

eGOV 2008 Conference, Turin, 2 September 2008.

ICT for Governance and Policy Modelling FP7: WP 2009-10

Maria GERONYMAKI
European Commission
(Maria.Geronymaki@ec.europa.eu)
<http://ec.europa.eu/egovernance>



European Commission
Information Society and Media

Decade of eGovernment

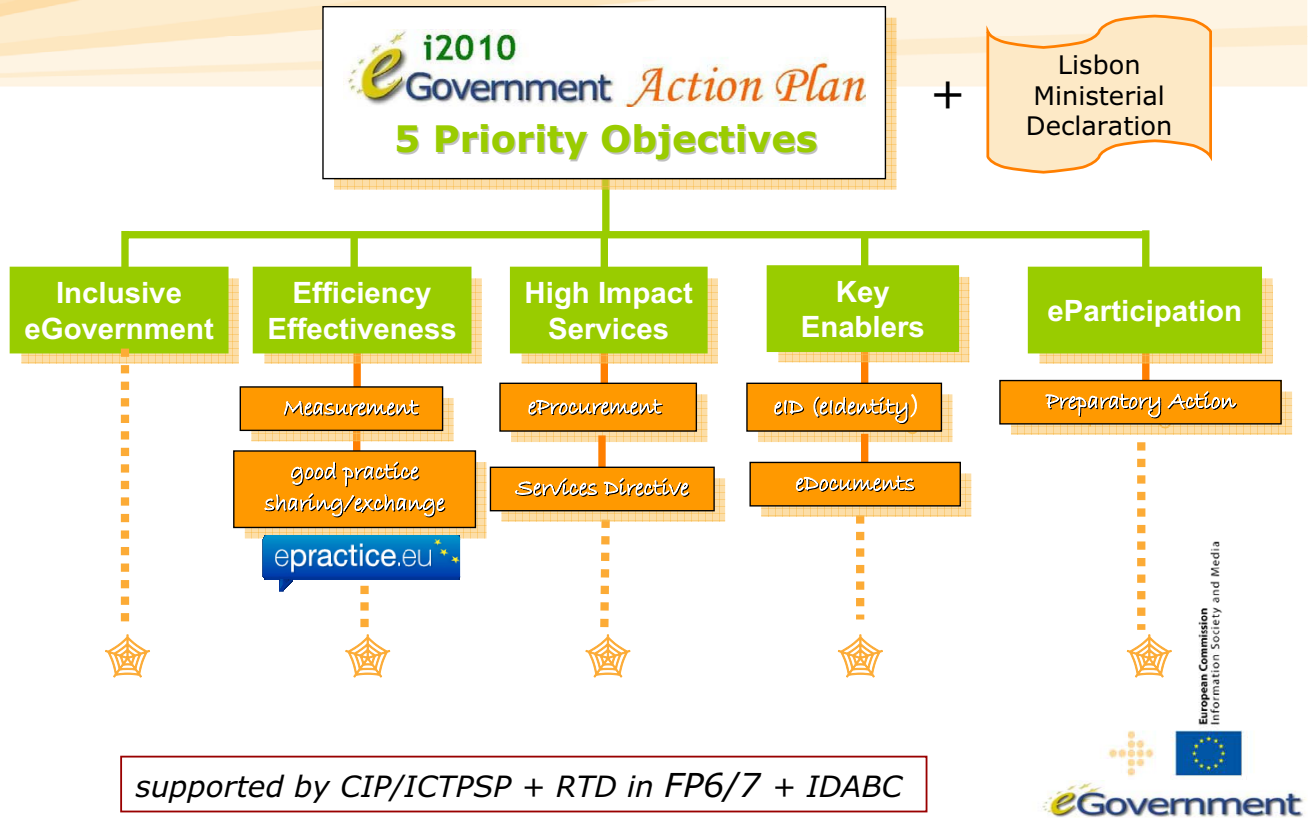


- eEurope {
- 2001 Conference (Brussels)
 - 2003 Conference (Como)
 - 2005 Conference/Ministerial Declaration (Manchester)
 - 2006 eGovernment Action Plan (Council)
- i2010 {
- 2007 Conference / Ministerial Declaration (Lisbon)
 - National Progress Report & Benchmarking Report
 - epractice.eu good practice & community sharing
 - 2008 Conference – “Alliance with Users”, Slovenia
 - Reinforcing activities 2008-2010**
 - **launch Large Scale Pilots**
 - **address burden reduction initiatives**
 - **explore research opportunities (FP7)**
 - 2009 Ministerial Conference (Sweden)**
 - 2010 Next phase of eGovernment 2010-2015 ?**

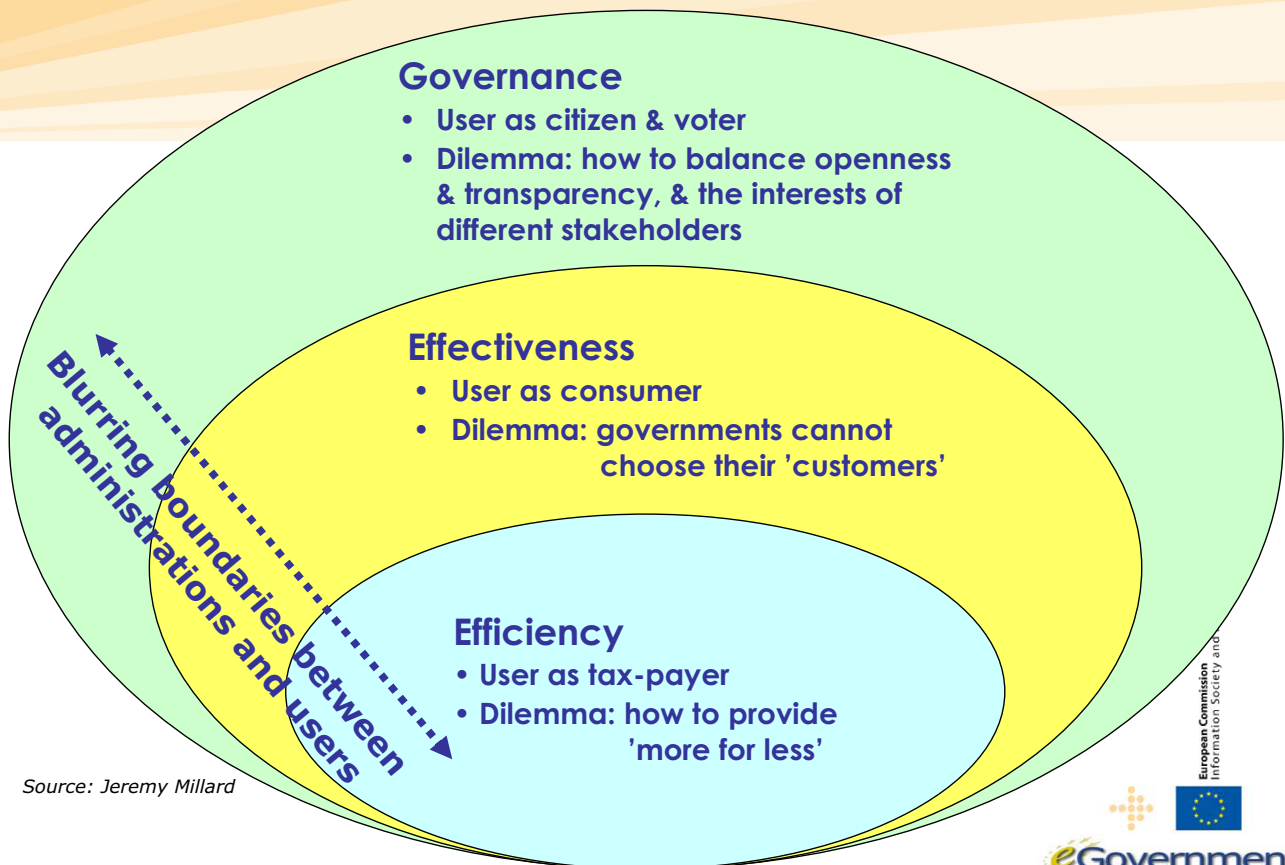


European Commission
Information Society and Media

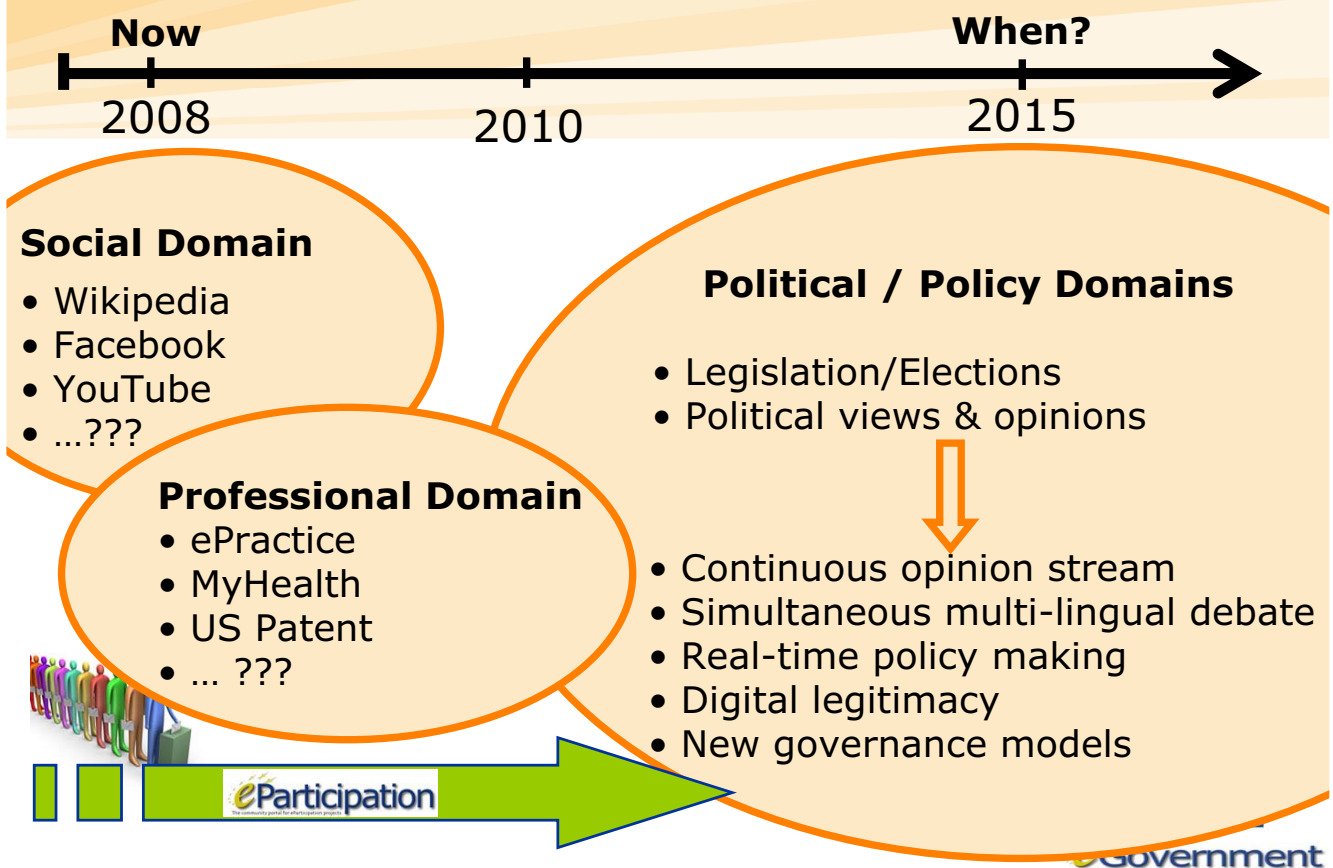
Action Plan for Coherent Progress



Evolving role of ICT in eGovernment



ICT for participative eGovernance



Where do the inputs come from? What is the process of WP preparation?

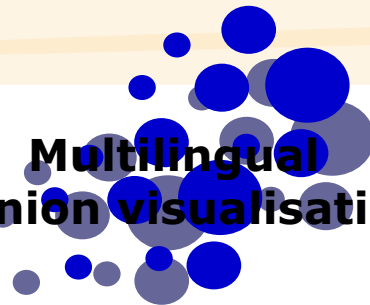
- ICTC
- ISTAG
- Consultations with stakeholders
- Detailed workshops
- Studies and analysis
- Roadmap projects
- Lots of internal discussions !

Cross-domain & Multi-disciplinary

Simulation



**Multilingual
opinion visualisation**



Policy modelling



Gaming techniques



Mixed reality



FP7 Draft Workprogramme 2009-2010

Challenge 7 includes:

“ICT for governance and policy modeling”

- governance and participation toolbox
- policy modelling, simulation and visualisation
- roadmapping and networking

1st Consultation Meeting



28th May 2008, Brussels

Networking Session



November ICT Conference, Lyon



Research focus in ICT for Governance and Policy Modelling

a) Governance and participation toolbox

- new governance models to empower and engage individuals, groups and communities
- mass online collaboration networking tools, and crowd-sourcing
- security, identity and access controls

b) Policy modelling, simulation and visualisation

- large scale data analysis, mining, opinion visualisation, pattern recognition, gaming and mixed reality applications
- complex systems analysis and use of cloud computing
- policy modelling, based on simulated behaviour and wishes of large numbers of people



Funding schemes for ICT for Governance and Policy Modelling: WP2009-10

- "Small or medium-scale focused research actions" (STREP)
- Coordination Actions (CA) and Specific Support Actions (SA)



Roadmap for WP2009-10

- **April 08: First draft WP to ICTC for discussion**
- **June 08: Second draft WP to ICTC for discussion**
- **October 08: Final WP to ICTC for opinion (22 October 08)**
- **November 08: WP adoption**
- **19 November 08: ICT Call 4 launch (ICT for Governance and Policy Modelling)**
- **June/July 09: ICT Call 5 launch**
- **December 09: ICT Call 6 launch**



eGOV 2008: prepare ideas for scenarios

**Discussion Panel on ICT for Governance & Policy Modelling
Wednesday 03/09 9:00-10:30**

Scenarios on

a) Governance and participation toolbox

**new governance models to empower and engage people
mass online collaboration networking tools and crowd-sourcing
security, identity and access controls**

b) Policy modelling, simulation and visualisation

**large scale data analysis, mining, opinion visualisation,
gaming techniques, use of cloud computing**

**policy modelling based on simulated behaviour and wishes of
large numbers of people**

For more info and contributions: <http://www.epractice.eu/community/egovernance>

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ICT for Governance and Policy Modelling

The Commission has already started the preparation of the Work Programme for 2009 - 2010 of the 7th Research Framework Programme in the area ICT for governance and Policy modelling, including a first consultation meeting that took place on the 28 May 2008. For more details see

http://ec.europa.eu/information_society/activities/egovernment/research/fp7/fp7_workshop/index_en.htm This ePractice Community will continue with this process by establishing a forum with the following aims: - To build a network of peers from the public and private sector interested in policy modelling, opinion visualisation, mass collaborative platforms, large-scale societal simulations and in the use of these advanced tools by governments. - To allow practitioners from academia, public administrations, IT companies, industry and other interested research and non research stakeholders to contribute to the definition, shape and fine-tuning of the scope of future EC eGovernment research areas - To keep momentum for the ongoing discussions through input exchange on these topics and the establishment of a communication channel between the European Commission and potential key stakeholders and champions in the area of ICT for Governance and Policy Modelling.


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Domain: eGovernment

Topic: Other

Tags: governance toolbox, participation toolbox, policy modelling,

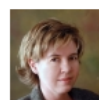
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7th International Conference
on Electronic Government
EGOV08

1-5 September 2008
Turin, Italy

ICT for Governance and Policy Modelling

Panel discussion

Organized by

Maria Geronymaki, European Commission

Panelists

Enrico Ferro, Politecnico of Turin, IT

Josef Makolm, Federal Ministry of Finance, AT

Marijn Janssen, TU Delft, NL

Yao-Hua Tan, Vrije Universiteit Amsterdam, NL

Maria A. Wimmer, University of Koblenz, DE



7th International Conference
on Electronic Government
EGOV08

1-5 September 2008
Turin, Italy

Main aims of the panel

- ... discuss the priority challenge
- ... get indicative scenarios for the upcoming priority challenge in FP 7
- ... identify potential contributions to the two networking sessions at ICT in Lyon



Prof. Dr. Maria A. Wimmer, University of Koblenz, DE



Panel presentations

Enrico Ferro: [ICT for policy modelling: the PICTO experience](#)

Yao-Hua Tan: [New Governance Models: Lessons from the ITAIDE project](#)

Josef Makolm: [egosta – Framework Good Governance & Stakeholder Involvement](#)

Maria A. Wimmer: [Participate Governance in PEPPOL](#)

Marijn Janssen: Animation and Simulation in Policy-Making

ICT for Governance & Policy Simulation

The PICTO Experience



Enrico Ferro - ISMB/Politecnico di Torino

Piedmont ICT Observatory

- ✓ **Six years** of policy support **experience** on ICT related topics
- ✓ A number of **International Research Projects**: Regional-IST, Understand
- ✓ In particular broadband management:
 - Regions for Better BroadBand Connections (**B3**) (**fast track**)
 - Agent based models for the evaluation of alternative broadband stimulation policies.

Think Tank on ICT & Development Policies

- ✓ We are trying to set up a "Policy Intelligence" process in which policy simulation is one of the tools used. Underlying assumption:
 - Before spending millions of € in a policy is worth spending a few thousands understanding what is the problem and how to best tackle it.

- ✓ Possible interesting applications:
 - Real time policy testing (es: tax brackets change in Italy)
 - Down time sensitive services (emergency numbers i.e. 911, firebrigade, Hospitals, etc..)
 - Application of complexity theory to policy simulation (identification of simple rules to manage complex systems)
 - Using existing virtual worlds as test-beds (for new service development or policy testing)

- ✓ Issues to keep in mind:
 - Reliability / Representativeness of models used for simulation (difficult to evaluate / lot's of tacit knowledge)
 - Availability / Accessibility of longitudinal/consistent knowledge bases with real life data (important complementarities with observatory activities)
 - Communication of results to politicians / Fair use of this models by politicians



New Governance Models: Lessons from the ITAIDE project

Prof. dr. Yao-Hua Tan
Vrije University Amsterdam
Netherlands
ytan@feweb.vu.nl



3/09/2008

ITAIDE – Information Technology for Adoption and Intelligent Design for e-Government

- Integrated Research Project
 - 4.5 years (January 2006 – June 2010)
- EU contribution 5.8 Meuro from 6th Framework IST Programme



SAP RESEARCH



Belastingdienst Douane



3/09/2008

Shift from Command to Trust

- Lessons learned from ITAIDE
 - design of electronic customs
 - E3-Control redesign methodology
 - Organizational Network Collaboration analysis
 - Business, IT-provider, Tax & Customs office

- Strategic transformation of Governance models in Europe
 - European Commission
 - Reduction of administrative Burden
 - Dutch Government
 - Examples: Tax filing, Export/Import clearance

New Governance Model

- Traditional Governance (“Horizontal Supervision”)
 - Command & Control
 - Push model: Citizen/company has to provide loads of data & documents to government

- New Governance (“Vertical Supervision”)
 - Trust-based Public-Private partnership
 - Pull Model: No data/docs required, company provides access to its databases for random check
 - But, Company has to convince the government it is trustworthy
 - Role of IT to prove trustworthiness
 - System-Based Audit
 - Authorized Economic Operator certificate

- Research questions
 - What kind of trust is needed?
 - What is role of IT in creating trustworthiness?

egosta – Framework

Good Governance & Stakeholder Involvement



Programmatic Approach

- from eGovernment to eGovernance
- from eParticipation to Stakeholder Involvement
- Involvement of Stakeholders' Requirements & Ideas
- Acceptance by Acceptance

Tradition in the Austrian Federal Ministry of Finance

- eTaxation (FinanzOnline)
- DYONIPOS (proactive & context-sensitive Knowledge Mgmt)

josef.makolm@bmf.gv.at

egosta – Framework

Good Governance & Stakeholder Involvement



Stakeholder eParticipation in big eGov. Projects

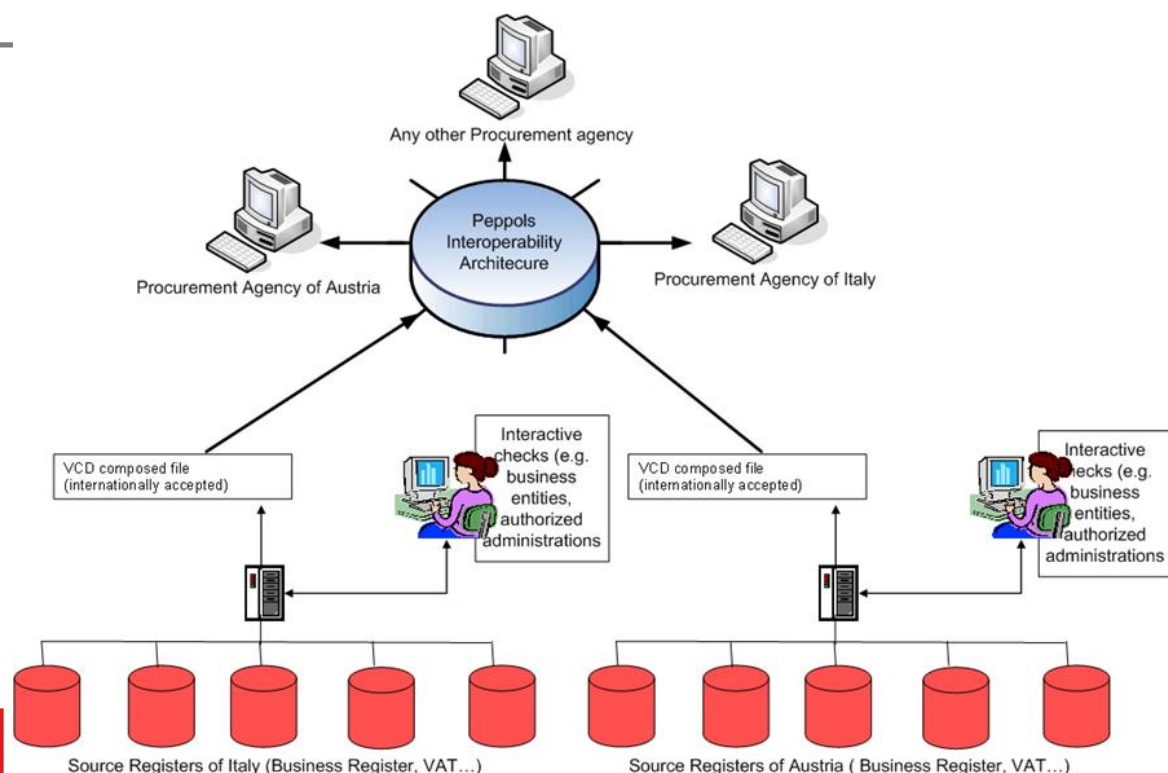
- **eParticipation Toolbox** based on Web 2.0 technologies for active stakeholder participation (blogs, discussion fora, wikis for elaborating stakeholder positions)
- **eParticipation Analysis Tool** for semantic categorisation, clustering and analyzing of masses of eParticipation artefacts by Knowledge Mining & Knowledge Discovery etc. (DYONIPOS)
- **Organisational Guidelines** how to implement and run the eParticipation Toolbox and the eParticipation Analysis Tool
- **Good Practice case** in the PEPPOL.AT project „VCD: Virtual Company Dossier“

josef.makolm@bmf.gv.at

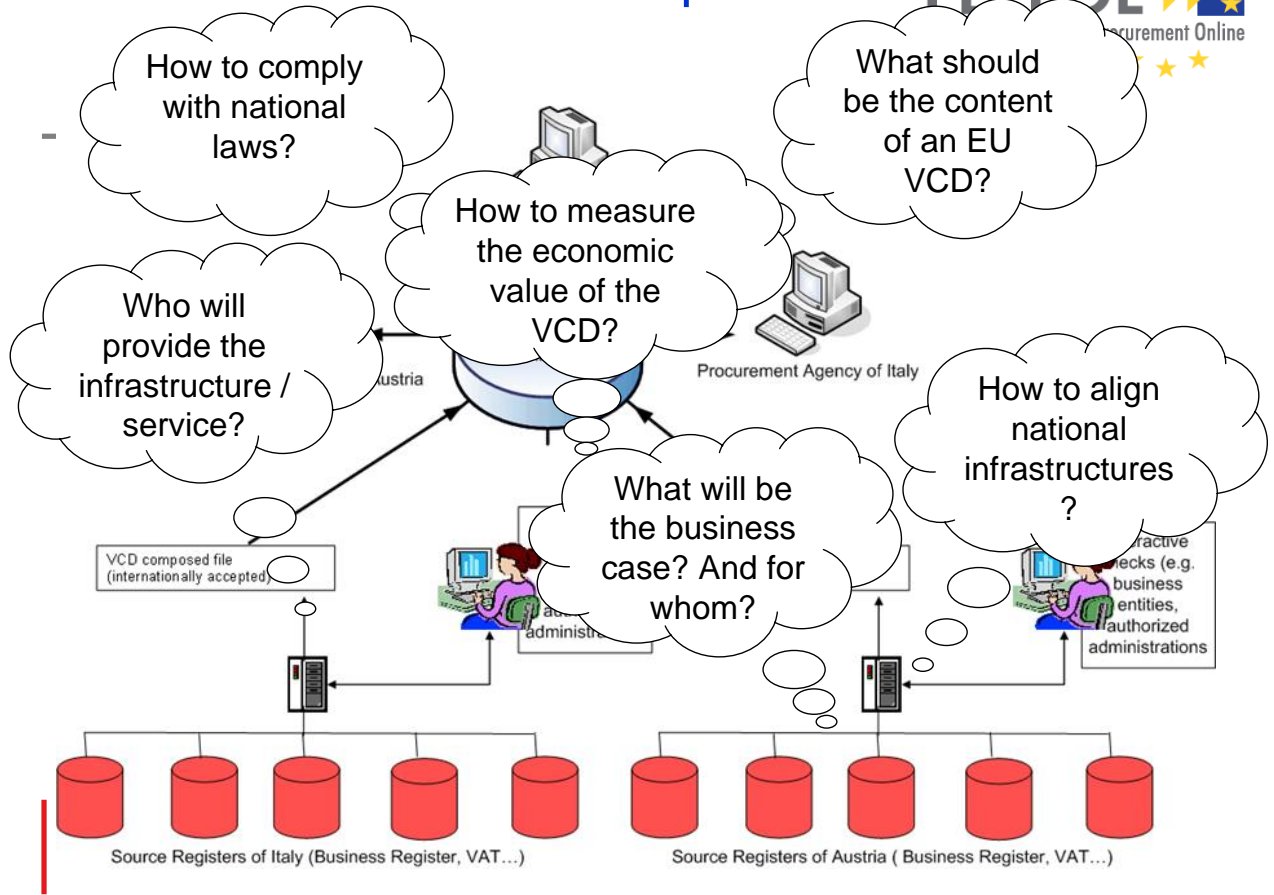
The challenges in PEPPOL's VCD

- Virtual Company Dossier (VCD) part of PEPPOL (Pan-European Public Procurement Online)
- VCD involves a number of stakeholders
 - Tendering organizations, tenderers (large, medium, small enterprises and consortia), intermediaries, holders of certificates / attestations
- VCD imposes a vast number of challenges
 - Interoperability of certificates and attestations, especially semantic interoperability challenge
 - Aligning national regulations to EU standards
 - Harmonizing infrastructures and procedures
 - Language barrier

Context of VCD vision and pilots



Context of VCD vision and pilots



Context of VCD vision and pilots

