

eGovernance implementation – what is important?



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About

- **Why** – aims and impact;
- **How** – change management is the issue of coordination and responsibilities;
- **What** – organization, regulations, financing;
- Roles of different stakeholders – government, businesses, universities, citizens.

Aims again:

Good governance is about

- smart decisions;
- Efficiency;
- Transparency;
- better life for citizens;
- economic growth.

FEW EXAMPLES:

Using the digital
signature effectively
we save 1 working
week per year

2 % of GDP

Economic
Effect

Online versus offline

| Service | Time spent on e-service | Time spent on offline service | Time savings (min) |
|---------------------------------------|-------------------------|-------------------------------|--------------------|
| Establishing a company | 30 | 510 | 480 |
| VAT declaration | 7 | 68 | 61 |
| Tax declaration | 10 | 78 | 68 |
| i-Voting | 6 | 44 | 38 |
| Parliamentary legislation system | 7 | 26 | 19 |
| Self-Service of the Unemployment Fund | 13 | 37 | 24 |

Balanced e-Governance = Combination of electronic services and participatory services

e- GOVERNMENT
e-Services



e-DEMOCRACY
e-Participation



Organization
process



Legal framework
process

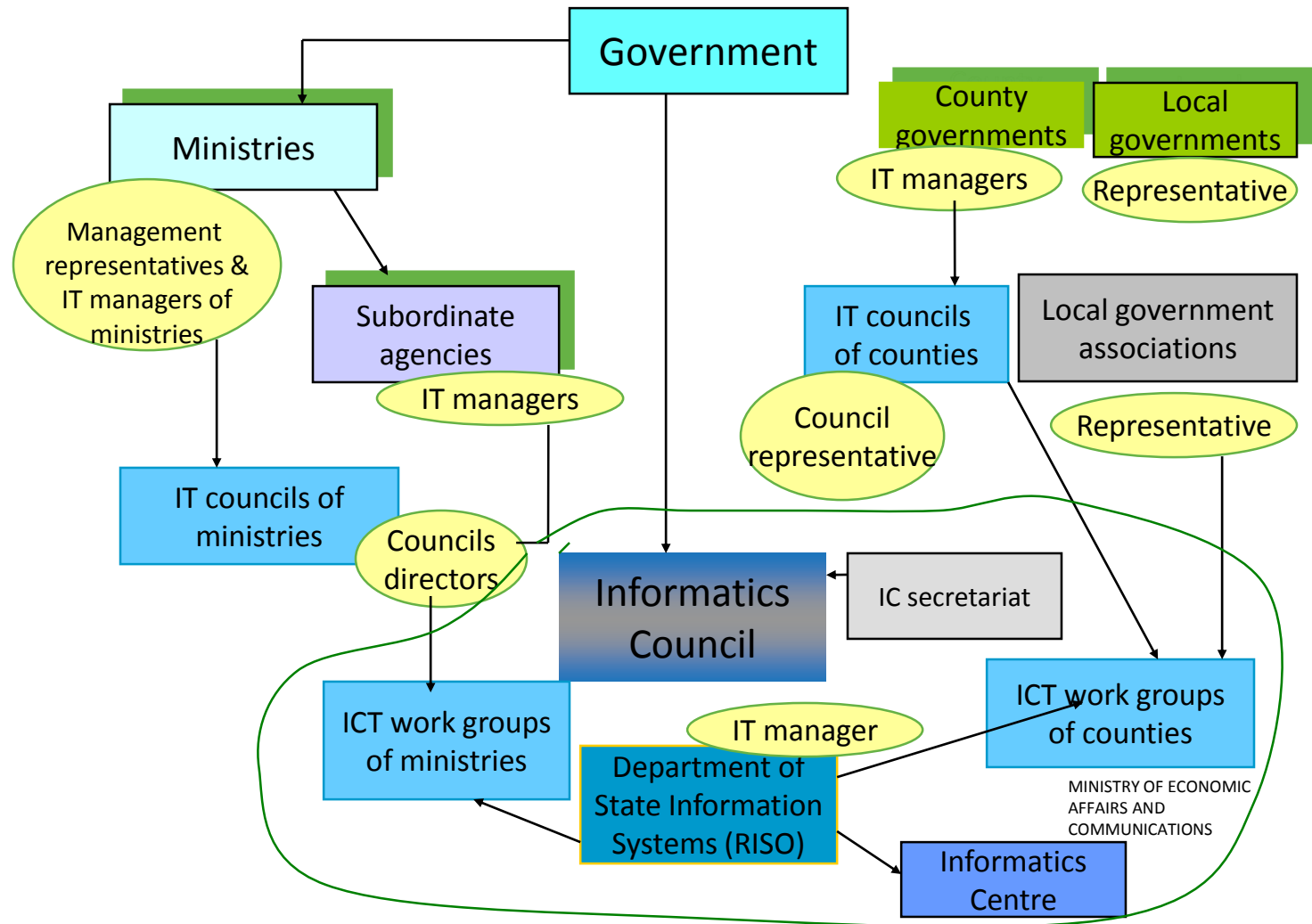


Fiscal framework
process



Technical
architecture
project

e-Government Policy / Strategy



Central coordination and IOF management – Different roles

eGovernment Central Coordination Unit:

eGov and Information Society strategy planning and monitoring.

- Collecting and analyzing ICT systems in government;
- eGov budget planning with Ministry of Finances and donors ;
- Developing and giving approvals for legal acts related to eGov;
- Preparing eGov strategies and action plans;
- Monitoring Action Plan development;
- Cooperating with CIOs. Trainings for CIOs;
- Planning and coordinating international cooperation on eGov.

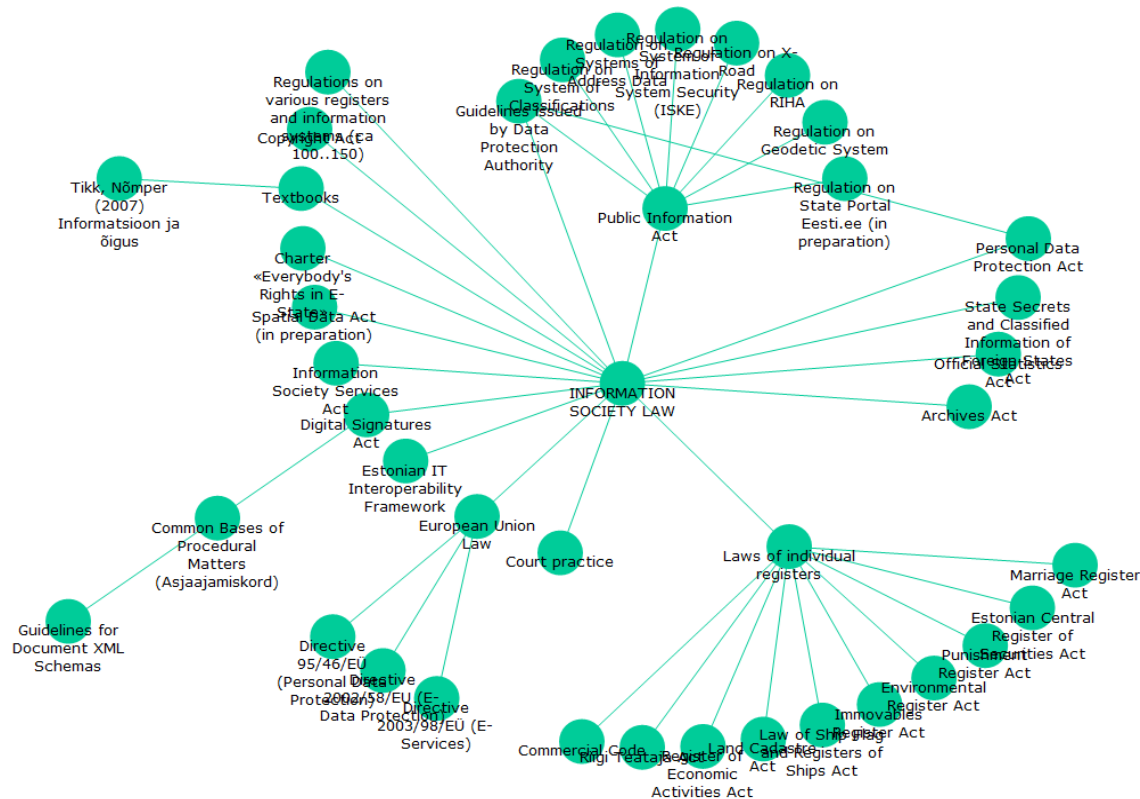
Central coordination and IOF management – different roles

eGovernment Central Implementing Body:

Implementation of eGov interoperability platform.

- Data exchange layer and monitoring
- Portal
- IOP management system - metadata
- Infrastructure
 - Network
 - eID
 - CA
 - Mobile and payment gateway
 - Cloud

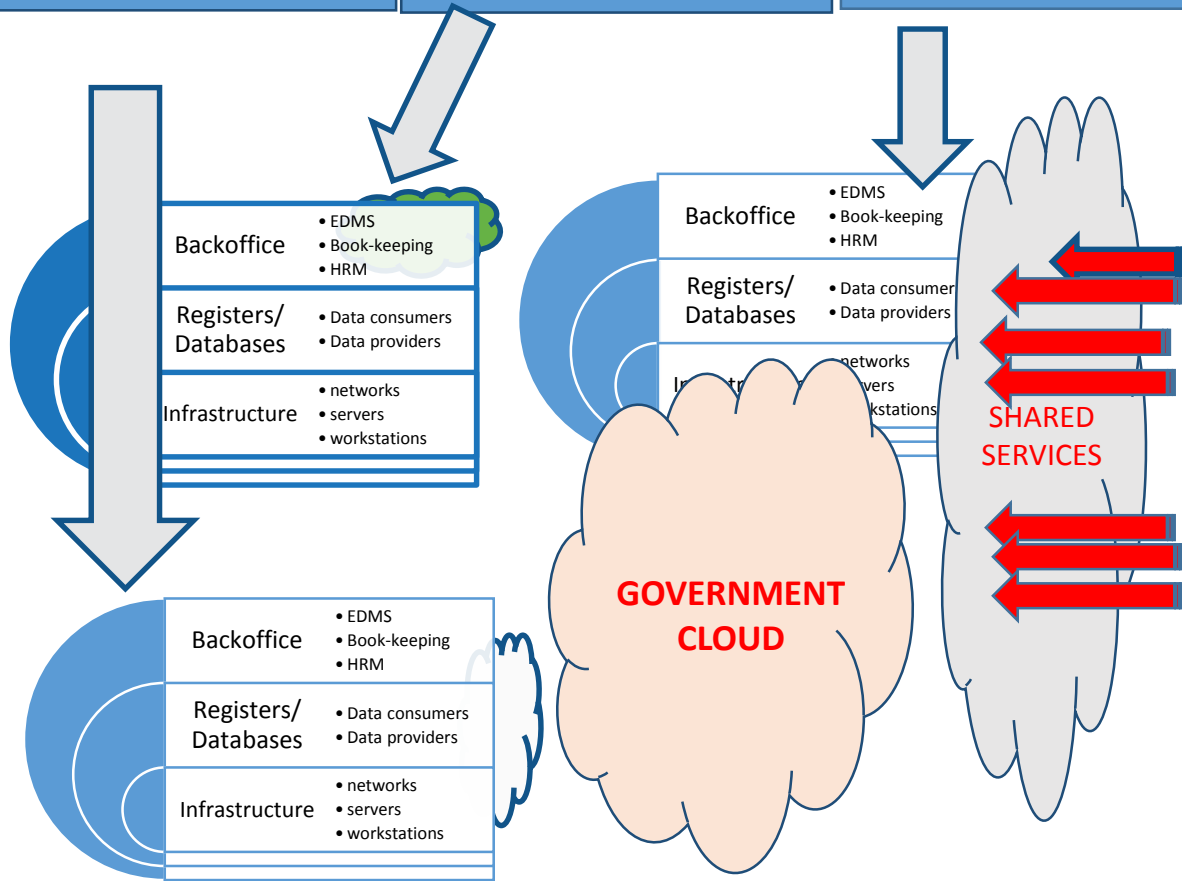
Legal framework



- Technology can not be regulated but relations between people, organizations...rights and responsibilities
- Regulate as minimal as possible. Use existing legal framework and make needed amendments

Legislation

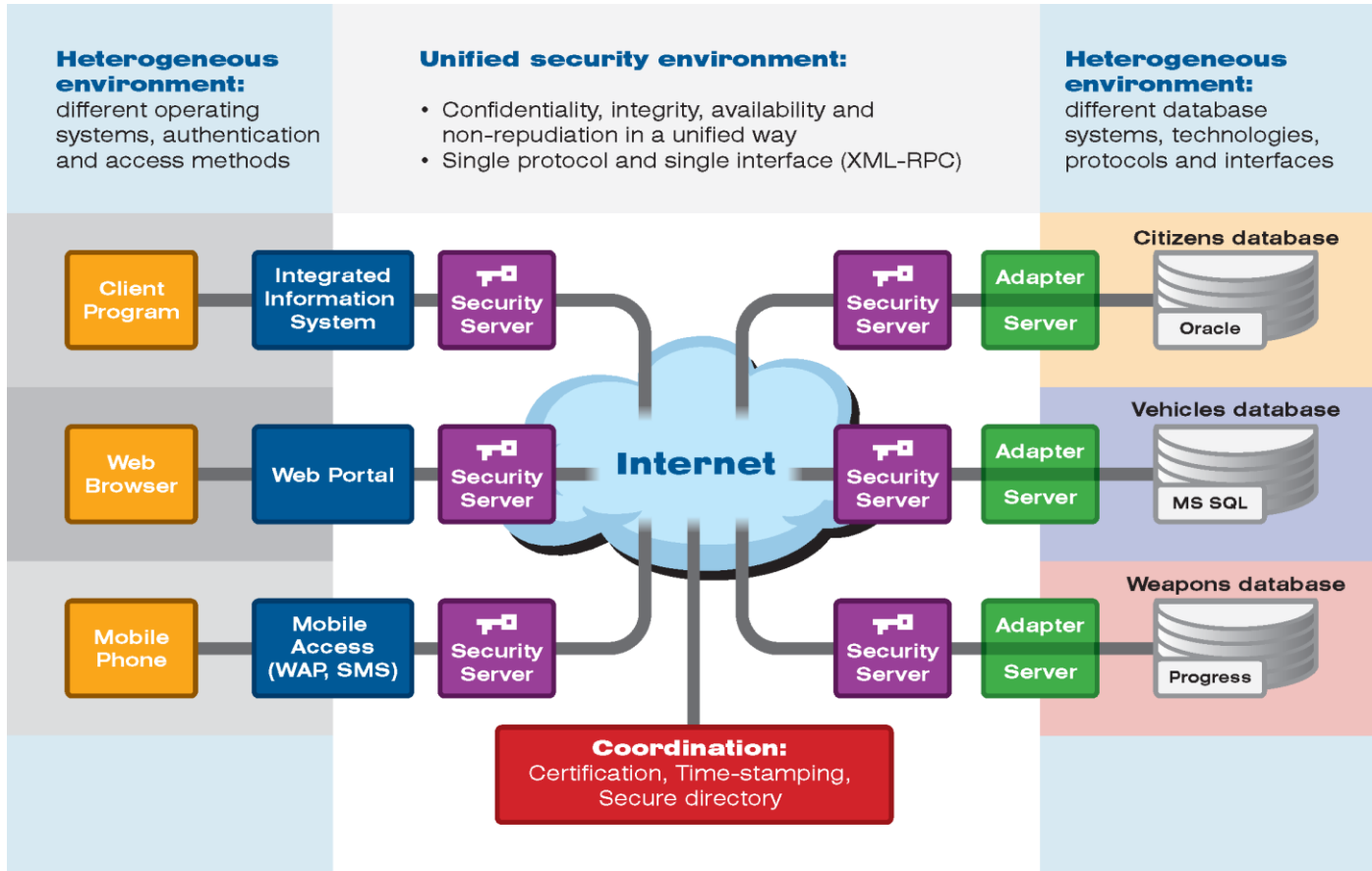
- **Databases Act** (1997/ 2006)
- **Public Information Act** (2001)
- **Digital Signatures Act** (2000)
- **Act on Intellectual Property** (applicable also for state databases)
- **Principles of Estonian Information Policy** (1998, 2004)
- **Action Plan of Estonian Information Policy – (eEstonia)** (1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006...)
- **Personal Data Protection Act** (1996)



Horizontal enablers

- ADDRESS SYSTEM
- DATA PROTECTION MEASURES
- ELECTRONIC ID
- METADATA and MANAGEMENT SYSTEM
- ONTOLOGIES and SEMANTICS
- GEOGRAPHIC COORDINATES
- CLASSIFIERS
- DOCUMENT REPOSITORY
- SERVICE PORTAL for EGOV
- DATA EXCHANGE INFRASTRUCTURE
- MOBILE GATEWAY
- PAYMENT GATEWAY

System Architecture

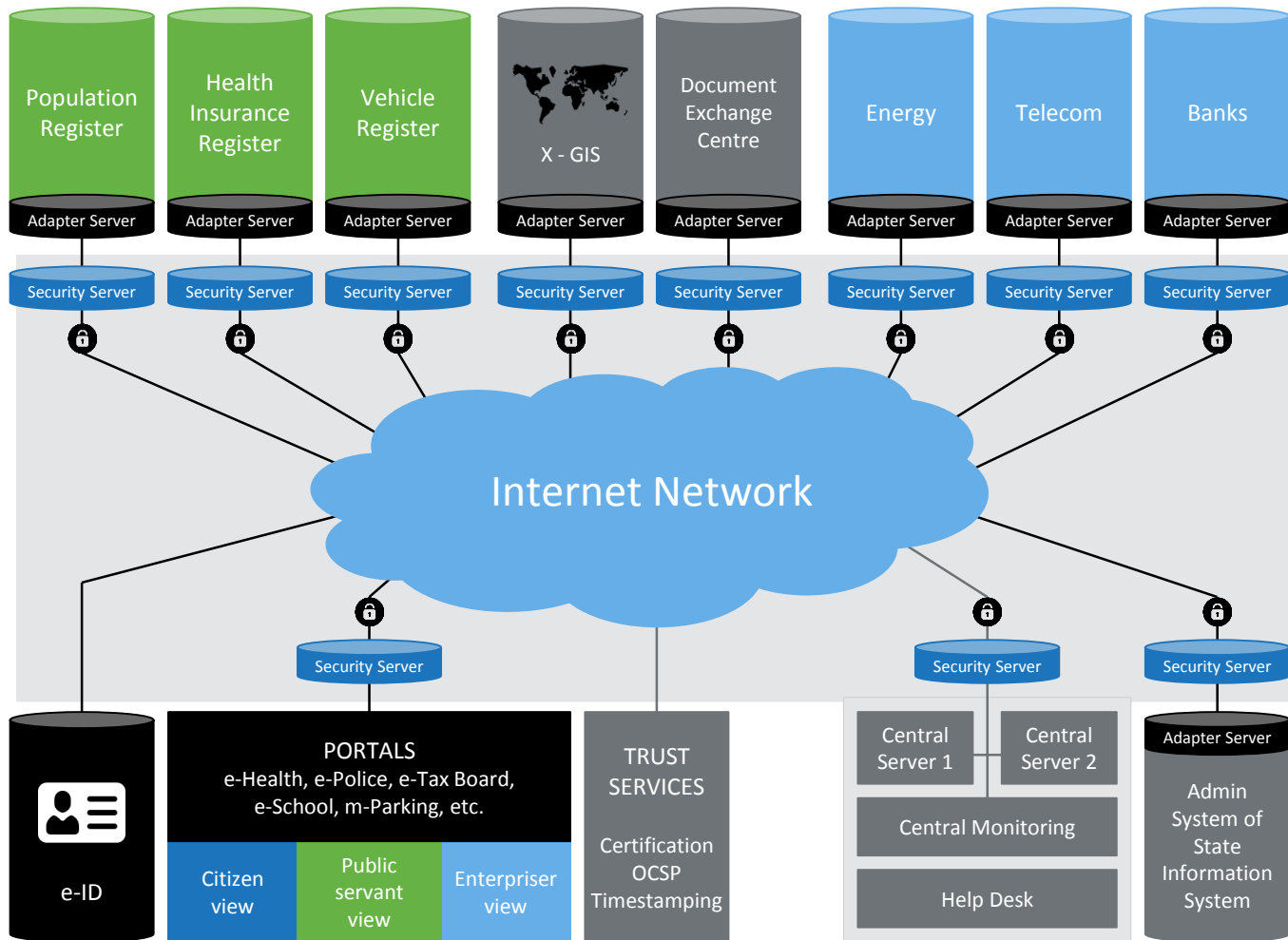


X-Road

Digital ID

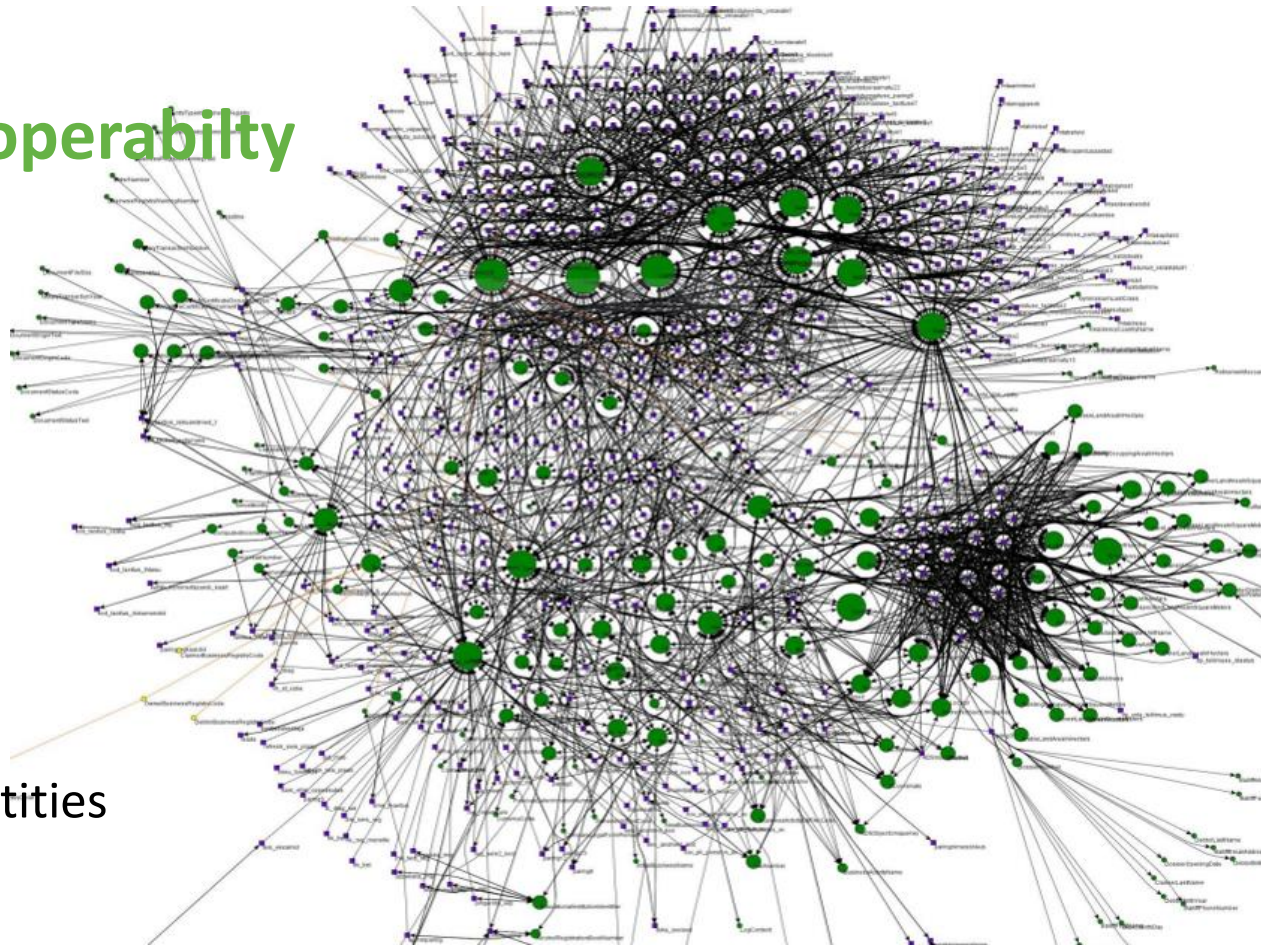


M-ID



Catalogue of interoperability solutions

600 information system descriptions
2500 service descriptions
40,000 data objects
650 code lists
over 900 organisational entities
1400 contact persons



Lessons learned

- Main challenge is in **organization and planning**, not the money or technology
- All **knowledge** should be **in the country** – can be supported by international experiences
- **Local ICT** business should be **supported** by Government. eGov is not academic issue
- Too strong focus on technology and project based actions
- Finance model and motivation is often weak
- eGov **methodology** might be **transferable**... not SW or HW
- **Impact** can be seen in 3-6 years – politicians are not motivated
- Driving forces are unclear
 - In Estonia, banks and business sector were driving force



Thank You !

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