e-Estonia: Building a digital society

Siim Sikkut
Government CIO of Estonia
siim.sikkut@mkm.ee
@sikkut
a modest country that extends beyond its borders

+ population: 1.3 million
+ area: 45,339 km²
+ currency: Euro
+ member of: EU, NATO, WTO, OECD, DIGITAL 5
+ ICT sector: 7% of GDP
Easiest life: only marriage, divorce and selling your house are not digital.

Yet.
ease of doing business

Simplest and fastest business environment.

+ a few hours to start a company
+ hassle-free e-taxation
+ all reporting done online
+ e-Residency — Estonian e-services to every world citizen / SME
health

The healthiest system.

+ digital health data
+ health insurance online
+ digital prescription just works
+ personalised medicine in the works
engaging

The safest way is to vote online.

+ 2005 — first in the world
+ 30% vote online
+ votes cast from 116 countries
+ saving over 10,000 working days
efficient

The biggest savings.

+ digital signature saves 2% of GDP per year
+ 50 times more efficient connected police
+ 1/3 less queues at the hospitals
+ best tax collector in the world

300 meters

A stack of paper saved each month
1. Platforms & tools
electronic ID

The strongest identity for life.

+ smart card + mobile-ID
+ travel
+ digital signing
+ i-voting
+ business, banking
+ state and healthcare
+ public transport
+ loyalty card
The busiest highway of e-Estonia — X-Road.

+ 99% of state services are online
+ over 900 connected organizations, databases
+ over 500 million transactions per year
+ saving 800 years annually
https://www.youtube.com/watch?v=b-r6B28qVSY
2. Rules as enablers
Transformation, not tech

Strongest principles

+ people own and control their data
+ once-only rule
+ trust-by-design
Action plan for life-event service design (15)

2020 (6)
- Name change (including marriage)
- Change of residence
- Retirement
- Death (Succession)
- Building of houses
- Disability

2019 (8)
- Driving licence
- Buying a car
- Child born
- Start of school
- School change
- Unemployment and job search
- Crime victim
- Military service

2018
- Starting a business

Target: 7 live by year 2020
+ Zero bureaucracy: invisible services
+ Push for micro- and platform services in architecture
+ Service integration with private sector
+ Cross-border interoperability
  (EU Digital Single Market)
estonia 2020-2021
Candidate for the UN Security Council

• Running for the first time
• Standing for 100+ small nations
• Bringing innovative mindset to UN system
• Supporting transparency & accountability
• Participating actively in joint efforts
• Focusing on 3E: equality, empathy, efficiency
• Elections in June 2019 — thanks for support!