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More information:
http://ip-super.org/

General Information

Semantics Utilised for Process management within and between EnteRprises

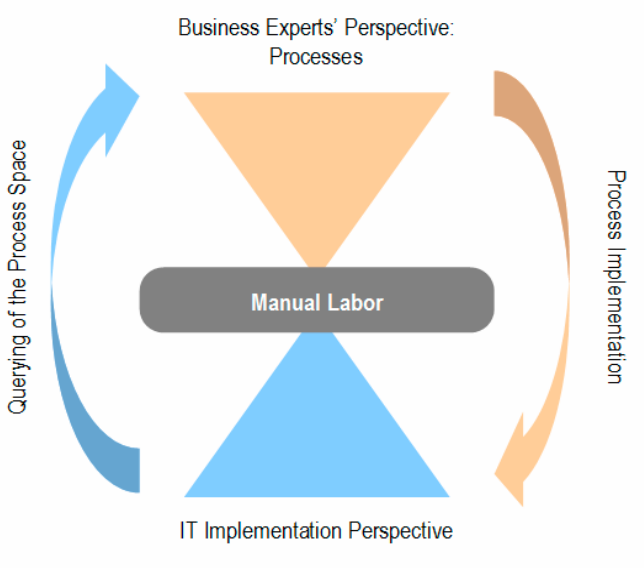
Information Society and Media

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bring back business process management to business professionals

Motivation

Business Process Management (BPM) emerged as a domain in the research and business community, to address areas where the old Business Process Reengineering paradigm failed. BPM focuses on managing the execution of IT-supported business operations from a business expert's process view rather than from a technical perspective.



The underlying motivation for BPM is that organizations need to continuously align their running business processes, as executed within multiple heterogeneous systems, with the required processes as derived from business needs.

SUPER goal

SUPER aims to create the **technological framework** for BPM, enriched with machine readable semantics by employing Semantic Web and Semantic Web Services. **SUPER** will demonstrate the effective deployment of SWS in realistic, large-volume applications in the **telecommunication** industry. **SUPER** Use Case Partners will benefit from the proposed solutions and will use the **SUPER** Methodology to facilitate **process re-engineering,** introduce **monitoring** and **analysis** of services, **improve the quality of service** and **troubleshooting** of their processes management.

SUPER Challenges

The project faces and aims to overcome several important challenges:

- low degree of automation in the implementation of business processes
- delays in the implementation and composition of business processes
- the lack of a clear separation between business goals and process implementation details
- the lack of process query tools
- complex and non-transparent interdependencies between processes, which cannot be captured by automated procedures and which hinder process optimization and the evaluation of the effects of process modification.

Additional challenges are related to knowledge sharing and reuse:

- business process knowledge is represented in heterogeneous information sources
- business processes evolve in time
- discrepancies within and between organizations

SUPER Consortium

A strength of **SUPER** comes from inheriting results of many EU funded projects such as ASG, SEKT, DIP, SWWS and IBROW, and from collaboration with other **ESSI Cluster** members. The partners contributing to the **SUPER** project are topnotch organizations coming both from the academia and from the industry.

