



 UNIVERSITY OF TARTU

e-Estonia

HELEN EENMAA-DIMITRIEVA

FGV Direito Rio, Brazil
University of Tartu, Estonia

itlaw.ut.ee

Supportive Environment for eGovernance

- Public support
- NGO support
- Government willingness
- Technologically thinking and educated people
- Good legislation
- High appreciation of openness
- Trust

Principle from Change Management

Change happens only when

- On the individual level – one has a **negative affect** and
- On the organizational (e.g governance) level – when the organization needs to change because there is **absolutely no other option**



Foundations of (our) eGovernance

One ID number for each person

2-factor identification

Once only principle

No legacy policy

Data is registered and stored at the location where it is created

Data exchange within the government institutions (X road)

Availability of log files

You own your data

Using Blockchain in Estonia

[Keyless Signature Infrastructure](#) (KSI) blockchain technology (created by Guardtime) lies at the foundation of Estonia's digital society since 2007

Ensures the integrity of systems and data and by that

- Empowers Citizens
- Creates Government Accountability
- Provides Long-term Data Integrity

Another thought

We often think of **confidentiality** (of data) as a guarantee for our privacy and security.

But what if we instead think of

- the **integrity of data** and
 - the **ability to monitor and control the use of our data**
- as guarantees for our privacy and security.

E-Resident

A physical person who has received the e-resident's digital identity (smart ID-card) from the Republic of Estonia. This will not entail full legal residency or citizenship or right of entry to Estonia.



Benefits of e-Resident

e-File / e-Law / e-Business Register / e-Land Register / e-Notary

- Digitally sign documents and contracts. Verify the authenticity of signed documents. Encrypt and transmit documents securely
- Establish an Estonian company online within a day. Administer the company from anywhere in the world
- Conduct e-banking and remote money transfers. Access online payment service providers
- Declare Estonian taxes online



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Thank you!

HELEN EENMAA-DIMITRIEVA

Founder of the IT Law Programme and the Center for the Information Society, University of Tartu, Estonia

Postdoctoral Research Fellow, FGV Direito Rio, Brazil

www.linkedin.com/in/heleneenmaa

helen.eenmaa@gmail.com



Questions

1. **Should privacy and security online be provided via private or public legal mechanisms?**
2. **What should be the (technical/legal) measures to foster trust towards the governments?**
3. **Is it fine to organize society via code?**



- 1 supporting the public sector as leader of the eGov transition**
- 1 supporting the private sector as leader of the eGov transition**
- 1 suggesting legal tools to foster trust in eGov**
- 1 suggesting tech tools to foster trust in eGov**
- 1 supporting the advantages of organising society via code**
- 1 stressing the risks of organising society via code**