Estonian ICT
Reducing administrative burden
Risto Hansen, ICT Demo Center
ESTONIA
Population: 1.3 Million
Size: 45 227 km²
Capital: Tallinn
Language: Estonian
Member of EU
Currency: Euro
GDP: 18,5 BEUR
ICT Demo Center NGO

Community of ICT companies promoting digital society, cooperation and wider usage of information and communication technology
Information society indicators
Information society indicators
100% of schools and government organizations are ICT equipped
Information society indicators
97% of businesses use computers
76% of families have computer at home
Information society indicators

Entire country is covered with a broadband 76% of homes have broadband
Three 3G and 4G networks
Free public WIFI areas
Internet access is a social right
Information society indicators
99,8 % of bank transfers are performed electronically
Information society indicators

95% of income tax declarations made via the e-Tax Board
31,4% of votes were cast over the internet on 2014
Information society indicators

95% of medication is bought with a digital prescription in 2013
Information society indicators
66% of the population participated in the census via internet
E-Identity
ID-card and Mobile-ID
ID-Card

• 2002 - introduction of national electronic ID-Card
• More than 93% of the population has one
• Compulsory for all residents
ID-Card contains:

- Information shown on the card
- Certificate for authentication (along with e-mail address Forename.Surname@eesti.ee)
- Certificate for digital signature
Mobile-ID
Introduced in 2007
Enables secure authentication and digital signatures via mobile phone
Security, Trust & Verification

KSI technology introduced in 2007

Provides Unbreakable and Undisputable Integrity

Preserves the long-term history of security events and important digital assets

Ensures, you don’t have to trust administrators to check the integrity of digital data
Some achievements

2000: Launch of e-Tax Board
2000: Launch of m-Parking
2003: Launch of ID bus ticket
2005: i-Voting was introduced
2007: Launch of e-Police system
2008: Launch of e-Health system
2010: Launch of e-Prescription
2013: X-Road Europe introduced
2013: Online Border-Crossing Queue System
How we got there?
1996: Tiger Leap Foundation to support ICT in schools
2001: Look@world starts to build 500 Public Internet Access Points
2009 & 2010
Computer courses for 10% of adult population under Look@world project
What is next?
EstWin:
2017: 100 Mbps Internet to every home
Using ID-Card as a loyalty card
- e-Receipt
- Official e-mail = physical address
- Mobile-ID + NFC
- Virtual resident
- Data Embassy
- Cross Border e-Services
Thank you!
e-estonia.com

Risto.Hansen@e-estonia.com