„Plug your Business into IT“

BUSINESS AND IT ALIGNMENT USING A MODEL-BASED PLUG-IN FRAMEWORK

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Agenda

• Presentation of Project Idea & Objectives
• Introduction of Dissemination and Exploitation
• Introduction of Consortium
PRESENTATION OF PROJECT
IDEA & OBJECTIVES
Business and IT Alignment using the IT-Socket
The Challenges: Business and IT-Alignment

1) “Certification”
2) “Virtual Organization”
3) “Governance”

Business Domain Knowledge

IT Domain Knowledge

Business Expert

IT Expert

Modelling

Alignment

e.g. “IT Infrastructure ADOit”
e.g. “IT Infrastructure UML”
e.g. “IT Infrastructure BPEL”
e.g. “IT Infrastructure ADONIS”
e.g. “SLA Negotiation EPC”
e.g. “SLA Negotiation BPEL”
e.g. “SLA Negotiation ADONIS”
e.g. “Event 1: Call Neg.”
e.g. “Activity 1: Negotiation”
e.g. “Action 1: Invoke Neg.”
e.g. “SLA Negotiation ADONIS”

e.g. “WF-Engine BPEL”
e.g. SW-Component WF-Engine AE
The Research Challenge 1: New Method to Externalise Knowledge

- Unstructured
  - Collection of Business Knowledge
  - Collection of IT-Knowledge

- Semi-Formalised
  - Design graphical Business Models
  - Design graphical IT Models

- Formalised
  - Graphical supported Validation of Ontologies
  - Translation and Integration into formal Ontologies
The Research Challenge 2: Meta Model and Semantic Integration
The Research Challenge 3: Domain Specific Graphical Notation

Domain Independent Graphical Representation

- Person
  - is a
  - Mr. Meier
- Laptop
  - is a
  - use
  - Computer X123

Domain Specific Graphical Representation

- Person
  - use
  - Computer X123

Concept

Samples
The Realisation:
Modelling Framework Implementation
Project Plan
INTRODUCTION OF DISSEMINATION
and EXPLOITATION
IT-Socket:
Dissemination and Exploitation

Next Generation Modelling Framework

- IT-Socket Reference and Demonstration Models
- IT-Socket Reference and Demonstration Ontologies
- Modelling Methodology
- Domain Specific Graphic Representation of Semantic
- Meta Model and Semantic Integration
- Business Modelling Services
- IT Modelling Services

Research

Demonstration

Implementation
INTRODUCTION OF CONSORTIUM
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Project Facts:
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Further Information:
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