Digital identity, once-only-principle and reducing administrative burden

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Estonia

Population: 1.3 million
Area: 45,339 km²
Currency: Euro
Member of: EU, NATO, WTO, OECD, DIGITAL 9

ICT sector: 7% of GDP, 4% of workforce
Development of e-Estonia

It has taken us 20 years since changing legislation and creating our first e-solutions *(some examples)*:

2000 – online e-Tax Board

2001 – X-road (secure data exchange layer)

2002 – electronic ID card and digital signature

2005 – i-voting

2008 – e-Health system

2010 – e-Prescriptions

2018 – cross-border e-Prescriptions *(with Finland)*
Principles of e-government

1) Once-only - Data is collected only once by one specific institution, no duplicate data and bureaucracy (no filing the same data for different public institutions several times)

2) Digital by default – All public services should be available also in digital format

3) Open internet - infrastructure works as an open source, there is no central database
Cornerstones of e-government

• Legislative basis
• **X-road** – highly secure interoperability framework that connects all main public sector registries and databases
• **Electronic ID** - enables citizens to use convenient, safe and fast e-services. It is used mainly to identify oneself electronically and give digital signatures
Ease of doing business

The cornerstones of Estonian economic growth are entrepreneurship and exports. The state has pared bureaucracy down to a bare minimum:

1) a few hours to start a company
2) hassle-free e-taxation
3) full automatisation in tax reporting by 2020
Reducing bureaucracy by e-government

1) Saving 1407 years of working time annually
2) Over 500 million digital signatures given
3) Over 900 million transactions per year
4) X-road connects 651 institutions and enterprises, including 504 public sector
5) 99% of state services available also digitally 24/7
6) 2% GDP savings through digital signature
Future developments

- zero-bureaucracy
- invisible services
- cross border digital governance
- real time economy

Memorandum of understanding between Greece and Estonia to cooperate on e-governance and ICT to minimise bureaucracy and combat corruption since 2011 – Let’s continue our cooperation!
Thank you!

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