

Press Release 1

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Contact Person:

Robert Woitsch (BOC)

Robert.Woitsch@boc-eu.com

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SEVENTH FRAMEWORK PROGRAMME FP7-ICT-2007-3



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**Intelligent Content and Semantics
Contract No.: 231430**

1 Press Release

The following classification has been selected based from the available categories¹.

1.1 Subject

Information Society Technology, Seventh Framework Programme,

1.2 Country

Austria, Italy, Greece, Switzerland, Poland, Germany

1.3 Institution

Small Company

1.4 Category

Project

1.5 Programme Acronym

FP7-Cooperation

1.6 Header

plugIT – the project that visions Business and IT alignment via the IT-Socket to “plug Business into IT” – has been kicked off on 02nd of March 2009 at BOC in Vienna.

¹ The available list can be viewed without being registered as a contributor in the search interface, <http://cordis.europa.eu/wire/index.cfm?fuseaction=article.SearchArchives>

1.7 Message Text

Today we're witnessing the necessity to align Business and Information Technology (IT) as well as a change in the role of IT from an enabler to an industrial sector in its own right. Based on the assumption that businesses in different sectors of the economy will require IT for different reasons and in different ways, the plugIT project aspires to develop an IT-Socket that will realize the vision of businesses "plugging-in" to IT.

plugIT investigates the IT-Socket on three layers, first on the application domain layer via three demonstration scenarios, second on the conceptual layer via research on modelling and semantics and third on the technological layer via implementing the Next Generation Modelling Framework.

The three demonstration scenarios deal with: (1) "Certification" of IT infrastructure to stay compliant with regulations, (2) "Virtual Organisation" by evolving the current service orientation to a higher and more business driven abstraction as well as (3) "Governance" of IT infrastructure introducing business context into highly distributed and complex systems.

The IT-Socket follows a model-driven approach by introducing graphical modelling languages as mediators between the domain experts and semantic technologies. The research challenge is to link human interpretable graphical models – partly semi-formal - with machine interpretable semantic formalisms to enable: (1) a tighter involvement of domain experts when expressing formal knowledge, (2) different graphical modelling languages for different views on the IT-Socket to provide modelling languages the domain expert is used to work with as well as (3) a domain specific notation for semantics by integrating formal concepts of semantics with the graphic notation from modelling languages.

The technical platform is developed as the Next Generation Modelling Framework that integrates different modelling tools. The service-oriented middleware is responsible for the technical integration of heterogeneous modelling tools, the semantic kernel is responsible for the conceptual integration of different modelling languages and the Web-modelling platform is responsible to provide a single user interface.

Project Partners are:

BOC Asset Management GmbH, BOC, Austria, Coordinator and technical partner

ElsagDatamat spa, ED, Italy, Technical partner

Universität Wien, Department of Knowledge and Business Engineering, DKE, Austria, Research partner

Foundation for Research and Technology-Hellas, Institute of Computer Science, FORTH, Greece, Research partner

Fachhochschule Nordwestschweiz, FHNW, Switzerland, Research partner

Consorzio Interuniversitario CINECA, CINECA, Italy, Use case partner

Innovation Technology Group, iTG, Poland, Use case partner

Universität Stuttgart, High Performance Computer Centre, HLRS, Germany, Use case partner

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