



ELLECTRA-WeB project

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ICT & Entrepreneurship: Two day event on 19 & 20 June 2007

Presentation Outline

- ❑ **Short company profile**

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

INTRASOFT INTERNATIONAL S.A. in a nutshell

- ❑ **Leading European company in the field of ICT services (established in October 1996)**
- ❑ **Broad portfolio of business activities mainly in the public sector, including national & international organisations. The company's offering is grouped along 4 service lines:**
 - **Application Development & System Integration**
 - **Networking & Security Services**
 - **e-Government Solutions & Managed Services**
 - **Outsourcing, Consulting and Professional Services**
- ❑ **Employs 700 professionals working in Belgium, Luxembourg, Athens, and Romania 89% of which have postgraduate degrees, representing 17 different nationalities and mastering more than 15 languages**
- ❑ **Impressive organic growth. Consolidated organic revenue in 2006 reached 52.6 million (2005: 46.4 million) with Profit Before Tax of 4.5 million, representing over 40% Compound Annual Growth Rate.**

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**

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

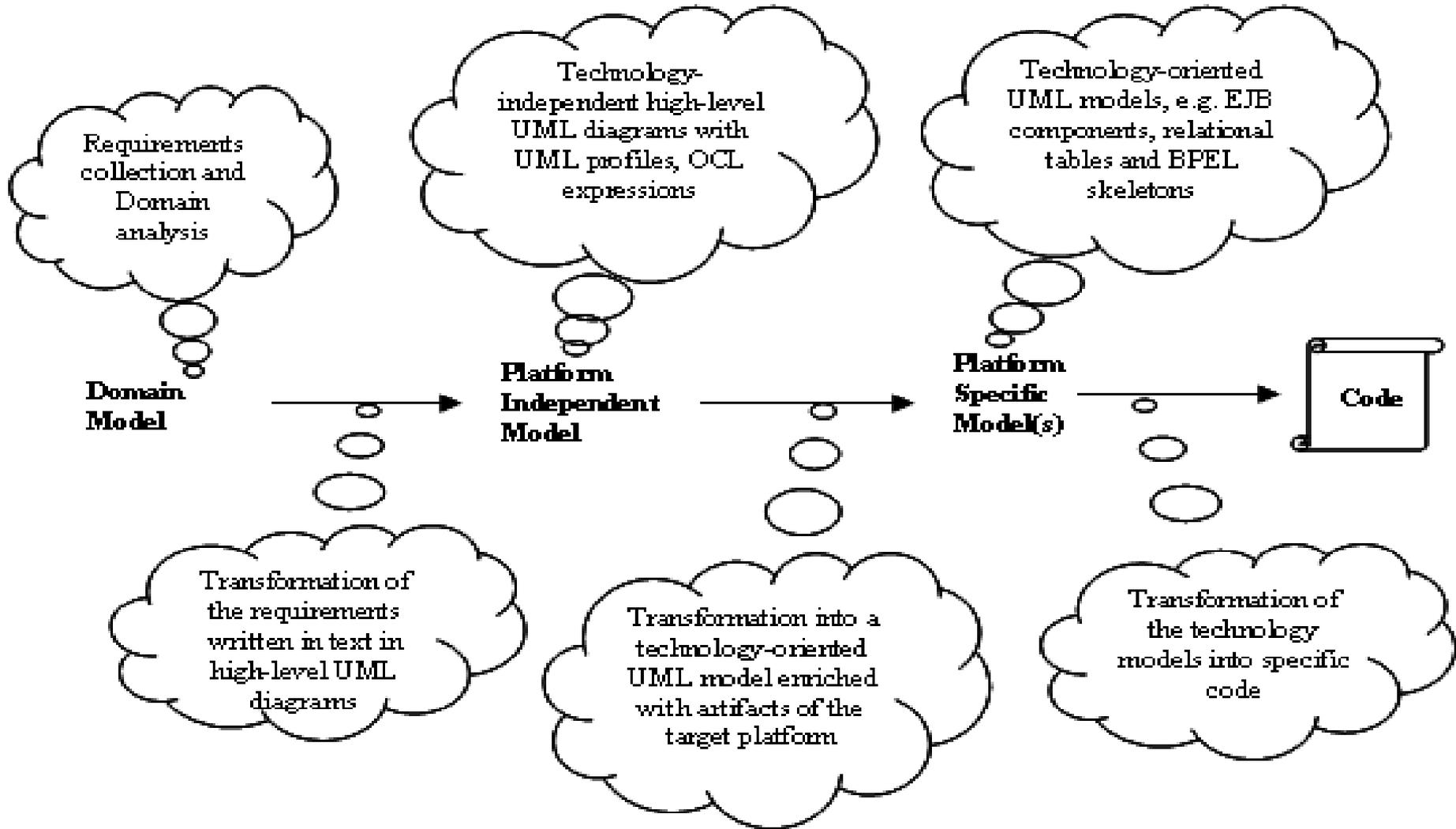
➔ **Costly implementation of ePP solutions**

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?**

MDE-based S/W Engineering



Service-Oriented Architecture

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

- Modular
- Interoperable
- Standardised

ELLECTRA-WeB: Motivation

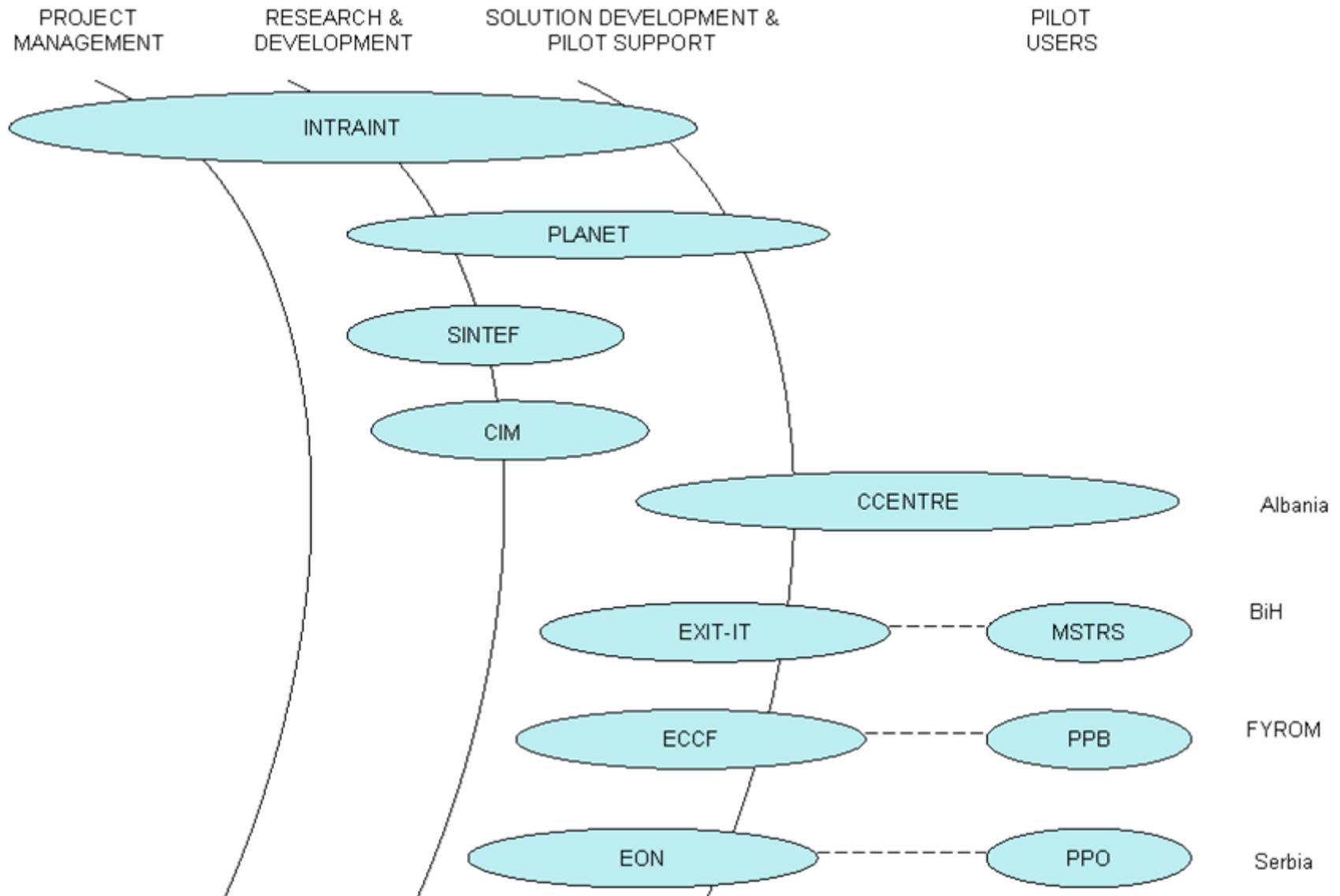
- ❑ **With SOA/MDE, no code writing but code generation from technology-independent, pre-defined models**

- ❑ **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**

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>