



ELLECTRA-WeB
IST Project co-funded by the EC
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Presentation Outline

- **ELLECTRA-WeB project overview**
 - Public Procurement in EU
 - electronic Public Procurement in EU
 - Challenges
 - Technological innovation
 - Motivation
 - Objectives
 - Partners
 - Impact

ELLECTRA-WeB project

European Electronic Public Procurement Application Framework in the Western Balkan Region

IST project co-funded by European Commission (FP6)

Duration: 01/01/2007 - 31/12/2008

Budget: ~1,9 million Euros

Objective

➔ to develop an Open Source electronic Public Procurement (ePP) Application Framework that facilitates the cost-effective implementation of electronic Public Procurement solutions that are compliant with the EC directives and EU best practices



Public Procurement in EU

- ❑ **Public Procurement in EU is governed by EC Directives**

 - ❑ **Directives 2004/17/EC and 2004/18/EC**
 - Set the ground for EU Public Procurement Market liberalisation
 - Impose Competitive Tendering to ensure best VFM
 - Impose non-discriminatory and transparent Awarding Process
 - Sets legislative framework for electronic Public Procurement

 - ❑ **Any business with a PC, internet connection and basic knowledge of public procurement can tender for contracts across Europe**

 - ❑ **By 2010, all EU administrations will have the capability of carrying out 100% of their procurement electronically**
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Electronic Public Procurement

Electronic Public Procurement across EU

- ❑ Member States have started to implement ePP solutions (Germany, Norway, UK, ...)
- ❑ Uncoordinated developments at local, regional or national level
- ❑ Developed by smaller SMEs targeting 'Tendering'
- ❑ Major commercial products targeting 'Purchasing'
- ❑ Lack of common functional specifications at EU level

Electronic Public Procurement solutions in EU

- ❑ Low-level bespoke design and coding
- ❑ Specifications lose their value as soon as coding starts
- ❑ Weak documentation
- ❑ Complex multi-tier, client-server architecture

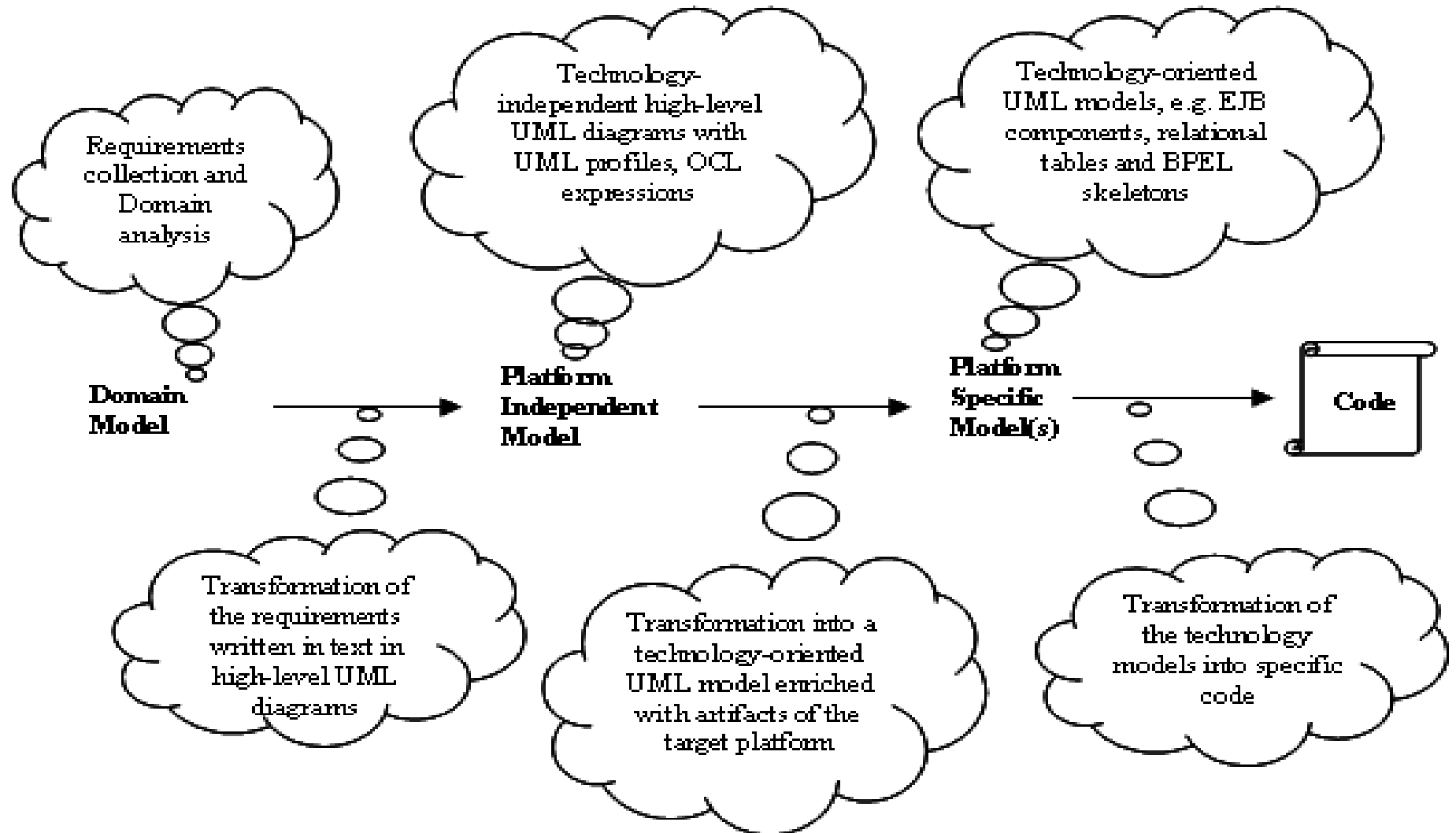
➔ **Costly implementation of ePP solutions**

Challenges

Capital investment of implementing electronic Public Procurement solutions is a major barrier


- **How to reduce development cost of electronic Public Procurement solutions?**
 - **How to reduce development complexity?**
 - **How to shorten development time?**
 - **How to ensure EU-compliance?**
 - **How to facilitate deployment and use?**
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MDE-based S/W Engineering



Service-Oriented Architecture

ePP solutions that are based on distributed, Web-based architecture

- Modular
 - Interoperable
 - Standardised
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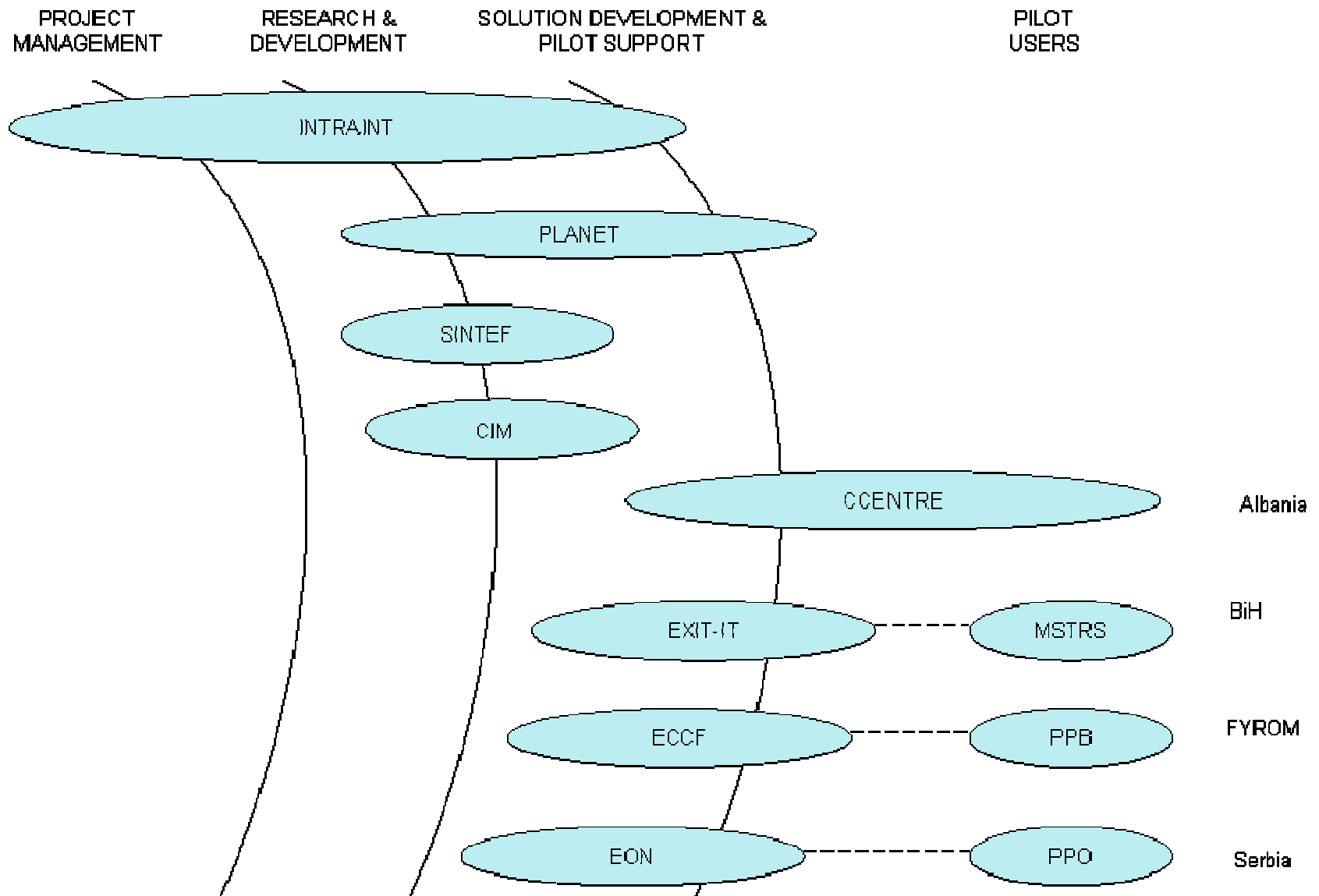
ELLECTRA-WeB: Motivation

- ❑ **With SOA/MDE, no code writing but code generation from technology-independent, pre-defined models**
- ❑ **If ePP SOA/MDE models are given, we can achieve:**
 - Reduced development cost
 - Reduced complexity
 - Shorter development time
 - Consistent Documentation
 - Portability

ELLECTRA-WeB: Objectives

- ❑ **Develop Open Source Development Environment for ePP Solutions generation based on predefined ePP SOA/MDE models (Application Framework)**
 - ❑ **Develop Guidelines for ePP Solutions Implementation**
 - ❑ **Develop Guidelines for Public Organisations reorganisation**
 - ❑ **Develop Guidelines for Suppliers participation in ePP**
 - ❑ **Influence WB by pilot use of ePP solutions**
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ELLECTRA-WeB: Partners



ELLECTRA-WeB: Expected impact

- ❑ Transparent processes – fair utilisation of public funds.
 - ❑ Equal participation opportunity to both WB SMEs and large organisations.
 - ❑ Facilitating access of EU suppliers to WB public procurement.
 - ❑ Facilitating access of WB suppliers to EU public procurements through interoperable systems.
 - ❑ Increase the demand of IT applications, to the benefit of local ICT developers, especially SMEs
- ➔ *ELLECTRA-WeB will showcase how the use of innovative Information and Communication Technologies impacts competitiveness*



Thank you for your attention

More info on ELLECTRA-WeB available at:
<http://www.ellectra-web.eu>