D7.1v1. Mission Statement - Web Service Modeling Ontology Project

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1. Mission Statement

It is our mission to create a Web Service Modeling Ontology (WSMO) for describing various aspects of Semantic Web Services. By exhaustively deploying WSMO, we aim to solve the integration problem. The main features of WSMO – simplicity (a solution to the integration problem that is as simple as possible), completeness (solves all aspects of the integration problem), executability (a set of execution semantics exists as well as a reference implementation) - should provide a world-wide standard, which will be developed together with industrial partners and other research groups, and will be aligned with many different research projects.

The pillars of the project will be provided by the Web Service Modeling Framework (WSMF), which serves as a conceptual basis that will be further developed in the course of the project. Moreover, we shall align with current available initiatives and standards that try to address similar problems and overcome drawbacks in existing approaches.

The case studies for showcasing the Web Service Modeling Ontology will be based on different applications areas: tourism, banking, marketplace, supply chains, etc., These case studies will be based on the requirements of different industrial partners and research groups joining this initiative. We aim to develop an ontology that can be easily used by research groups, research projects, software developers and user communities in the Semantic Web area.

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webmaster