Semantics Utilised for Process Management within and between Enterprises

http://ip-super.org/

Project SUPER answers the two most urgent issues emerging from BPM

- shift in control of processes from IT professionals to business natives,
- carrying up business process management to a new complexity level.

Gains from project SUPER

- further automation of the business process life cycle,
- adding a layer designed for business professionals to handle the BPM on their own,
- demonstration of successful deployment both of SWS and SBPM in industrial-strength applications applied repetitively in the field of telecommunications.

Scientific objectives

- construction and assessment of technological framework for SBPM,
- acquiring new generic languages suited for representation of processes, different process models and goal description with all aspects of system behavior (eg. costs, dependencies, data flows, time constraints, other limitations),
- creation of automated annotation techniques of already existing BPs, their fragments, IT components etc,
- development of process query tools, adjustment existing reasoners to the specific needs of **SUPER**,
- elaboration of industrial-strength mediation procedures for automated coupling between business and IT perspectives,
- augmentation of SWS foundations on the basis of new experiences obtained from their deployment to large-scale test environments.

Technical objectives

- building horizontal ontologies in aim to annotate both complete BPs and their fragments,
- assembling vertical ontologies for the chosen implementation domain,
- complete inventory of tools supporting every stage of SBPM.

Project Partners:

SAP, IBM, NEXCOM, IBIS, IDS SCHEER, &tp, The Open University, CEFRIEL FORGING INNOVATION POLITECNICO DI MILANO, MIP POLITECNICO DI MILANO SCHOOL OF MANAGEMENT, etel CONNECTING BUSINESS, AKADEMIA EKONOMICZNA W POZNANIU 1926, National University of Ireland, Galway Ollscoil na hÉireann, Gaillimh, Ontotext A Semantic Technology Lab, Telefonica Telefónica Investigación y Desarrollo, Universität Stuttgart Germany, iSOCO, LAAS, universität innsbruck

bring back business process management to **business professionals**