

Knowledge Web

realizing the semantic web

Knowledge Web (KW) is a 4 year Network of Excellence project funded by the European Commission 6th Framework Programme. Knowledge Web began on January 1, 2004. Supporting the transition process of Ontology technology from Academia to Industry is the main and major goal of Knowledge Web.

knowledgeweb.semanticweb.org

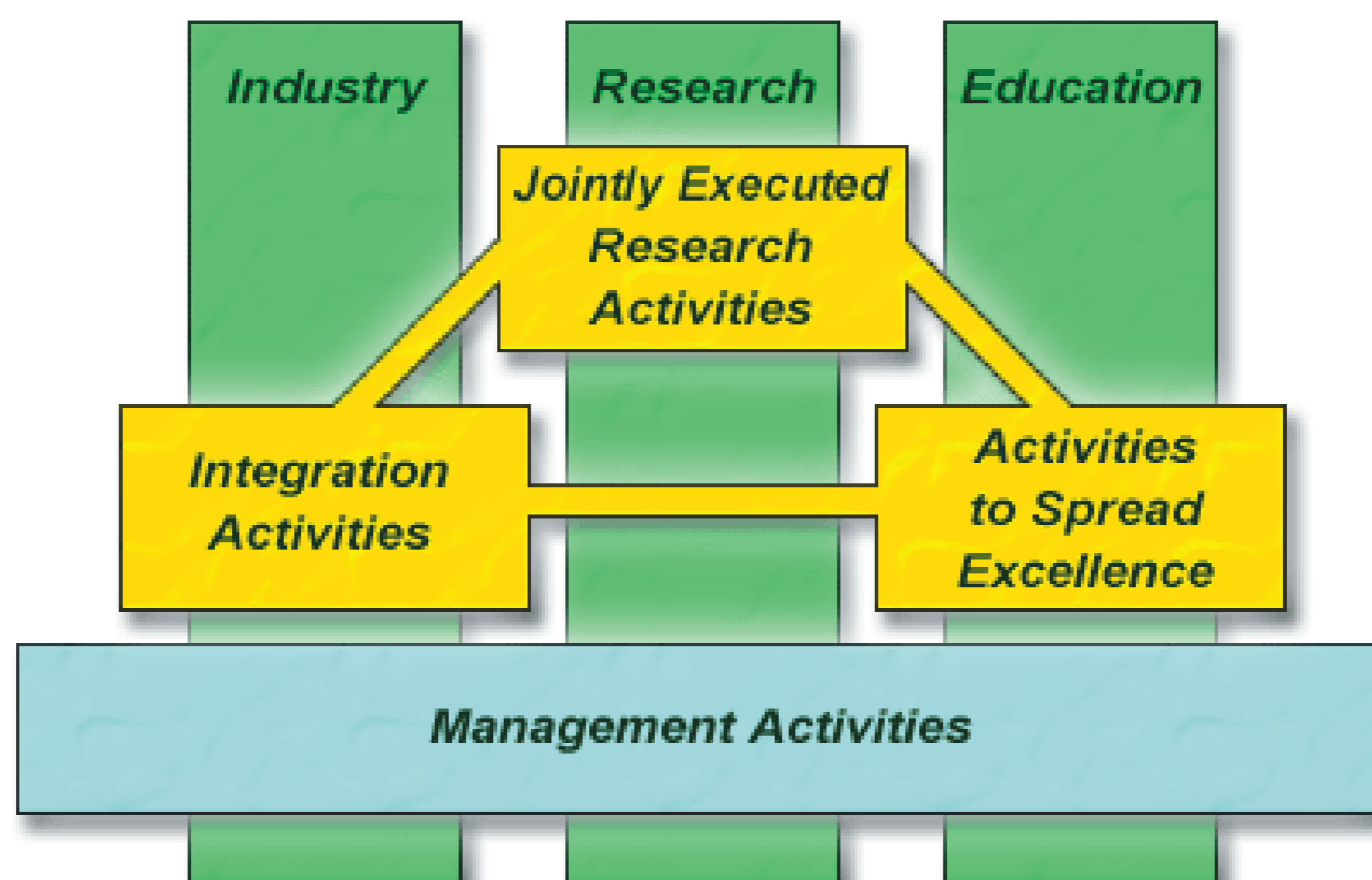
Mission

The mission of Knowledge Web is to strengthen the European industry and service providers in one of the most important areas of current computer technology: Semantic Web enabled E-work and E-commerce. The project concentrates its efforts around the outreach of this technology to industry. Naturally, this includes education and research efforts to ensure the durability of impact and support of industry. Therefore, Knowledge Web devotes its efforts to industry, education and research.

Knowledge Web can be explained by the figure below. The three green columns represent the three main areas of the Knowledge web activities: Industry, Research and Education.

The integration activities devote their efforts to accelerate the transfer of ontology technologies to industry. The jointly executed research activities guarantee the coordination of the research being carried by leading institutions in the Semantic Web field. Excellence is spread through a network of joint educational activities.

Outreach to Industry. The outreach to industry area aims to promote greater awareness and faster take-up of Semantic Web technology within Europe in full synergy with the research activity. This outreach will help to reduce time needed to transfer the technology to industry and, therefore, to market.



Outreach to Education. The outreach to education area aims to work towards the establishment of a European Association for Semantic Web Education (EASE), which will act as the principal focus for educational activities on Semantic Web.

Coordination of Research. This area aims to ensure that the research as performed will be sufficiently coordinated to avoid both duplication and fragmentation. Such coordination is fundamental for joint collaborations among and across various research communities. The five main research lines include:

- Scalability
- Heterogeneity
- Dynamics
- Semantic Web Services
- Language Extensions

The Knowledge Web consortium is coordinated by the University of Innsbruck, Austria, one of the locations of the recently created Digital Enterprise Research Institute (DERI). KW consists of 18 leading partners in Semantic Web, Multimedia, Human Language Technology, Workflow and Agents. Knowledge Web is a member of the SDK project cluster, which seeks to strengthen European research and industry in Semantic Web technologies.

