

Overview of Estonian ICT policy coordination:

how to keep costs under control and still achieve the results?

Aet Rahe

My background

- Currently
 - head State Information Systems department @ Ministry of Economic Affairs and Communications
- Responsibilities
 - IT policy making (Digital Agenda 2020; Cyber Security Strategy 2017)
 - IT investment management
- Previously
 - Business Unit manager at the biggest software development house in Estonia - Nortal

Agenda

- Background of e-Estonia
 - Basic principles
 - Infrastructure cornerstones
- IT coordination mechanisms
 - implementing rules and guidelines
 - Keeping costs under control
- Licencing policy avoiding vendor lock-in
- What the future holds?
 - No Legacy Policy
 - E-residency

Going digital was not a choice





Digital Agenda for Estonia: General Objective

To create in Estonia the best environment for the uptake and creation of smart ICT solutions...

... in order to contribute to the economic growth and welfare of people

Preface: Basic Principles





BIG BROTHER JS

ESTONIAN WAY

Human-readable log of medical data

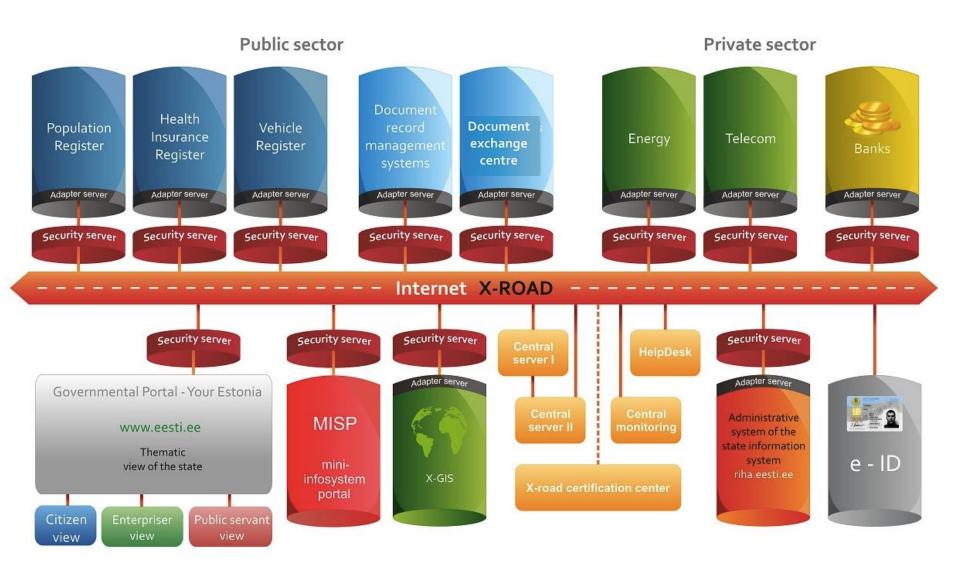
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27 veebruar 2015 12:11	ac69ebc6-dcd3-490d- 9e13-5a2e31633b69 (Dokumendi registreerimine)	Sirje Multram üldõendus N02011	Tallinna Koolitervishoid SA	
12 jaanuar 2015 15:01	612 (Dokumendi registreerimine)	taastusravi ja füsiaatria D03394	SPORDIMEDITSIINI SIHTASUTUS	
30 detsember 2014 00:32	(Päringud)	AET RAHE	Eesti E-Tervise SA	

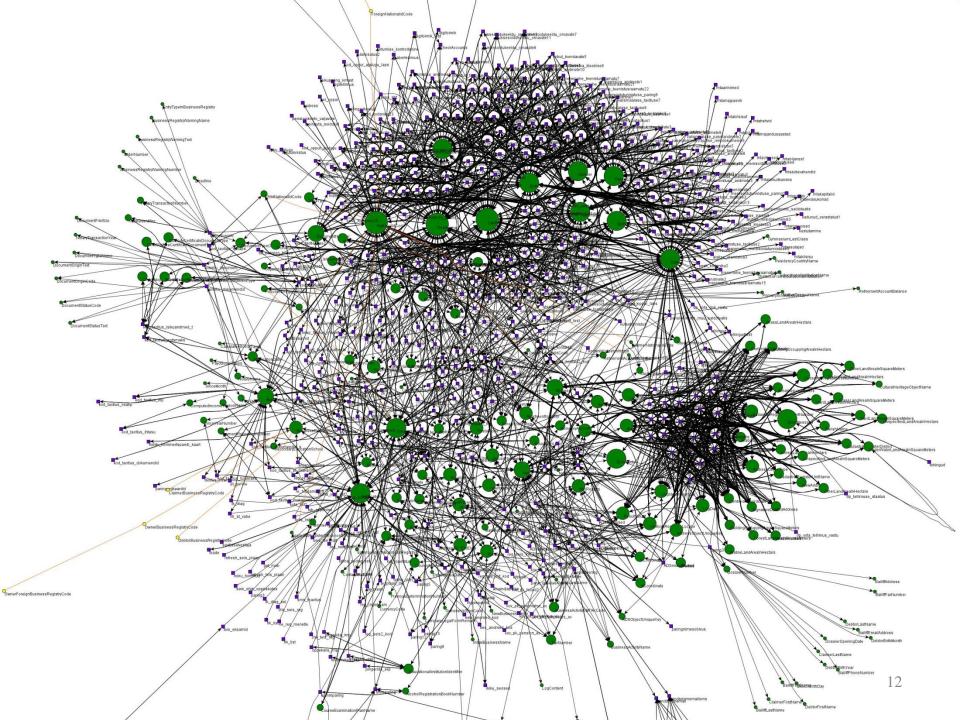
Coordination model

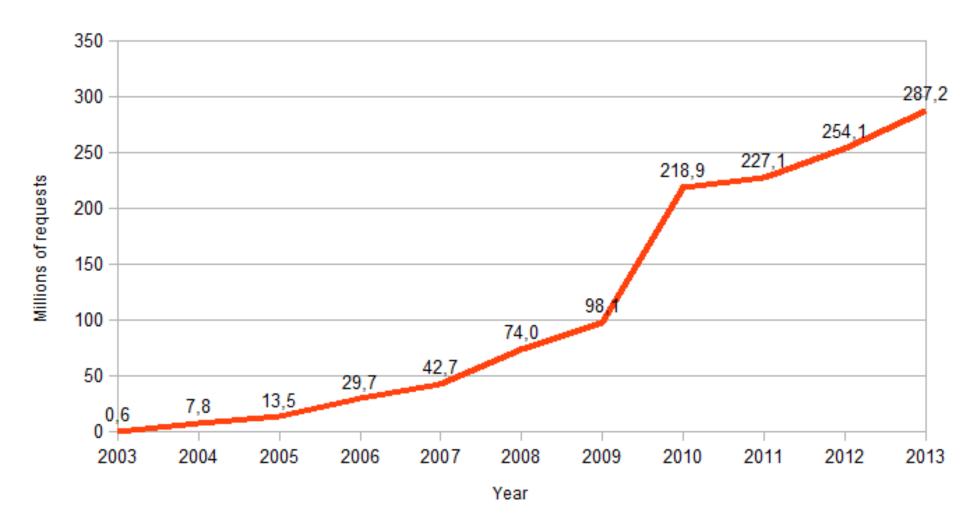
 Distributed architecture = every silo responsible for their own projects

- Central coordination and investment management - "Carrots and sticks"
 - guidelines, rules, trainings,
 - Investments as baby-steps
 - central infrastructure
 - cyber security

X-road







Open data vs x-road





Open Data X-Road

You are annoying!





Infrastructure: key points

- Shared in public and private sector
 - eID and digital signature, x-road

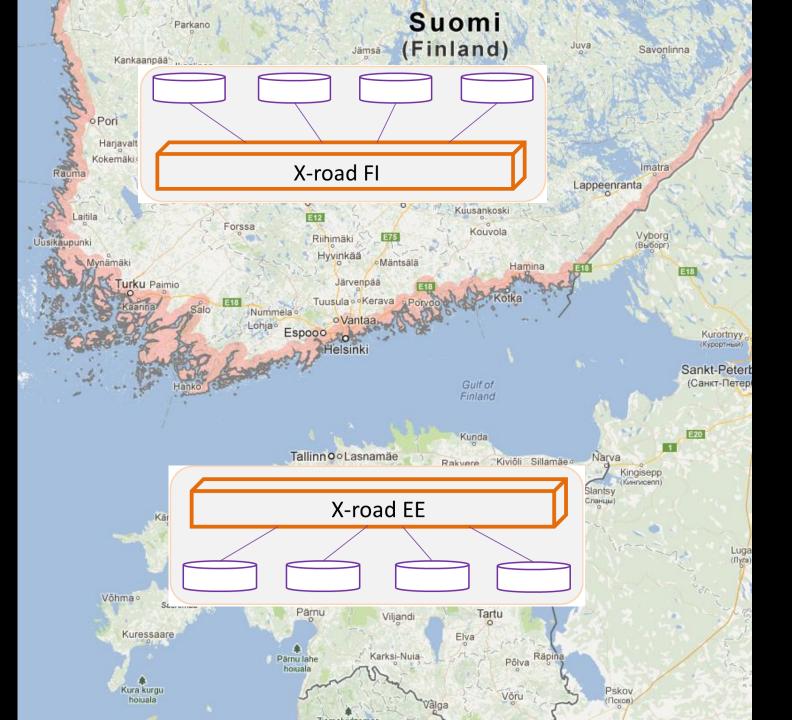
 Strong cooperation with private sector in implementation and awareness raising

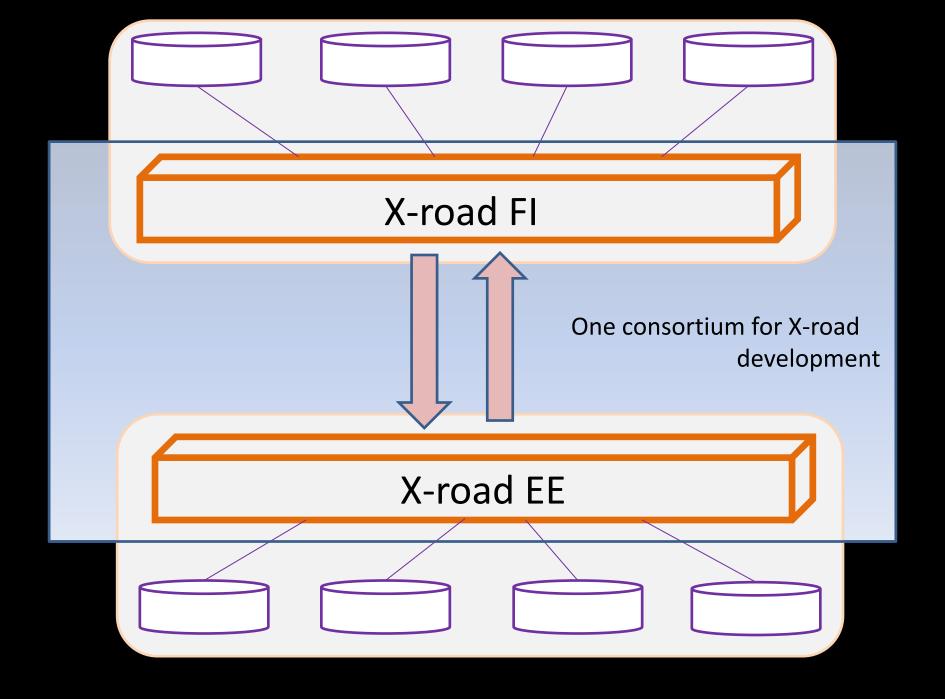
IP principles

- IP should be shared with private sector
 - Exceptions (exclusive license allowed): national defence,
 Basic infrastructure (eID, x-road, RIHA, etc.)
- Don't exclude commercial software, but...
- IP should be given out to all who are interested
 - Supporting additional business opportunities
 - Avoiding vendor lock-in
- Sharing government software with other countries

Nordic Institute







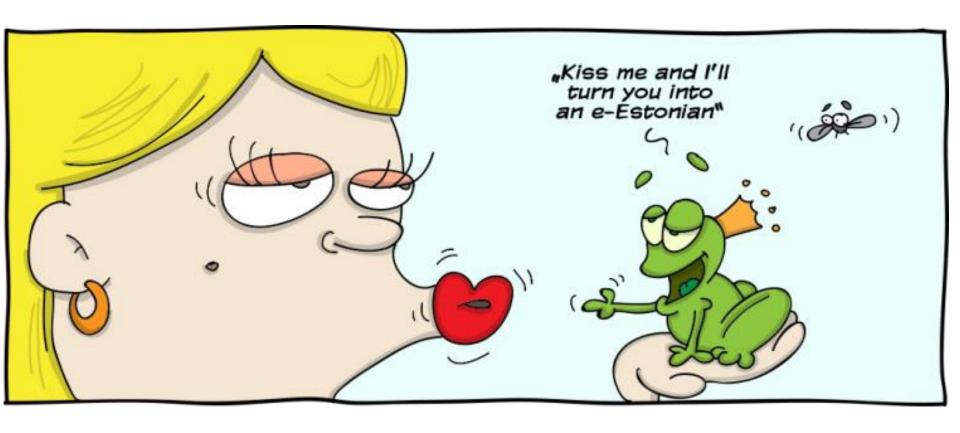
What the future holds?

No Legacy Policy



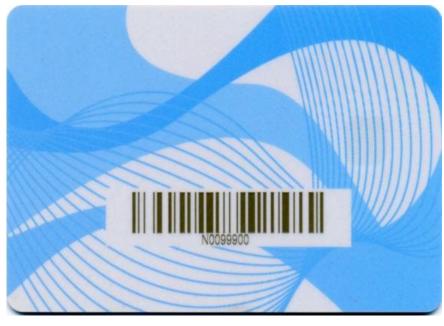


10 million Estonians?



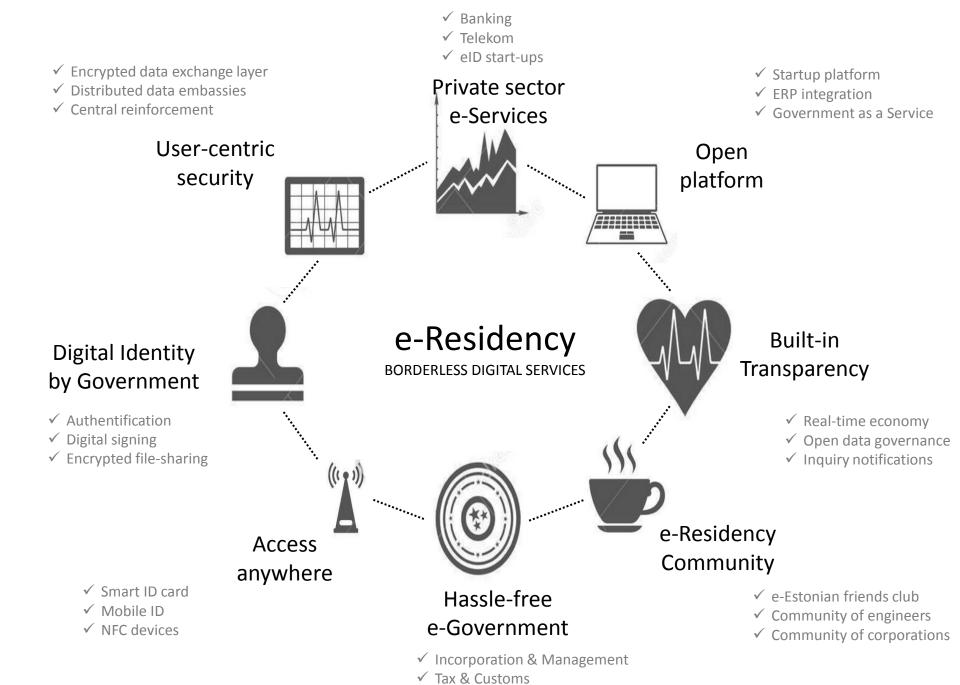
Digi-ID card for E-residents





About the intrest

- Issuing started 1.12.2014
- Pre-registration:
 - 5 000 pre-registered e-residents with first 24 hours
 - 18 000 in a waiting list (from 168 different countries)
- Over 2500 applications in first 6 months
- Main interests
 - Bringing business to Estonia
 - It's cool, early adopter of new technology
- Since may 2015 application process online
 - https://apply.e-estonia.com/



✓ Healthcare & Insurance

www.e-estonia.com

Go and check e-Estonia out yourself!



