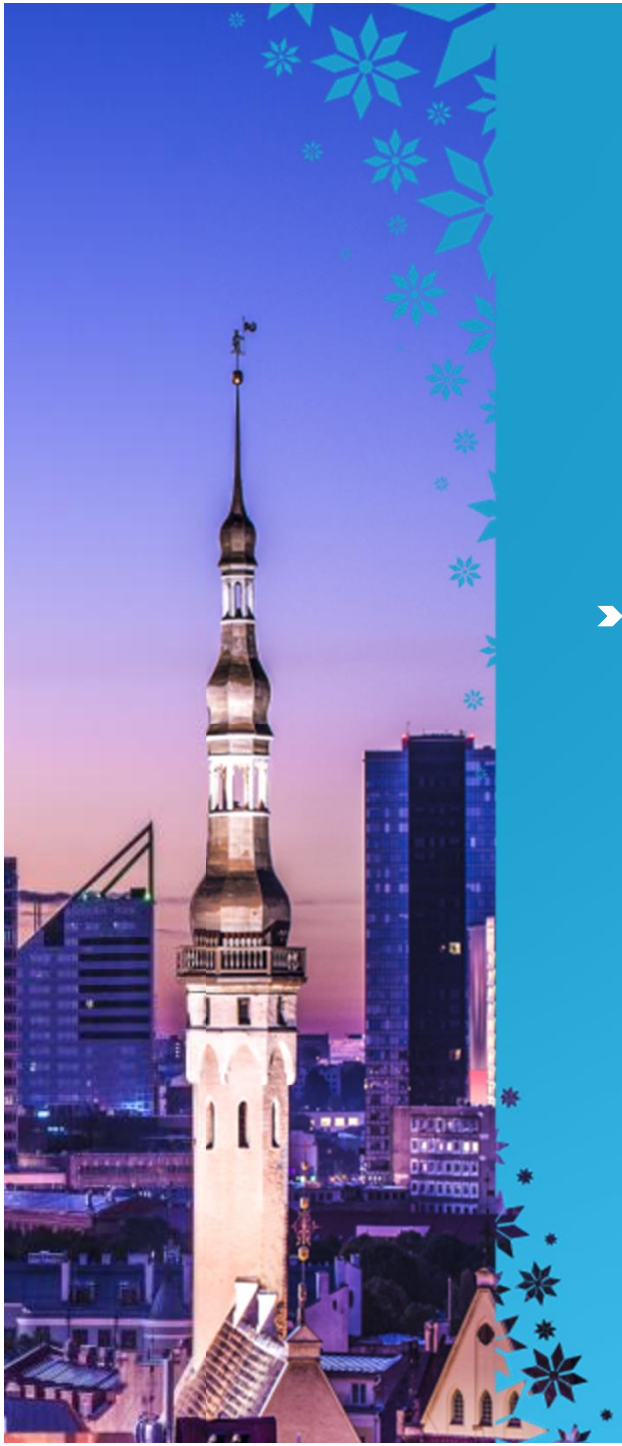

Estonian ICT

Reducing administrative burden

- Risto Hansen, ICT Demo Center

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The digital society

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

Community of ICT companies promoting digital society, cooperation and wider usage of information and communication technology

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guardtime
guardtime.com
ICEFIRE
ANDMEVARA
Eesti e-riigi edendaja
NORTAL
Helmes
CYBERNETICA
TECHNOPOLIS
ÜLEMISTE
aktors IT
EESTI POST
elisa
adcash
Advertising network
signwise
CLEVERON
TECHNOLOGY FOR LOGISTICS
SK
Columbus
Once you know how...
HireRight
TALLINN UNIVERSITY OF
TECHNOLOGY
NASDAQ OMX
GoSwift
QUEUE MANAGEMENT SERVICE
gemalto
security to be free
SpinTEK
Microsoft
TRUB
BALTIC AS
Elion
mobi
../dochouse
Santa Monica Networks
SeeMe
REAL SYSTEMS
Hi, I'm eKool
CISCO
HITSA
MAINOR
NET GROUP
Business class IT solutions
NOW!
INNOVATIONS
SCALEWIRELESS
DATEL
WHEN IT INSPIRES
skype

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Information society indicators

Information society indicators

100% of schools and government organizations are ICT equipped

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Information society indicators

97% of businesses use computers

76% of families have computer at home

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Information society indicators

Entire country is covered with a broadband 76% of homes have broadband

Three 3G and 4G networks

Free public WIFI areas

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Internet access
is a social right
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COME
TOEST
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Information society indicators

99,8 % of bank transfers are performed electronically

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Information society indicators

95% of income tax declarations made via the e-Tax Board

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Information society indicators

31,4% of votes were cast over the internet on 2014

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Information society indicators

95% of medication is bought with a digital prescription in 2013

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Information society indicators

66% of the population participated in the census via internet

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E-Identity

ID-card and Mobile-ID

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ID-Card

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

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ID-Card contains:

- Information shown on the card
- Certificate for authentication (along with e-mail address Forename.Surname@eesti.ee)
- Certificate for digital signature

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Mobile-ID
Introduced in 2007

Enables secure authentication and digital signatures via mobile phone

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Digital Signature

State Portal

e-Pension Account

Land Register

e-Banking

Business Register

i-Voting

Tax and Customs Board

ID-Ticket

e-Health

e-Police

Customer Self Service Portals

e-School

e-Border queue management

e-Invoice

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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

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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

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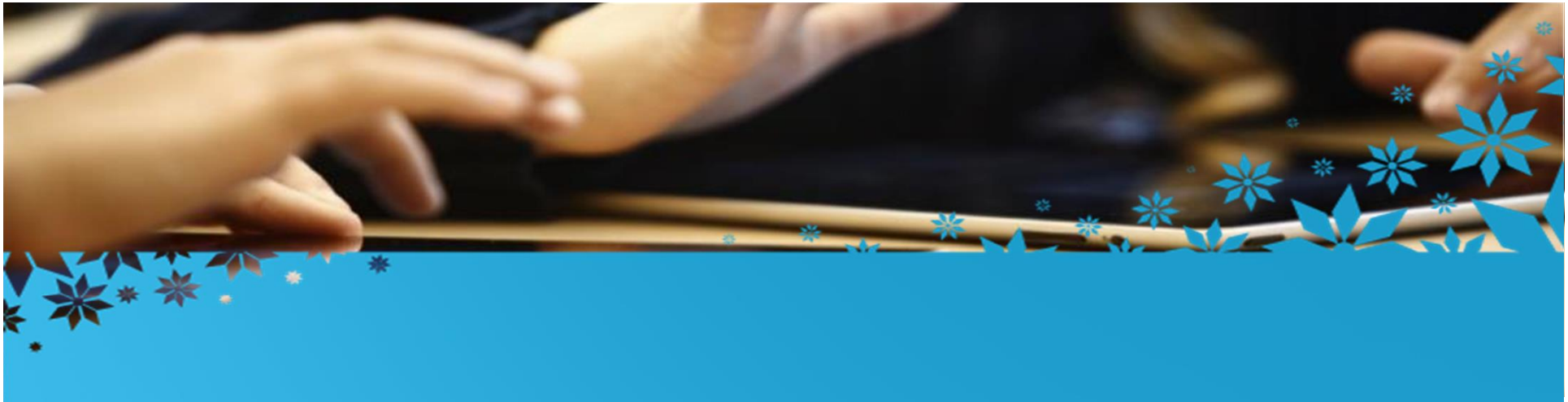
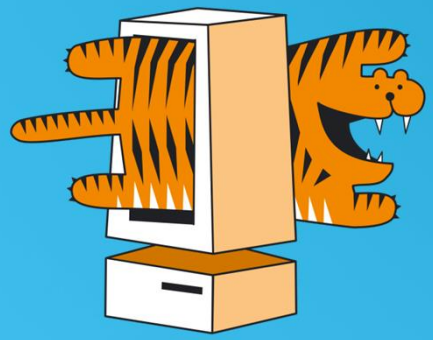
How we got there?





1996: Tiger Leap Foundation to support ICT in schools

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2001: Look@world starts to build 500 Public Internet Access Points

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2002
2009 & 2010
Computer courses for 10% of adult population under Look@world project
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What is next?

EstWin:
2017: 100 Mbps Internet
to every home
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Using ID-Card as a loyalty card

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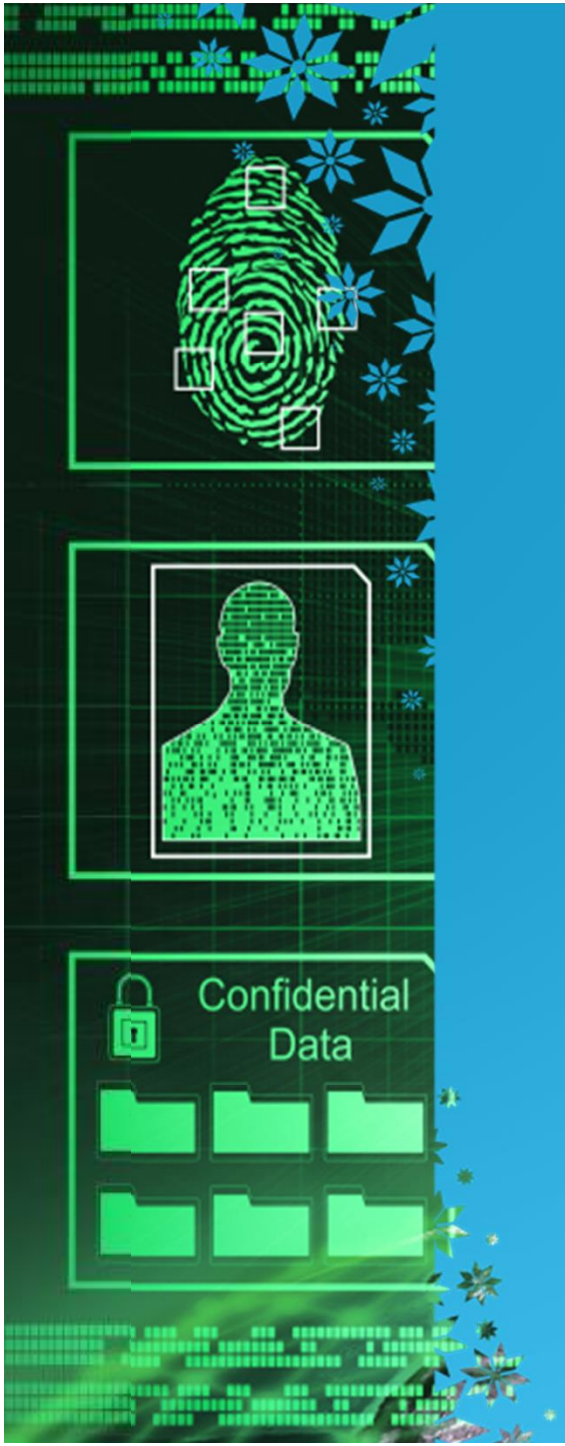

- e-Receipt
- Official e-mail = physical address
- Mobile-ID + NFC
- Virtual resident
- Data Embassy
- Cross Border e-Services

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Thank you!

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