 - Computer Architecture / Grid and Supercomputing / Telecommunications
 - Artificial Intelligence and Agent Technology.
- Knowledge Engineering and Machine Learning Group
 - Other relevant group members: Ulises Cortes Garcia, Miquel Sanchez, Luigi Ceccaroni, Javier Vazquez
 - Focus on: distributed systems, distributed AI, semantic communication
 - Application areas: e-Business, tourism & cultural heritage, healthcare and environmental management.

Related Projects

Agentcities

ASPIC

openNet

Agentlink

ENGAGE

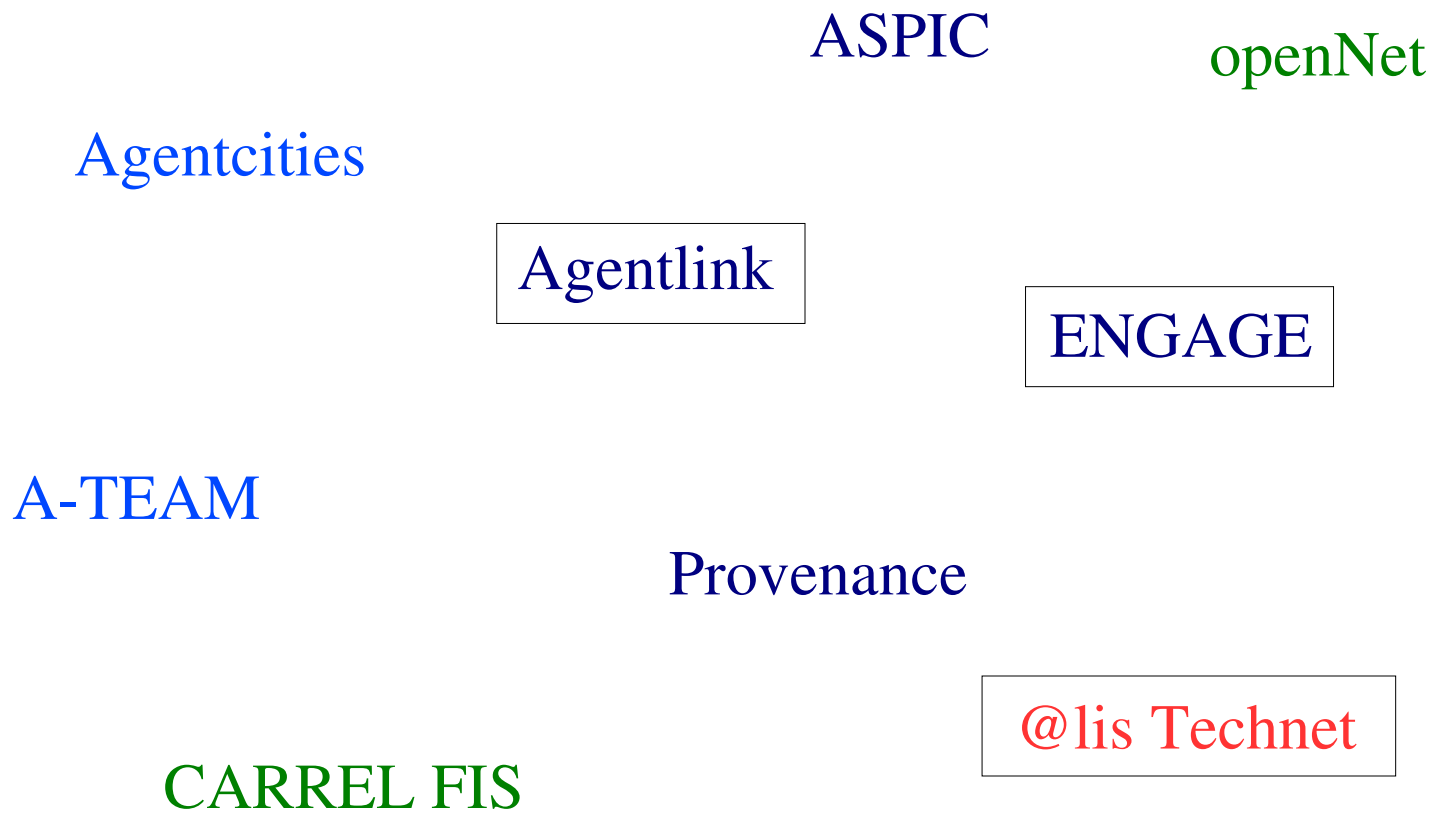
A-TEAM

Provenance

CARREL FIS

@lis Technet

Related Projects



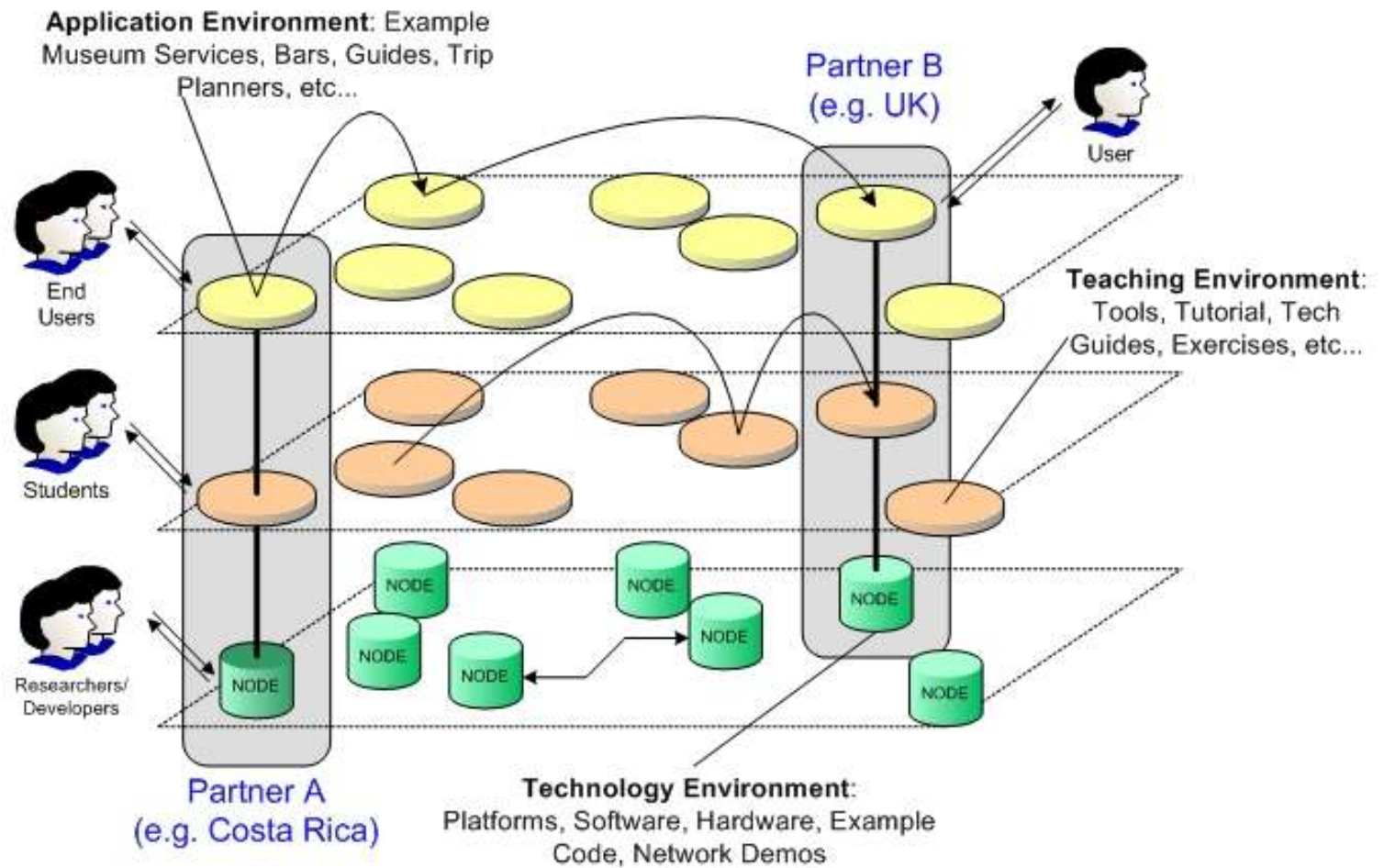
Most relevant work areas / projects

- Agentlink III
 - *Curriculum Clearing House [Coordination with U Liverpool and U Southampton]*
- @lis technet
 - EuropeAid project for Latin America
 - Hands on teaching for Agent, Web Services, Semantic Web technologies
 - Course materials in each of the three areas
 - Online testbed and content delivery
 - Programming / Design exercises
 - Joint courses between Universities
- ALIS and ENGAGE Diffusion
 - Latin America & South East Asia
 - Encouraging re-use / take up of EU produced educational materials

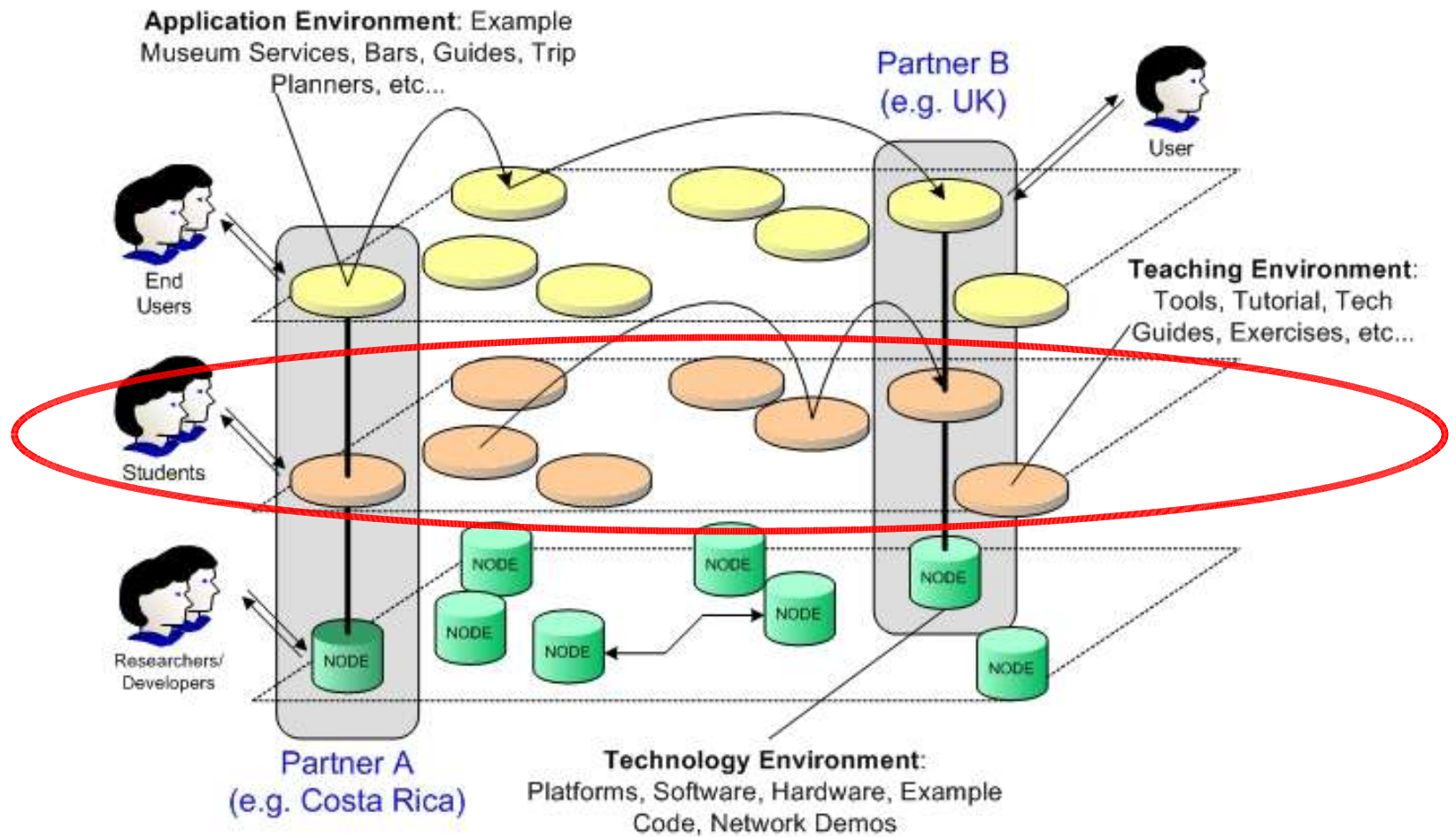
Course Content

- Each line:
 - 1 week course [5 x 4 hours of theory, 4 x 4 hours of practical class exercises]
 - 1 semester course [14-16 x 4 hours of theory, 10 weeks of practical exercises]
- Lines:
 - Agent technology for open systems [available & trialled]
 - Semantic Web [September '05]
 - Introduction to the technology, tools, ontology design, collaborative ontology design, reasoning, applications
 - Web Services [September '05]
- License:
 - Creative Commons [Share and Share alike] licenses
 - English, Spanish and potentially Italian [2006]

Three layer approach / ALIS



Three layer approach / ALIS



Objectives / Tasks

- Create Meeting:
 - Get up to speed on the KnowledgeWeb education activities
 - Assess what we can do that's useful
- To Follow up:
 - preparation of content to go into the archive
 - look at opportunities for promotion of KnowledgeWeb resources beyond Europe.
- ++ Agentlink:
 - Discussion on what's already been done to liaise and what can still be done.

Thanks and Contact Information

- Looking forward to working within and contributing to KnowledgeWeb!
 - To the essence of the work done.
 - By transfer to other activities we're involved in.
- Primary contact:
 - Steven Willmott
 - steve@lsi.upc.edu
- Other contacts:
 - Other relevant group members: Ulises Cortes Garcia, Miquel Sanchez, Luigi Ceccaroni, Javier Vazquez

Links

- Projects:
 - <http://www.agentcities.org/>
 - <http://x-opennet.org/>
 - <http://www.agentlink.org/>
 - <http://www.alis-technet.org/>
 - <http://www.argumentation.org/>
 - http://www.gridprovenance.org
- UPC
 - <http://www.upc.edu> / <http://www.upc.es/>