



REPUBLIC OF ESTONIA
INFORMATION SYSTEM AUTHORITY

Estonian Cyber Security System and Cooperation with Finland

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Estonian digital enablers

- High per capita cost of public services
 - Unfavorable geographic location
 - All demographic ailments of the Western world
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- Trust & cooperation between stakeholders
 - PPP projects
 - Critical competences
 - Security by design



The Foundation



- **Authentication** of people in digital environment + **digital signature** – **eID**



- **Secure/standardized** identification and **data exchange** of information systems – **X-Road**

Competences

- Educational institutions
 - Private sector
 - Public Sector
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- Highly institutionalised cooperation
 - Lack of resources
 - Not enough output

Collective brain

- Strong community
- Exercises
- International cooperation



KÜBERKAITSELIIT
ESTONIAN CYBER DEFENCE LEAGUE



CCDCOE

NATO Cooperative Cyber Defence
Centre of Excellence Tallinn, Estonia

Future

- Collective brain
 - Policy
 - Vital Service Providers
 - Population (Hygiene)
- Developing new technologies
 - Use of new technologies
 - Education
 - Export

Digital ecosystem spans borders

- Same neighbourhood
- Finnish government has decided to implement X-Road as “palveluväylä”
- Cooperation between Estonia and Finland:
 - Know-how sharing and consultation
 - Development of core components
 - Creation of cross-border service environment
- Cyber Security?





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Thank You!