



Estonian Cybersecurity Ecosystem

Kaisa Lindenburg

Cybersecurity Community Coordinator





NECESSARY SERVICES

- Portals of the Health and Welfare IT Systems Centre
- Proactive government services
- Source code repository
- Environmental portal
- Environmental register

ESSENTIAL SERVICES

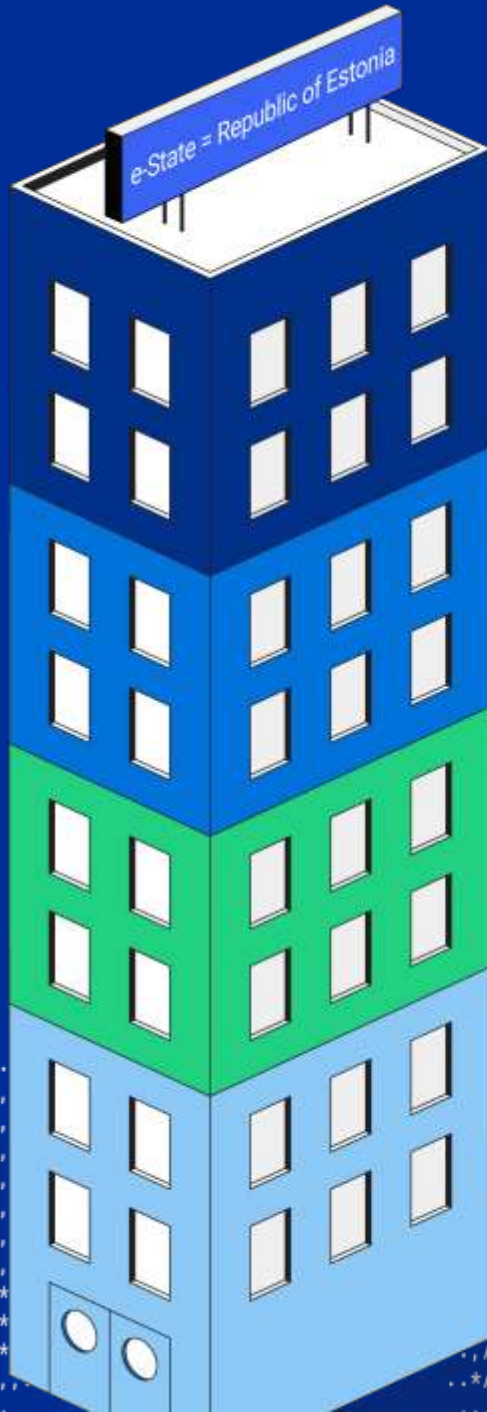
- Data management of the Information Technology Centre of the Ministry of the Environment
- State Portal
- Management of the information security standard
- Services feeding to tax liabilities
- EELIS – Estonian Nature Information System
- Working Life Portal

CRITICAL SERVICES

- e-File
- Land Register
- Commercial Register
- State Gazette
- Land catastre
- e-State Treasury information system
- Register of taxable persons
- Population register
- Personal identity documents register
- State Pension Insurance register
- State Authentication Service (TARA)

UNDERLYING SERVICES

- X-tee
- State Network
- Electronic identity (eID)
- Cyber security



REMITK
IT Center of the Ministry of Regional Affairs and Agriculture
Ministry of Regional Affairs and Agriculture

RIK
Center of Registers and Information Systems
Ministry of Justice and Digital Affairs, Government Office, Prosecutor's Office, Prisons, courts

TEHIK
Health and Welfare Information System center
Ministry of Social Affairs, Health Board, Social Insurance Board

RMIT
IT Center of the Ministry of Finance
Ministry of Finance, Ministry of Culture, Statistics Estonia, Tax and Customs Board

RIT
Information and Communication Technology Center
Hosting services management of servers, Computer workstation services

KEMIT
Information Technology Center of the Ministry of Climate
Ministry of Climate, Environmental Board, Land Board

SMIT
IT and Development Center of the Ministry of Interior
Rescue Board, Emergency Response Center, Police and Border Guard

RIA
Information System Authority
Ensuring the infrastructure services for the e-State, Ensuring cybersecurity, EU CyberNet, Special projects





REPUBLIC OF ESTONIA
INFORMATION SYSTEM AUTHORITY



REPUBLIC OF ESTONIA
GOVERNMENT



CCDCOE
NATO COOPERATIVE
CYBER DEFENCE
CENTRE OF EXCELLENCE

Government Security Committee

Cyber Security Council

- Locked Shields
- Crossed Swords
- CyCon



REPUBLIC OF ESTONIA
MINISTRY OF THE INTERIOR



REPUBLIC OF ESTONIA
MINISTRY OF JUSTICE
AND DIGITAL AFFAIRS



REPUBLIC OF ESTONIA
MINISTRY OF DEFENCE



REPUBLIC OF ESTONIA
MINISTRY OF FOREIGN AFFAIRS



REPUBLIC OF ESTONIA
POLICE AND BORDER GUARD BOARD

PPA C3

Crime prevention
Crime investigation



REPUBLIC OF ESTONIA
INTERNAL SECURITY SERVICE

KAPO

Counterintelligence
Investigation of national security incidents



RIA

CERT-EE

Protection of critical infrastructure
Information Security Standard
Supervision
Prevention and Analysis
R&D Coordination



REPUBLIC OF ESTONIA
MINISTRY OF DEFENCE

Cyber Command

CIRC of the Armed Forces



REPUBLIC OF ESTONIA
FOREIGN INTELLIGENCE SERVICE

Foreign Intelligence Service

Protection of secret networks



Diplomacy

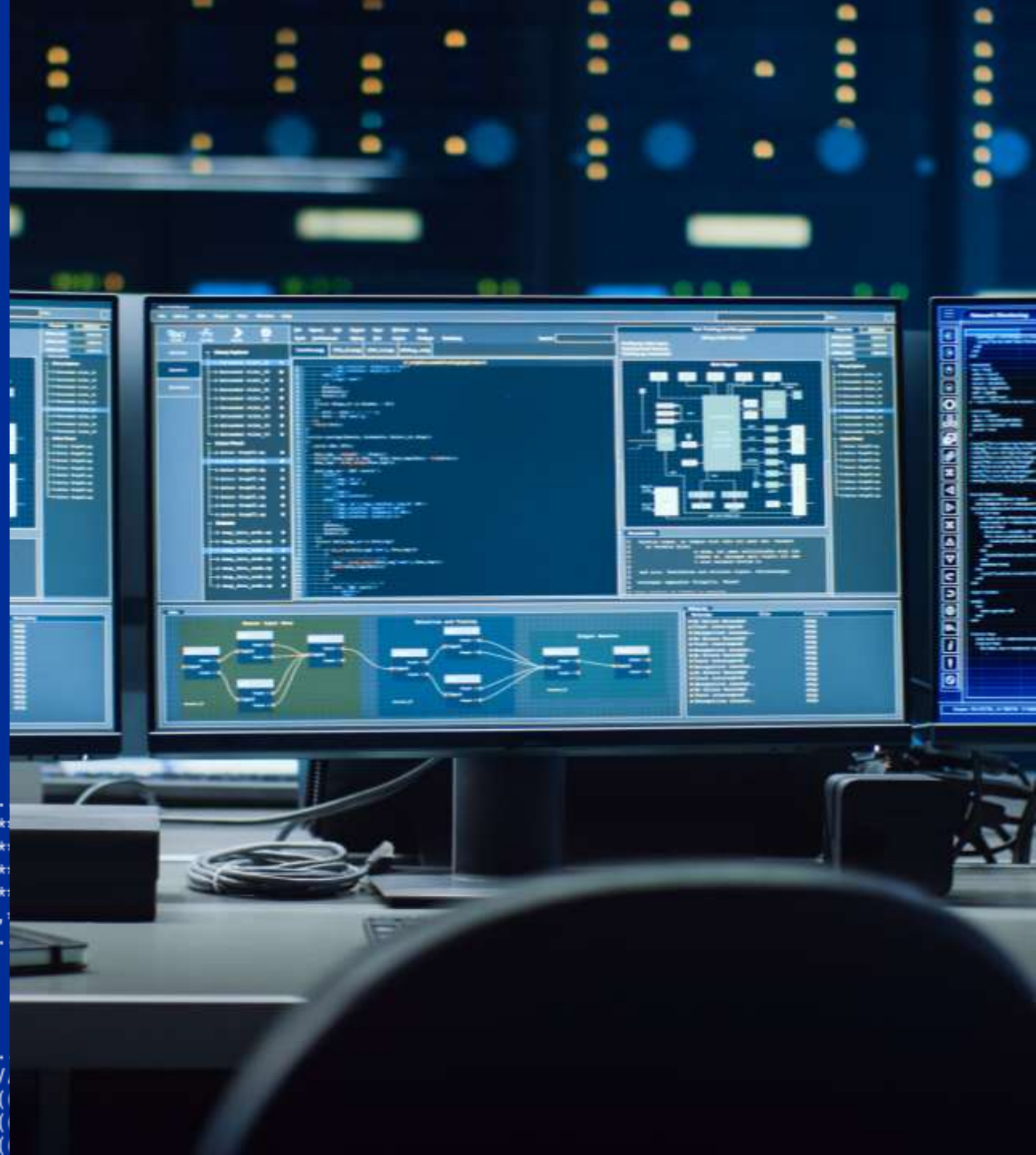
Cyber diplomacy



CERT-EE

Incident handling

- Incident resolution and consultations
- Implementation of protective measures and service to state authorities
- International co-operation
- Red teaming
- **Community focus:** Technical cyber expert in Estonia and the international CERT community (MatterMost)





Cyber defence of critical infrastructure

- Sectoral exchange of information and dissemination of information on threats
- Cyber defence courses, trainings, information days for the providers of vital and essential services
- Security testing of critical infrastructure; consultations
- Crisis management and RIA Cyber Reserve (3 layers: Information System Authority, Governmental IT Centres, Estonian Defence League's Cyber Command)
- **Community focus:** critical infrastructure





E-ITS, the Estonian Information Security Standard

- Foundation for handling information security
- In Estonian
- Compliant with the Estonian legal system.
- All organisations performing public duties must implement the new standard
- Companies can use the Estonian information security standard to achieve their information security goals
- It is possible to choose between implementing baseline security or risk-based security
- www.eits.ria.ee
- **Community focus: 3500 public sector institutions as well as private companies of Estonia.**



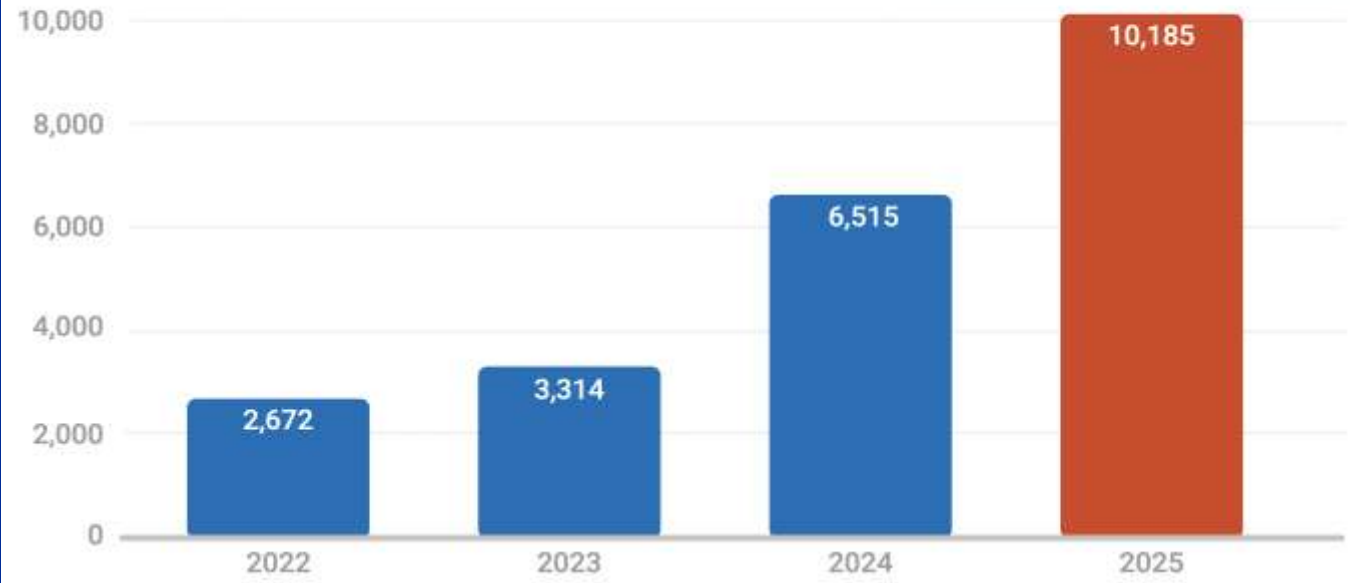


Analysis and Prevention Department

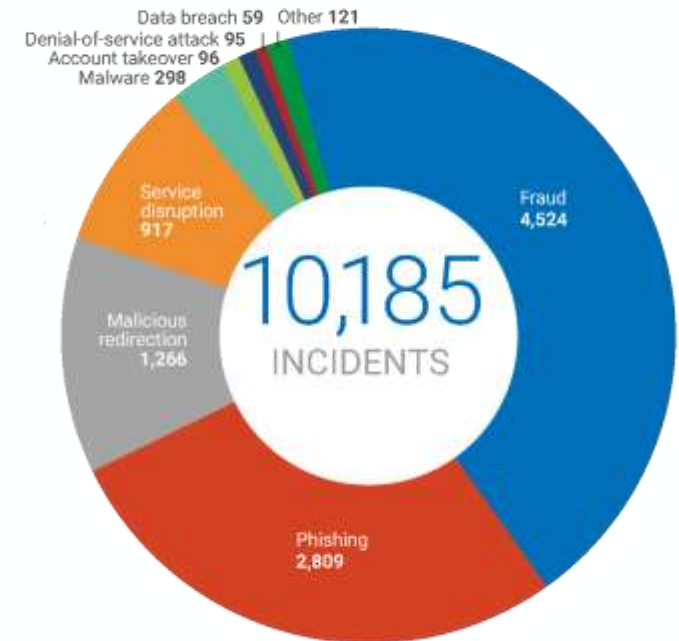
- A day in Estonian cyberspace
- Weekly overview and monthly summary
- Cyber security yearbook
- Threat assessments (Russia, China, Iran)
- Prevention campaigns and studies
- Itvaatlik.ee
- Cyber test (compulsory in many public agencies)
- **Community focus:** academic institutions, public authority organisations and the general public

NUMBER OF INCIDENTS WITH AN IMPACT

...on a rising trend



INCIDENTS WITH IMPACT IN 2025





REPUBLIC OF ESTONIA
INFORMATION SYSTEM AUTHORITY



CYBER SECURITY
IN ESTONIA

2026

Cyber Security in Estonia 2026



<https://www.ria.ee/en/cyber-security-estonia-2026>



EU CyberNet

EU cyber capacity building network (Phase II)

Strengthen the global delivery, coordination and coherence of the EU's external cyber capacity-building projects

Reinforce EU's capacity to provide technical assistance to partner countries in the areas of cybersecurity and countering cybercrime

PHASE II (Sep 2025 – August 2028)

1. Build **communities** for **EU external cyber capacity building** (CCB)
2. Provide CCB **expertise and training** service for the EU and other partners
3. Gather and share **CCB information** and **knowledge**
4. **Strengthen cyber resilience** of states and societies in **the Indo-Pacific**

Implementers:



REPUBLIC OF ESTONIA
INFORMATION SYSTEM AUTHORITY

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

Advisory Board members:



Federal Foreign Office



LHC
Luxembourg House
of Cybersecurity

National Cyber
and Information
Security Agency



TRAFICOM
Finnish Transport and Communications Agency



Funded by
the European Union

Managed by the Service for Foreign Policy Instruments



Research and development Coordination(NCC-EE)

- Advising, training, engaging and connecting the community (RIA CyberMeetUp, Connect4Cyber)
- Developing education and research
- **Horizon projects:** CHES (ending 2026), Secure-Net, QARC
- **60K-100K Innovation Funding** – Estonian cybersecurity companies can apply for innovation funding to develop new or improve existing products and services in cooperation with research and development institutions – Enterprise Estonia
- Financial support through **Cyber Accelerator** – Tehnopol Startup Incubator



**ELEVATE YOUR
STARTUP GROWTH
AT CYBER ACCELERATOR
60 000€
per team**



**SECURE
THE WORLD**

APPLY



REPUBLIC OF ESTONIA
INFORMATION SYSTEM AUTHORITY



ECCC
EUROPEAN CYBERSECURITY
COMPETENCE CENTRE



CyberWizards – Edition 4

International summer camp for girls who are 13-16 years old

No previous experience in cybersecurity is required

From 3rd to 8th of August in Estonia

International groups are welcomed to join

<https://www.ria.ee/en/cyberwizards-2026>

Tiina.pau@ria.ee





Education, Research and business development community



- Education: Taltech, University of Tartu Computer Science Institute, vocational schools with cybersecurity modules
- Research: Cybernetica, Taltech, Guardtime, University of Tartu Computer Science Institute, RIA and others
- Ministry of Foreign Affairs – digital and cyber diplomacy as well as economic diplomacy (Supporting role: Estonian embassies and Enterprise Estonia)
- ITL – Estonian Association of Information Technology and Telecommunications (130 members and 22 in the CyberTech cluster)





Thank You!

