



BPOKI – 06

I-Know Workshop, Graz

Roadmap to Akogrimo Convergence: A Sample of Process Oriented Knowledge Management with **PROMOTE**

06.09.2006

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BOC



1. **„The Idea of the Akogrimo Roadmap“**
2. The Modelling Approach
3. The Tool Support with PROMOTE[®]
4. The Usage Scenario in Akogrimo
5. The results

The Challenges of PROMOTE® to Support Akogrimo

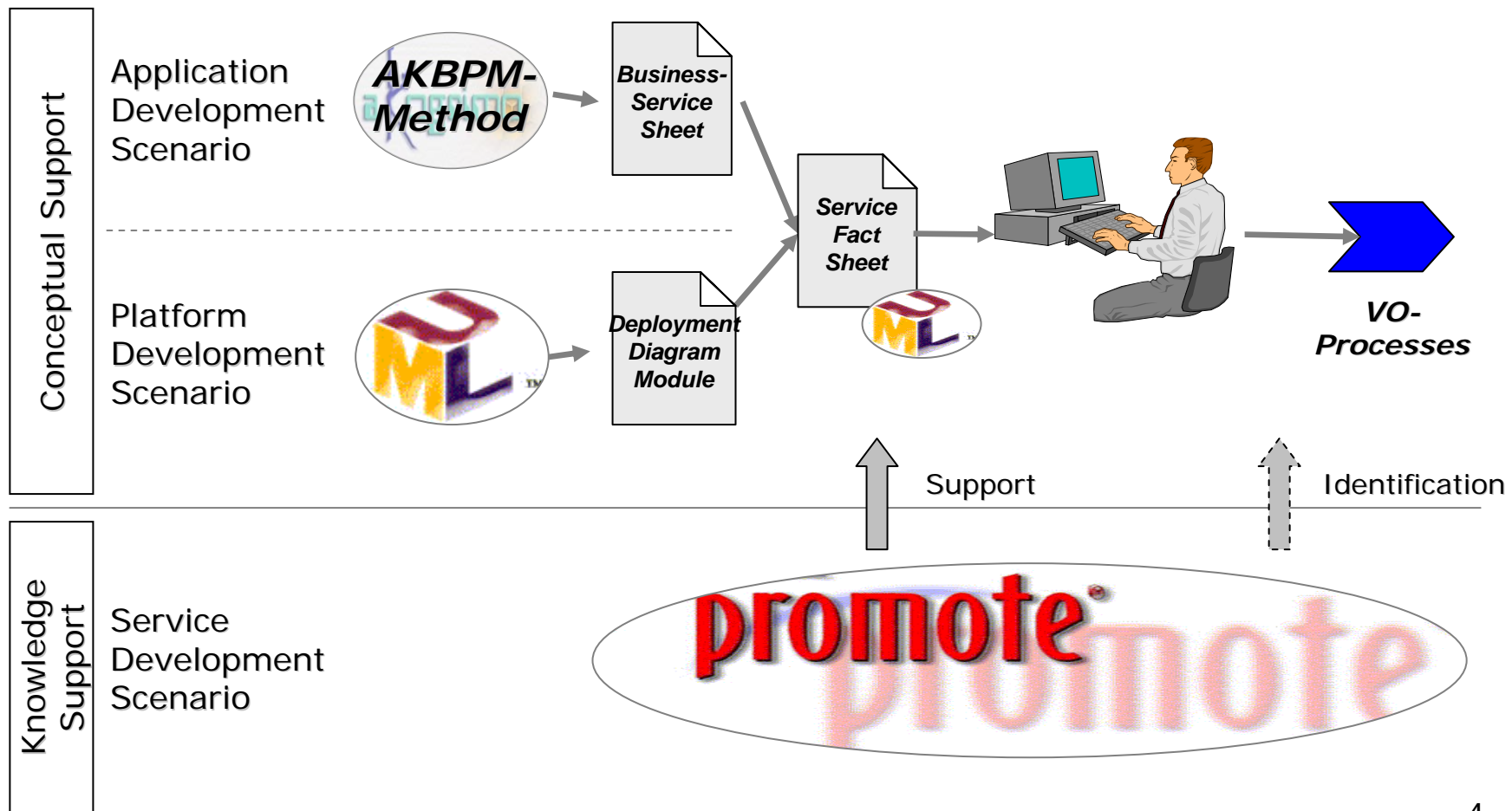
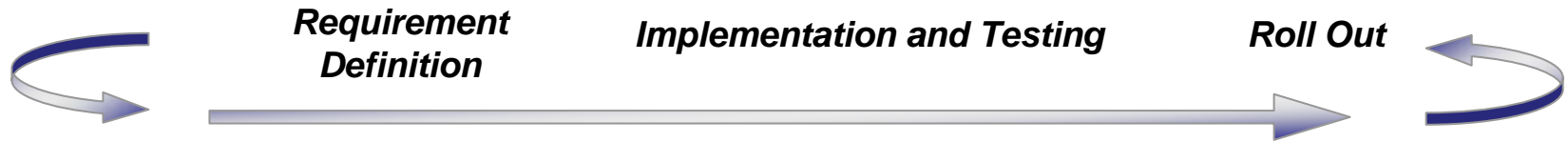
A circular inset image shows two construction workers wearing white hard hats and safety glasses, looking at a large set of blueprints. They are in a construction site with scaffolding visible in the background.

How to support application providers to build applications on top of Akogrimo?

How to support platform providers to maintain and host Akogrimo?

How to support service providers to implement services for Akogrimo?

The Akogrimo Roadmap





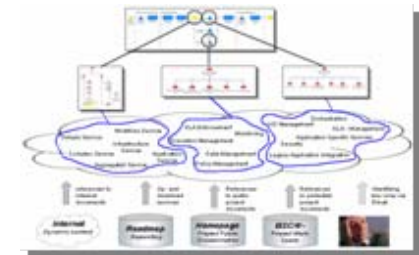
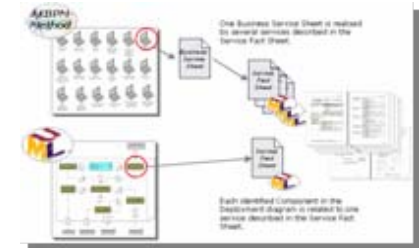
The Model Based Approach

Integrative Concept of 3 Akogrimo relevant Modelling Methods

Methodological Synchronization between „Requirement-“ and „Software Engineering“

Knowledge Management for Service Developers

A Web-based distributed Modelling environment as a knowledge repository



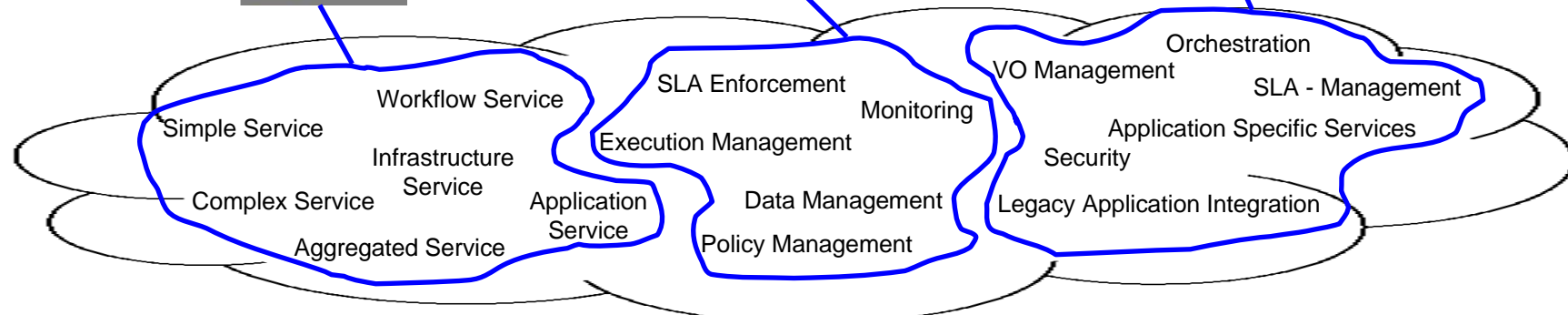
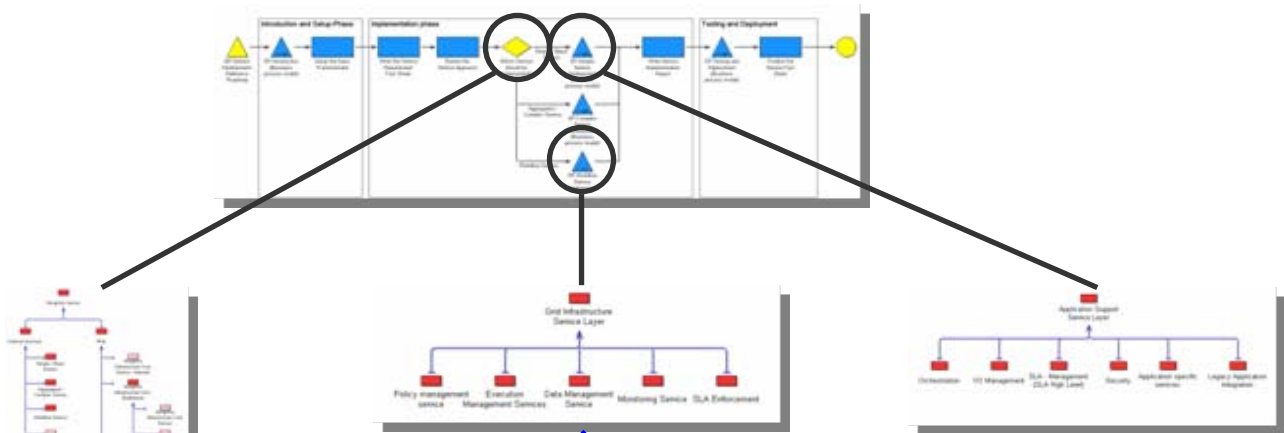


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Knowledge Management for Service Provider



promote promote



↑ references to Internet documents

↑ Up- and download services

↑ References to public project documents

↑ References to protected project documents

↑ Identifying key roles via Email.

Internet
Dynamic content

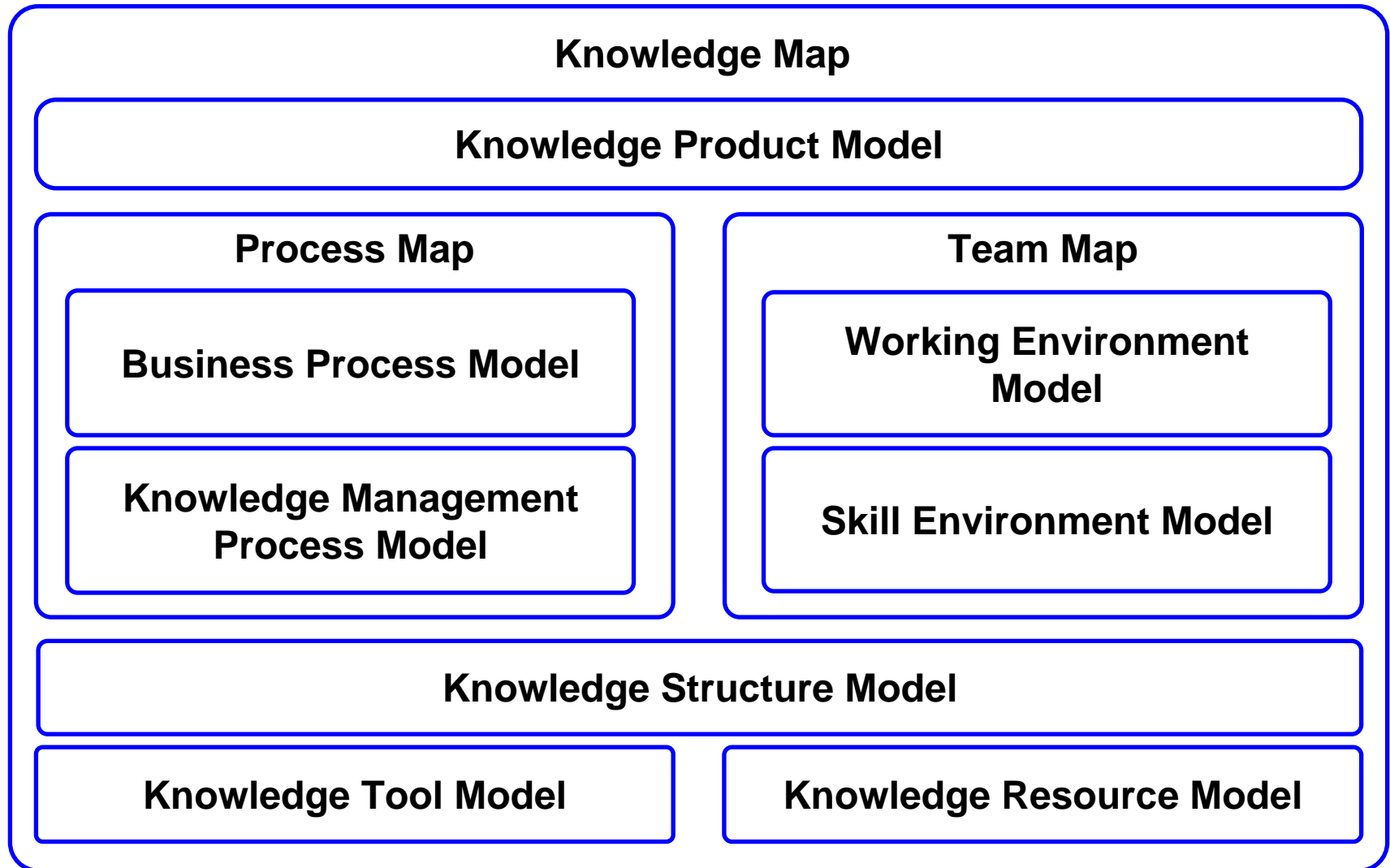
Roadmap
Repository

Homepage
Project Public Dissemination

BSCW-
Project Work Space



An Overview on the PROMOTE[®] - Meta Model



Presentation Scenario-View PROMOTE



http://83.65.190.82:8080 - Akogrimo Web Documentation - Service Development Roadmap - Microsoft Internet Explorer

80% Go

Knowledge map: The Service Development Roadmaps

The Service Development Roadmaps
D 5.4.1 Roadmap to Akogrimo Coverage
Page 72

This is the entry point into the Akogrimo Service Development Roadmap. Following the references from this model will lead you to:

- The Reference Service Development Roadmap ("0_Reference Service Development Roadmap")
- The four individual Service Development Roadmaps of the workpackage partners ("1_Partner Service Development Roadmaps")
- The Roadmap Structure models ("2_Roadmap Structure")
- The Akogrimo VO Management ("Akogrimo VO Management")

Each of the individual roadmaps has been initially modelled from scratch, so the interviewed partner was not aware of the results of the other initial workshops. This gave a very interesting insight on the different vies of service development. Some of the phases were modelled nearly identical, but other phases of the model were totally different.

Proceeding from the individual partner roadmaps the Akogrimo Service Development Reference Roadmap was aggregated.
 For more details please refer to D5.4.1 "Roadmap to Akogrimo Convergence" page 71 and following.

0_Reference Service Development Roadmap

Service Development Reference Roadmap (Business process model)

1_Partner Service Development Roadmaps

4.4/4.3_ATOS Service Development Roadmap

Starting Point ATOS (Knowledge structure model) → Service Development Roadmap ATOS (Business process model)

4.4/4.3_CCLRC Service Development Roadmap

Starting Point CCLRC (Knowledge structure model) → Service Development Roadmap CCLRC (Business process model)

4.4/4.3_CRMPA Service Development Roadmap

Starting Point CRMPA (Knowledge structure model) → Service Development Roadmap CRMPA (Business process model)

4.4/4.3_NTUA Service Development Roadmap

Starting Point NTUA (Knowledge structure model) → Service Development Roadmap NTUA (Business process model)

2_Roadmap Structure

Service Definition (Knowledge structure model)

Traditional Approaches vs. Akogrimo (Knowledge structure model)

Grid Infrastructure Service Layer (Knowledge structure model)

Application Support Service Layer (Knowledge structure model)

Technological Infrastructure (Knowledge structure model)

Akogrimo VO Management

VO-Management Process Map (Company map)

Start

E:\Akogrimo

C:\WINDOW...

Presentation...

http://83.65...

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Internet

14:53



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The Provided Support of PROMOTE®



1) Web-Modeller to design models using the methods AKBPM, UMLTM and PROMOTE®. Each of these methods can be modelled either in a stand alone version or in a Web-based version.



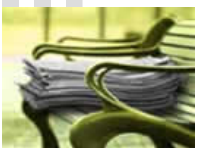
2) Web-Search to search within the models using full-text search and keyword search mechanism. The Web-Search can be used for different modelling methods.



3) Web-Documentation to publish models using the methods AKBPM, UML™ and PROMOTE®. A html representation of models with Wikis to discuss the models.



4) Web-Import / Export to transform the generated models in standard exports or imports for XMI, EPC and BPEL.



5) Web-Document Repository to document the models with additional referenced documents. A simplified document upload is provided in the Web-Documentation.



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A Live Demonstration of the Application Development Scenario



http://83.65.190.82:8080/ - Microsoft Internet Explorer


Admin Services Architecture Application Links Logout

Application Adaption Roadmap - Web Modeller




The Web Modeller provides the means to edit a model of the Application Adaption Roadmap online.

Application Adaption Roadmap - Web Documentation




The Web Documentation of the Application Adaption Roadmap provides a platform to view and edit business models, business scenarios and work flow models.

Application Adaption Roadmap - Web Import/Export Interface



The Web Import/Export Interface provides a platform to import and export business models, business scenarios and work flow models. It also provides the means to import and export EPC models.

Akogrimo Web Document Repository



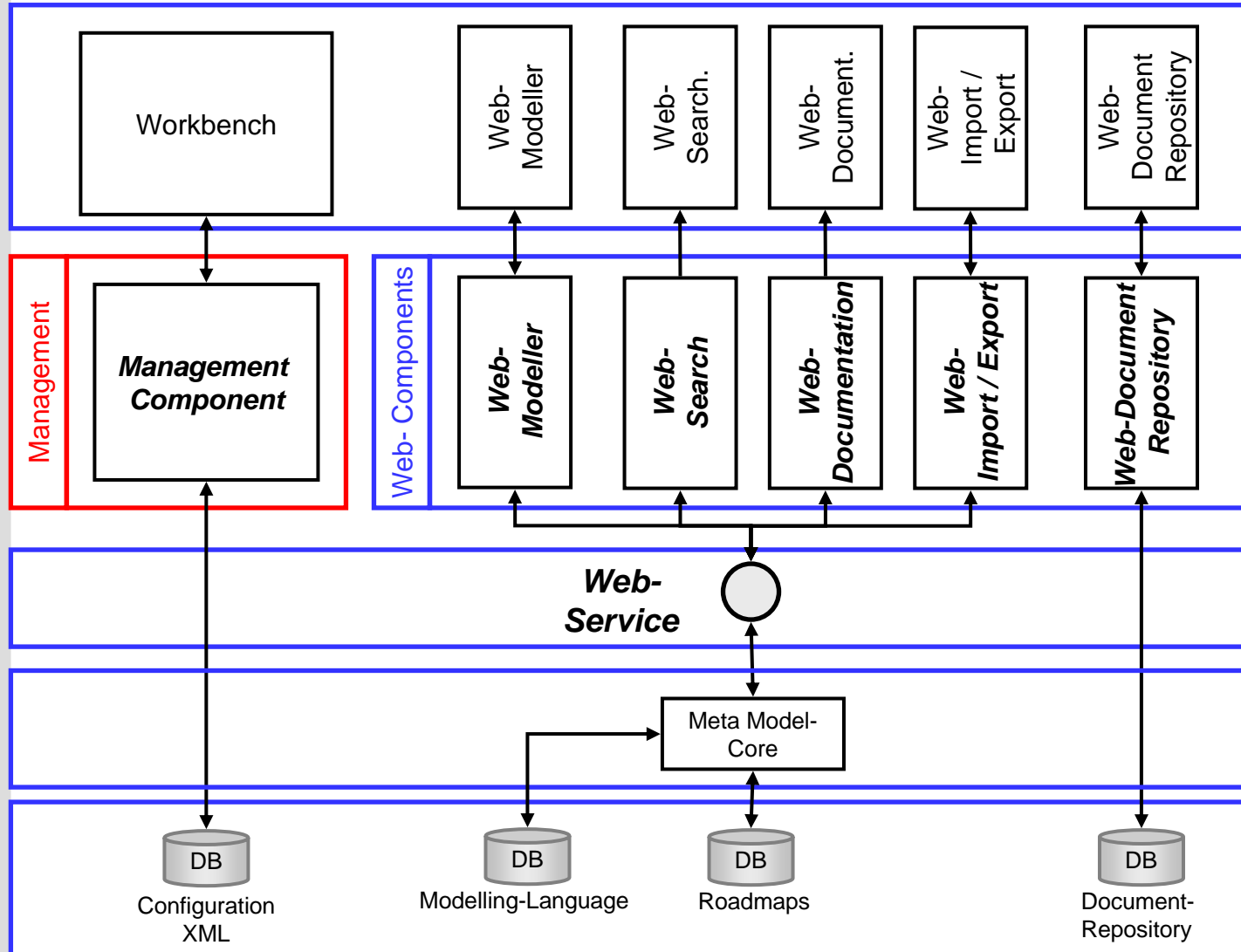
The Akogrimo Web Document Repository offers a platform to store and download files relevant to the Akogrimo Project.

Internet

Live - Demo
http://83.65.190.82:8080/
User: AkogrimoRoadmap
Password: : AkogrimoRoadmap-FP6-2003-IST-2-004293

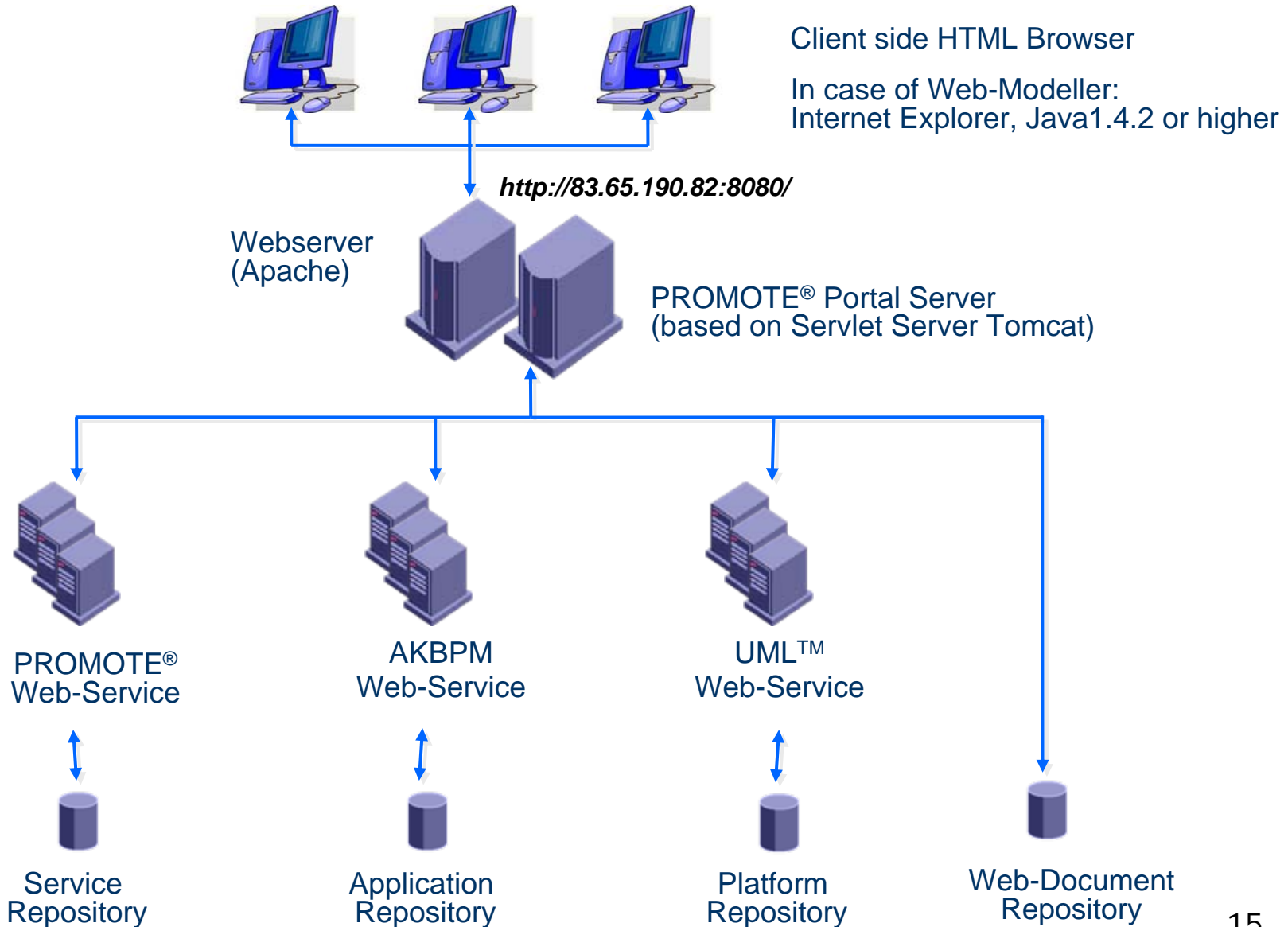


Architectural Overview of PROMOTE® 1/2



Legend: ○ Web-Service □ Class

The IT- Infrastructure for PROMOTE®





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Main Challenges and Main Achievements



- 1) **Applying** an innovative and new knowledge management approach in a complex project
- 2) The results have been **directly used** within the same project partly in parallel when developing the knowledge portal
- 3) Implementation of a set of different modelling methods and identifying a **methodological synchronisation** between application requirement specification, platform design and service implementation
- 4) Implementation of a **modelling environment** that provides three different modelling methods in a web and a stand alone version including components for cooperative usage of models
- 5) Externalisation of expert knowledge in the domain of software development.



Thank you for your attention!

Akogrimo

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