



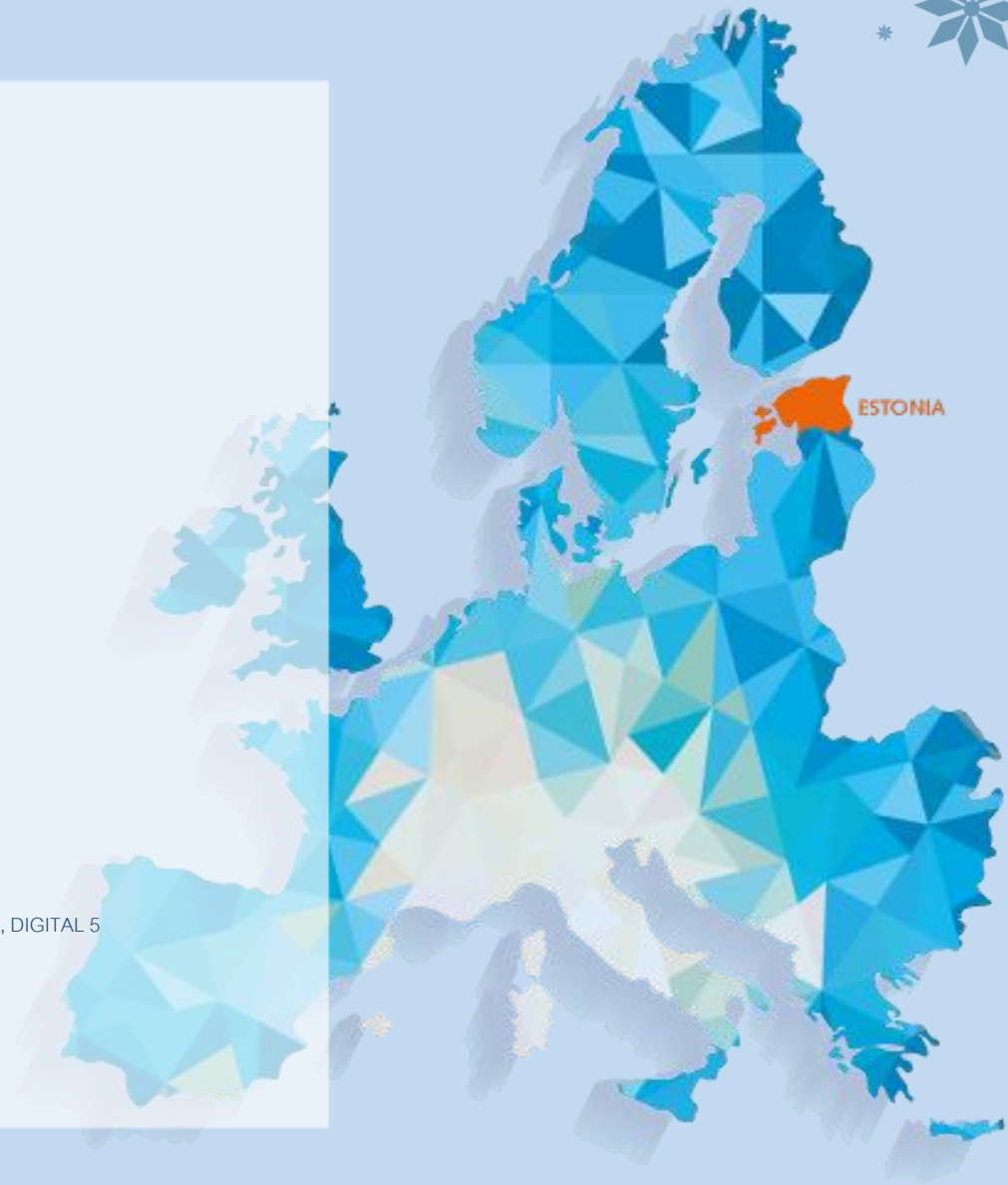
Anna Píperal, e-Estõnia Showroom





## ESTONIA IN FACTS

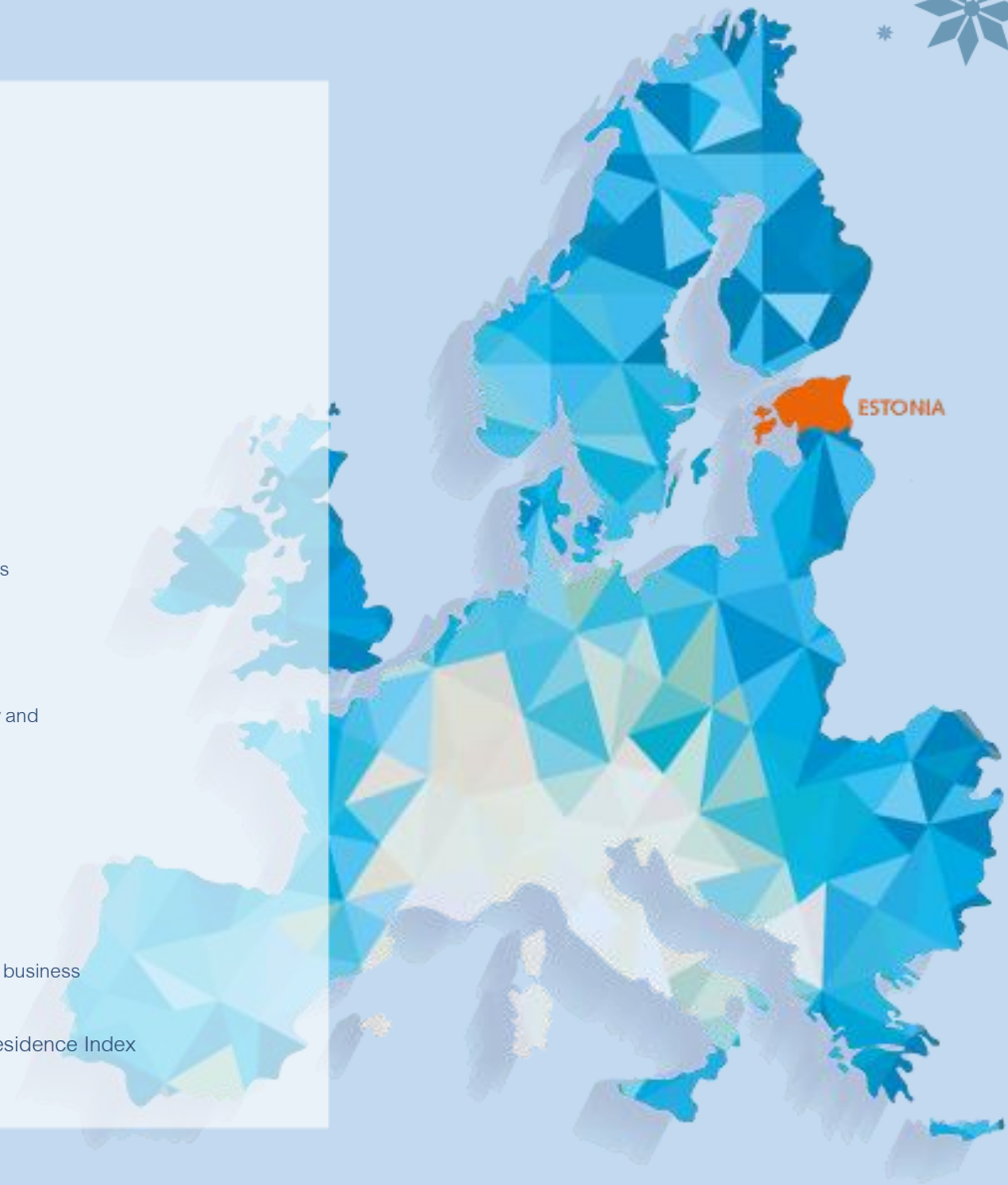
POPULATION	1.3 million
LANGUAGE	Estonian
SIZE	45 339 sq. km
CAPITAL CITY	Tallinn
CURRENCY	Euro
GOVERNMENT	Parliamentary democracy
MEMBER OF	European Union, NATO, WTO, OECD, DIGITAL 5
GDP PER CAPITA	25,9 bln USD
ICT SECTOR	7% of GDP





## ESTONIA IN FACTS

OECD	#1	Tax Competitiveness
Freedom House	#2	Internet Freedom
European Commission	#2	EU Digital Economy and Society Index
Freedom House	#9	Index of Economic Freedom
United Nations	#15	E-Government Index
World Bank	#16	Ease of doing business
World Economic Forum	#22	Networked Residence Index



# e-State

Redefining governance,  
simplifying life and business





# Empowering

Everything can be done online except for marriage, divorce and selling your house



ONCE-ONLY PRINCIPLE



NO LEGACY



DIGITAL BY DEFAULT



SINGLE POINT OF ENTRY



USER FRIENDLINESS



OMNI-CHANNEL SERVICES



OPEN STANDARTS



24/7



# Easy

e-Solutions simplify and benefit our lives.

E-CABINET: 5 HOUR MEETINGS TO 30 MIN

TAXES DECLARATION TAKES 3 MINUTES

99% OF STATE SERVICES AVAILABLE ONLINE

EASY BUSINESS IN 18 MINUTES

I- VOTING 30% COME ONLINE

BANKING IS ONLINE 99.8%

E-TAXES 98% ONLINE

PAPER-FREE ADMINISTRATION

INVISIBLE GOVERNANCE

E-PRESCRIPTIONS 99%



# Efficient

Time-efficient electronic solutions save money



DIGITAL SIGNATURE SAVES 2% OF GDP PER YEAR



50 TIMES MORE EFFICIENT POLICE



I-VOTING IS 2.5 TIMES CHEAPER



1/3 LESS QUEUES IN THE HOSPITALS



# Economical

State budget optimized



UK

20 bln EUR per year



Finland

2 bln EUR per year



Estonia

50 mln EUR per year

\*





# Everywhere

Internet is a social right

- ▲ Broadband in 88% of homes, 100 MB by 2018
- ▲ 3G, 4G cover the whole country, 5G pilot in 2018
- ▲ WIFI areas all around



# Engaging

It all relies on collaboration through  
engagement





# Expert

## Estonian ICT sector building the e-state







# (r)Evolution

The story of Estonia





e-Tax Board



m-Parking



e-School



Digital  
Signature



ID Card



i-Voting

2000

2001

2002

2003

2005

2007



Population  
Registry



X-road



ID bus ticket



e-Land Registry



Mobile-ID



Keyless Signature  
Infrastructure



e-Police system





e-Health system



Smart Grid



X-Road Europe

2008

2010

2011

2012

2013

2014



e-Prescription



Country-wide  
EV quick  
charging  
Network



e-Residency



Data Embassy



# e-Identity

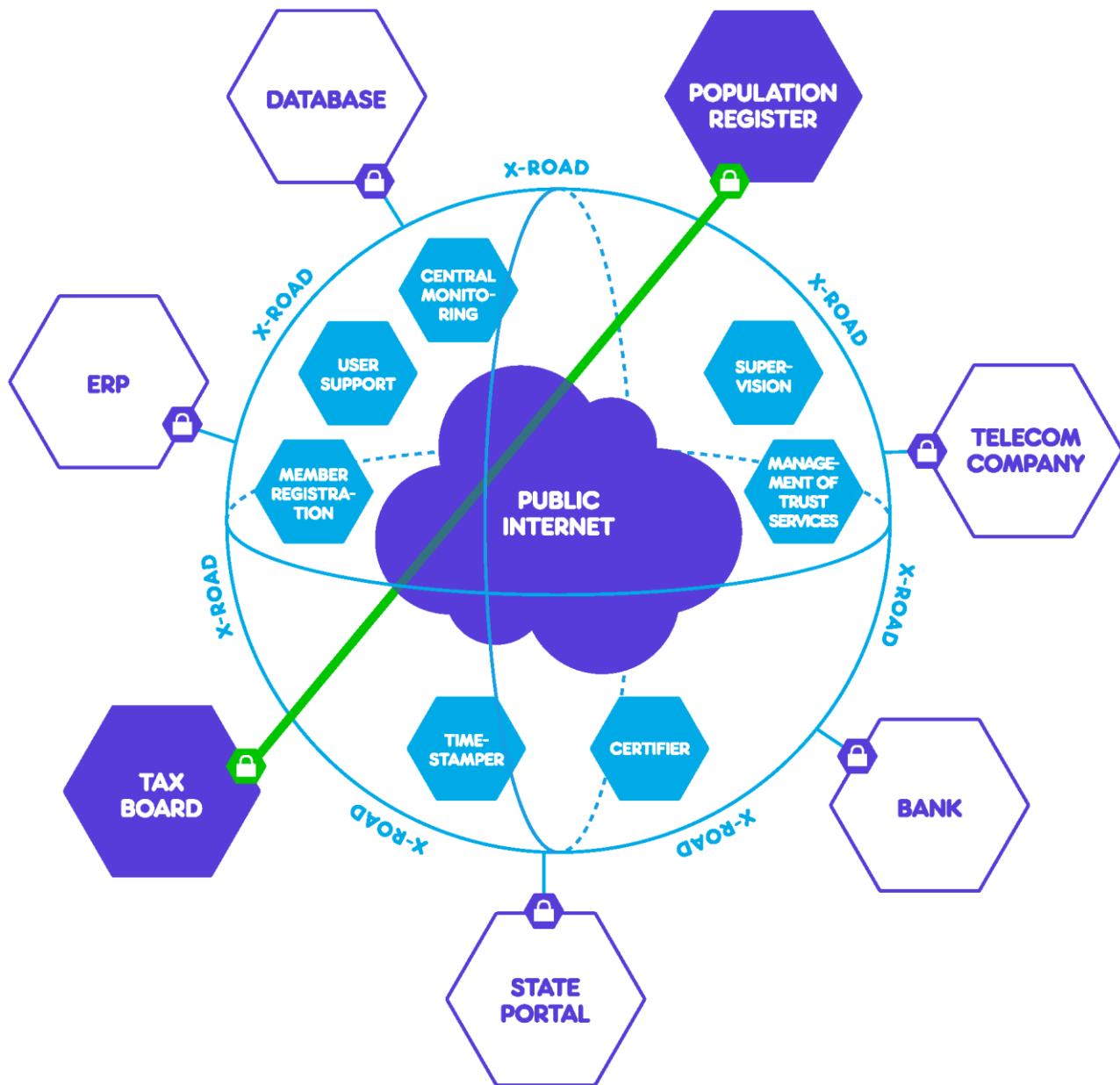
It all relies on collaboration through engagement.

ID-card penetration is over 94%

Mobile-ID

- |                   |                   |
|-------------------|-------------------|
| IDENTIFICATION    | VOTING            |
| TRAVELLING        | BUSINESS, BANKING |
| DIGITAL SIGNATURE | DRIVING LICENSE   |
| STATE SERVICES    | PUBLIC TRANSPORT  |
| HEALTHCARE        | LOYALTY CARD      |





**X-ROAD**



# Endangerment

Technology is never perfect.

-  CYBER THREATS
-  DATA PROTECTION
-  RIGHT BALANCE

\*

# Security Model

## Confidentiality

ID-card Mobile-ID

Preventing the disclosure of information to unauthorized individuals or systems.

## Availability

X-ROAD

Making sure that the computing systems, the security controls, and the communication channels are functioning correctly.

## Integrity

KSI Blockchain

Maintaining and assuring the accuracy and consistency of systems and data.



# Egalitarianism



E-LAW



DATA SECURITY AND PROTECTION



PUBLIC AND OPEN DATA ACCESS



TRANSPARENCY



E-INCLUSION



E-PARTICIPATION





# Environment

Creating conditions for growth and innovation



# #EstonianMafia

Think globally, act locally.

SKYPE

TRANSFERWISE

GRABCAD

LINGVIST

JOBITICAL



# e-Residency

Become an e-Resident like 10 000 others

Over 450 new companies established in 1 year!



[e-Estonia.com](https://e-Estonia.com)  
The Digital Society





# Epoch

The future starts with E



SMART CITY

X-ROAD THROUGH EUROPE

E-RESIDENCY

INVISIBLE GOVERNMENT

CROSS-BORDER COOPERATION

REAL-TIME ECONOMY

INDUSTRY 4.0

DATA EMBASSY



# e-Era

The future is a start-up project.



[e-Estonia.com](http://e-Estonia.com)  
The Digital Society





THANK YOU!

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The Digital Society

