



National Technical University of Athens  
Decision Support Systems Laboratory

# eGovernment & eBusiness Research Brief Presentation

September 2008



# Areas of Expertise

1. **eGovernment Interoperability Standardisation**, including National Standardisation Frameworks for businesses and governments
2. **Enterprise and data modelling** methodologies with emphasis in collaborative process modelling, advanced CCTS-based XML modelling, business process management and simulation methods
3. **eGovernment Information Systems** in Local, National and European level, including Electronic Services Portals, Geographical Information Systems and middleware components.
4. Technologies for **electronic participation** of citizens and businesses, including argument visualization and legislation formation for parliaments
5. Advanced **public sector knowledge management** systems with the use of ontological representation and federated repositories
6. **eBusiness Information Systems**, including eSCM systems, Enterprise Portals and relevant middleware components.
7. **Skill management and educational material** development for public sector training on eGovernment and Interoperability

# Projects – eGovernment



- The **Greek eGovernment Interoperability Framework (eGIF)**: full specification of standards, governmental XML schemas and service repository for the Greek Government
- The **Greek Interoperability Centre**: FP7 Project for the creation and operation of a regional excellence centre for South-Eastern Europe
- **Electronic Services Portals and Geographical Information Services Portals** for various Greek Municipalities (Ano Liossia, Nea Ionia, Ag. Paraskevi, Iraklio, Acharnai, Rhodes)
- Studies and models on the **Impact of eGovernment** in Greece, with the use of eGEP European Commission Model
- Study on **Government to Business** electronic services for the Greek Public Sector, based on i2010
- Definition of the **i2010 indicators** for the Greek eGovernment programme



# Projects - eParticipation



- **LEXIS:** FP6 project on participative legislation formation (Greek, Austrian, Lithuanian parliament)



- **WEB-DEP:** FP6 project on eParticipation services of National News Agencies (Greece, Albania, FYROM, Serbia)



- **FEED:** FP7 project on eParticipation for Energy and Environment (municipalities from Netherlands, Czech Rep, Greece and UK)



- **DEMOS@WORK:** FP7 project on municipal eParticipation systems for health issues (Spain, Greece, Belgium)



- **MOMENTUM:** The monitoring project of all EC eParticipation projects (FP6 and FP7)

# Projects - eBusiness

**GENESIS**

- **GENESIS:** FP6 project on electronic transactions between SME's for Eastern Europe. ebXML platforms and ERP connectors for SAP, Insiel, SingularLogic and Logo commercial systems. Unified modelling of business documents for Bulgaria, Romania, Austria, Czech Republic, Greece, Cyprus, Turkey.

InterOP - VLab

- **INTEROP-Vlab:** the European Interoperability Virtual Lab, with members in 10 European countries. NTUA is the coordinator of the Greek pole.

**PRAxis**

- **PRAxis:** Information Society research project for B2B and B2G electronic transactions (Greek Ministry of Finance)



- Editors of the **European Commission FP7 Enterprise Interoperability Roadmap**
- Several projects on Enterprise Modelling Tools, Enterprise Portals and Knowledge Management systems for businesses

# Examples of Reusable Expertise

Standardization — **Greek eGIF: more than 500 organisational, semantic and technical standards for eGovernment**

Public Registries — **eGov Service Registry with 1,000 public services definitions and 2,000 public service forms**

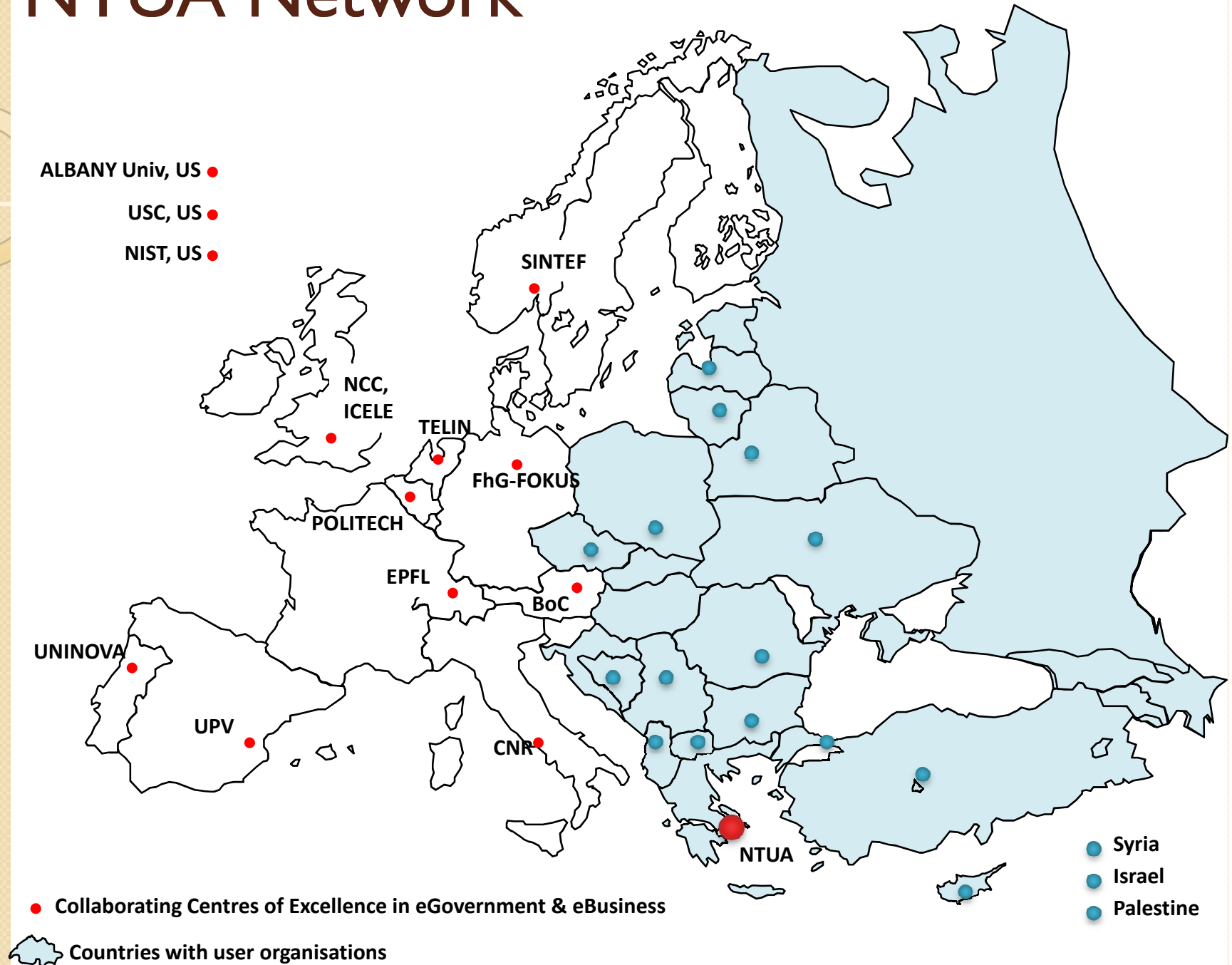
Data & Process Models — **300 government and 100 business processes for South-Eastern Europe in BPMN. More than 200 XML definitions using UN/CEFACT/CCTS**

Legal Framework — **Legal issues database, for e -Invoicing legislation in Eastern Europe**

Legal Ontologies — **Legal elements ontology, for governments & parliaments**

Training Material — **Complete e-learning courses in eGovernment and Interoperability**

# NTUA Network





# Training – Publishing - Dissemination

- More than 50 recent publications in eGovernment and eBusiness
- Organisation of international scientific and industrial workshops (in i-ESA, eChallenges, eGOV DEXA, etc)
- Postgraduate courses in eGovernment (Athens, Samos, Lausanne)
- More than 300,000 pages of indexed information on eGovernment and eBusiness





National Technical University of Athens  
Decision Support Systems Laboratory

## eGovernment & eBusiness Research Contact Points

---

Dr. Yannis Charalabidis  
Head, eGovernment & eBusiness Research  
Decision Support Systems Laboratory  
School of Electrical and Computer Engineering  
National Technical University of Athens  
Iroon Polytechniou 9, 15773 Zografou, Athens  
Tel: +30-210-7723555, Fax: +30-210-7723550  
Email: [yannisx@epu.ntua.gr](mailto:yannisx@epu.ntua.gr)

---