



MINISTRY OF FINANCE

Digital Security in the Finnish Public Sector

Aku Hilve, Senior Ministerial Adviser, Head of Unit

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“Finland is a leading expert in cybersecurity. In fact, we should be calling you pretty soon. You do do a fantastic job with cybersecurity, and I congratulate you.”

Topics

- Roles and Responsibilities
- Cooperation model
- International benchmarks
- Ongoing development



Digital security – Roles and responsibilities

Corner stones & Cultural aspects in Finnish Society



- Openness of government
- Consensus seeking
 - Cooperation between ministries and government agencies and also with private sector is crucial for success
- Political support for ICT utilization, eGovernment, eDemocracy,...
 - The past Governments have set clear goals for public sector ICT
 - PM Sipilä's Government: Digitalisation is high on the Government's agenda
- Basic registers well defined and widely used
 - Foundation for a number of digital public services

Roles and responsibilities

Constitution of Finland:

”The exercise of public powers shall be based on an Act.
In all public activity, the law shall be strictly observed.”

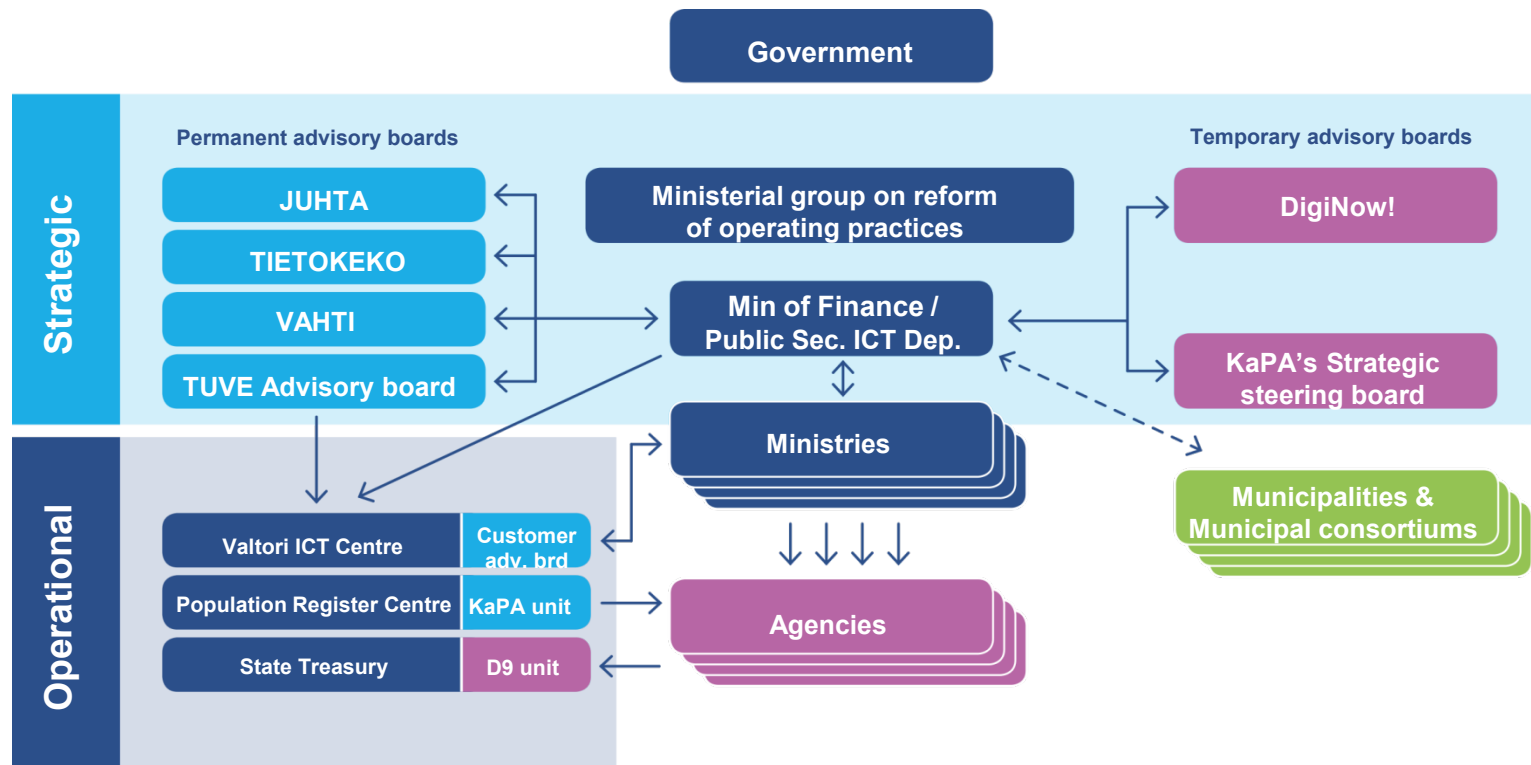


Main tasks and roles

Authority / <i>Cooperation body</i>	Ministry	Main role
<i>Public Sector Digital Security Management Board, VAHTI</i>	MoF	Public sector digital security (information and cybersecurity, privacy, ICT-preparedness)
Digital security services	MoF	Public sector digisecurity services by Population Registry
NSA (National Security Authority)	MFA	Supervising and monitoring of handling international classified information. Agreements
National Cyber Security Center	MoTC	Cybersecurity situational awareness, GovCERT, CERT
National Communications Security Authority NCSA-FI	MoTC	Assessment of authorities' information systems and telecommunications arrangements
Police, Cyber Crime Center	HO	Cyber crime prevention and intelligence
Defence Forces, Cyber Defence Center	MoD	Cyber defense and intelligence
Gov. Situation Center	PMO	Situational awareness. Open source intelligence
<i>Virtual Incident Response Team</i>	MoF	Response co-op. to large and complex cyber anomalies and incidents
<i>Security Committee</i>	MoD	Comprehensive Security in society
Data Protection Ombudsman	MoJ	Personal data protection (incl. GDPR)

Cooperation model

Key Actors of Digitalisation in the Finnish Government



What is Steering?

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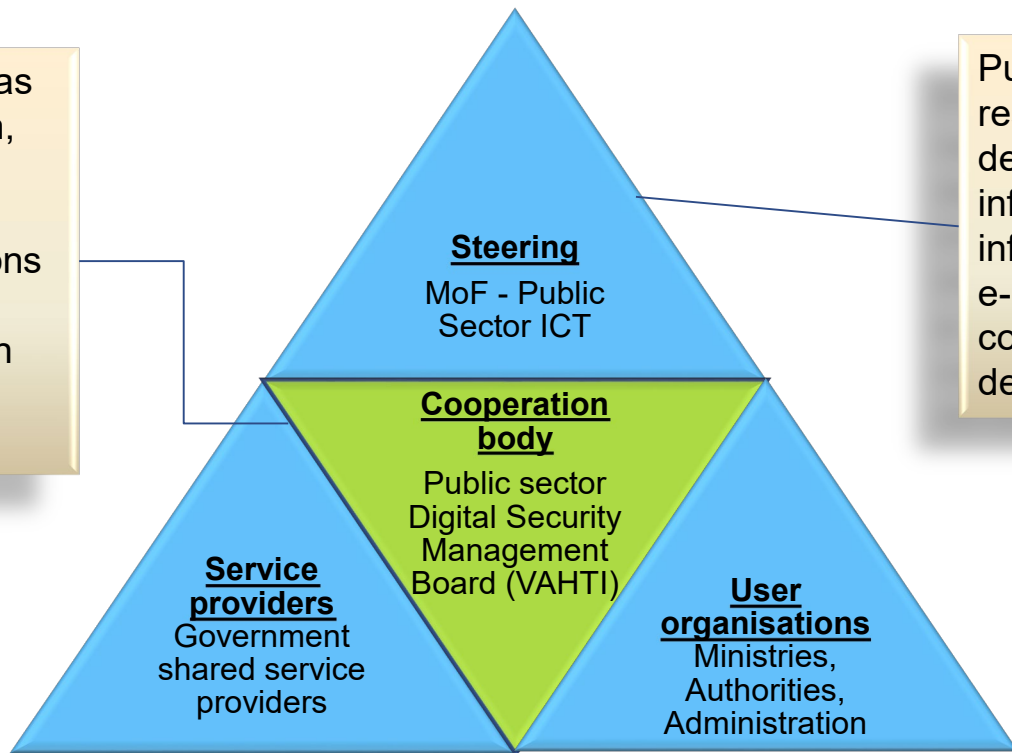
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Cooperation model for digital security

The VAHTI Board acts as an body for cooperation, preparation and coordination among government organizations in charge of developing and steering information security and data protection.



Public sector ICT dept. is responsible for the overall development of information security, information management, e-Government and for the coordination of joint development projects.

Where do we stand?
-Benchmark



“Finland is a leading expert in cybersecurity. In fact, we should be calling you pretty soon. You do do a fantastic job with cybersecurity, and I congratulate you.”

Rank ▲	Country	National Cyber Security Index		Digital Development Level		Difference
1.	 Estonia	88.31	<div><div></div></div>	79.27	<div><div></div></div>	9.04
2.	 France	83.12	<div><div></div></div>	79.06	<div><div></div></div>	4.06
3.	 Germany	83.12	<div><div></div></div>	81.95	<div><div></div></div>	1.17
4.	 Slovakia	80.52	<div><div></div></div>	66.73	<div><div></div></div>	13.79
5.	 Singapore	80.52	<div><div></div></div>	83.11	<div><div></div></div>	-2.59
6.	 Finland	79.22	<div><div></div></div>	82.26	<div><div></div></div>	-3.04
7.	 Lithuania	77.92	<div><div></div></div>	70.95	<div><div></div></div>	6.97
8.	 Spain	77.92	<div><div></div></div>	73.24	<div><div></div></div>	4.68
9.	 United Kingdom	75.32	<div><div></div></div>	83.96	<div><div></div></div>	-8.64
10.	 Czech Republic	74.03	<div><div></div></div>	69.37	<div><div></div></div>	4.66

What Are We up to Now and Next?
-Development

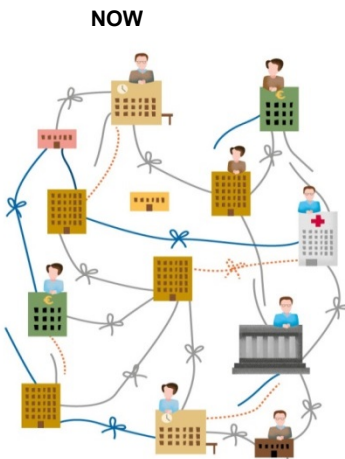
Information Flows Free but Secured

Transformation of information management

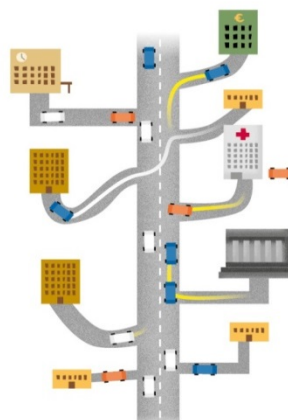
Authorities as data controllers

Regulation in detail

Use of data is regulated and licensed in detail



FUTURE



→ In the future information flows according to the needs of the citizen as a customer and according to the service delivery. People have better means in controlling their personal data.

Interoperability

Data exchange

Once only

My Data

General legal principles and rules as guidelines



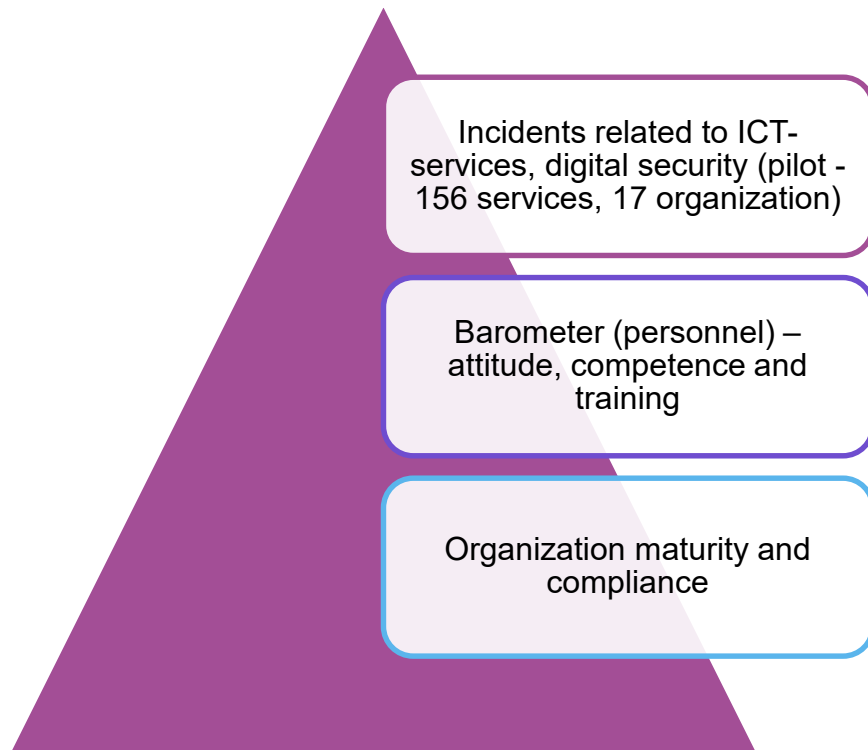
Population Register Centre – from 1.1.2020: Digital and Population Data Services Agency (Finnish Digital Agency)



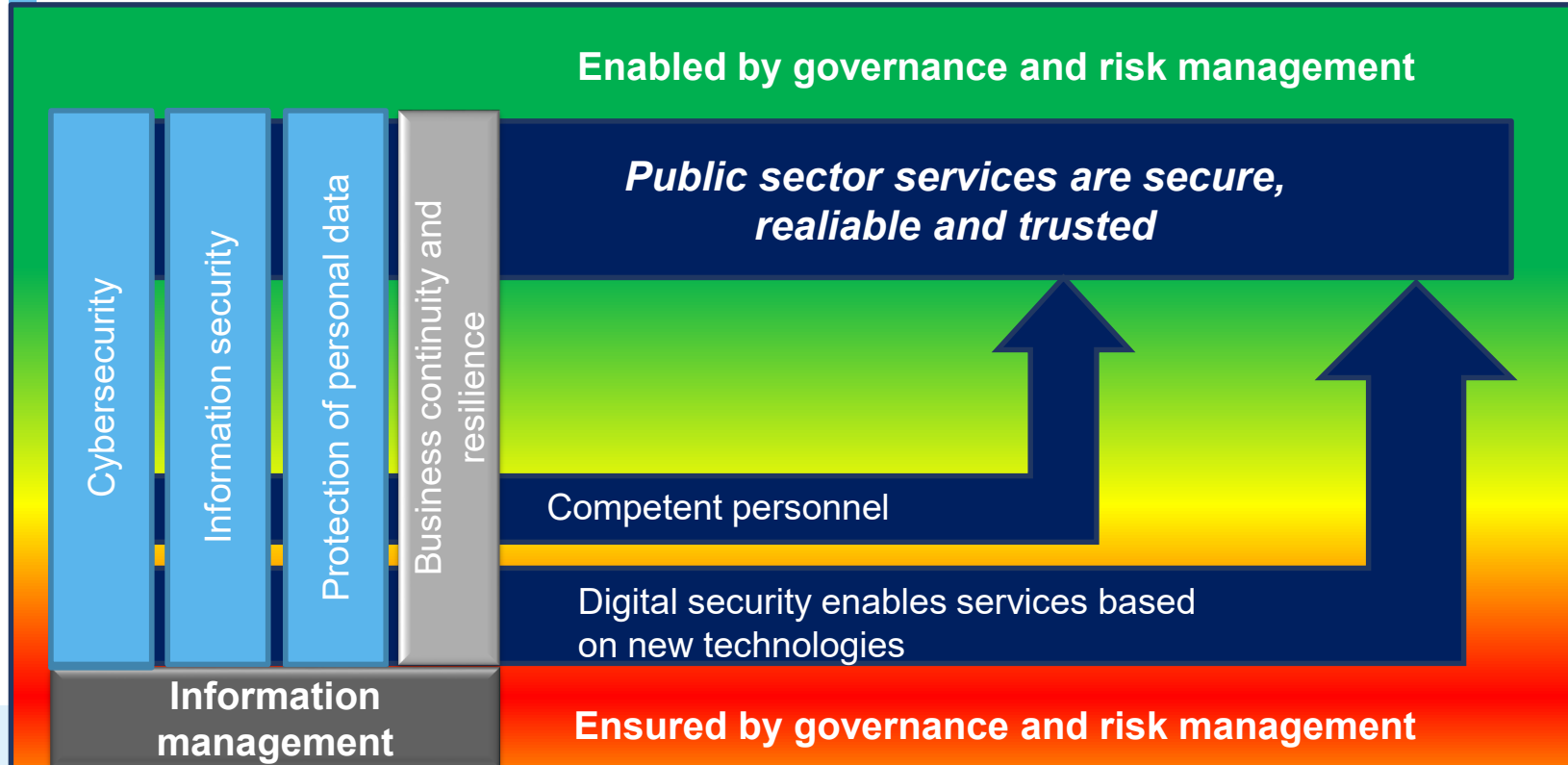
- Digital security services
 - Consulting and auditing services for governmental organisations available, procurement process for services to public sector in progress
- VAHTI-management board operational support
 - Guides, materials, seminars and training
 - Awareness campaigning - November – part of European Cybersecurity month (ECSM)
 - Projects and programmes for digital security
- Co-operation with Cyber Security Center
 - GovCERT-services



Digital security metrics



Digital Security Development Programme for Public Sector 2019-2022





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Aku Hilve

Aku.Hilve@vm.fi



@hilve



<https://www.linkedin.com/in/hilve/>

