



**ESTONIAN ICT CLUSTER**

# Estonian clusters – through Estonian ICT Cluster example

[www.e-estoni.ax.com](http://www.e-estoni.ax.com)

[https://www.itl.ee/estonian\\_ict\\_cluster](https://www.itl.ee/estonian_ict_cluster)

# Estonian Clusters policy

- In period 2014-2020 support to the clusters through special cluster program (EU funds) 8,5 MEUR;
- 10 clusters are supported by the national program;
- Support can be 50% from the total budget;
- There are no active plan to support clusters in next period in Estonia;
- Clusters are mainly in close connection with associations;
- For sustainability Estonian clusters have to have clear financial model with various services and funders.

# Estonian ICT Cluster

- We help countries and organizations achieve world-class digital societies!
- We are a collaboration platform for enterprises, created to boost the development of new products and solutions and foster their export to the international market.

# Estonian ICT Cluster

**2009**

formation  
of the  
cluster

**35**

markets in  
2019

**61%**

of  
the total  
sales in the  
ICT sector

**102**

partners

**5,9 MEUR**

5 years  
investment  
through project

# Estonian ICT Cluster core competences

e-Government Solutions

Intelligent Transport Systems

e-Industry (Industry 4.0)



# What we offer to cluster partners



## Internationalisation

To raise awareness of Estonia as the source country for ICT solutions, and to support cluster partners' export activities



## Cooperation

To increase the usage of ICT in other economical sectors, through cooperation across different areas and development of innovative products and services



## Workforce development

To increase the international competitiveness of cluster partners through improvement of relevant knowledge, skills and competences



**ESTONIAN ICT CLUSTER**

Our main success is – joint branding  
and collaboration under that



Estonian  
ICT Companies  
References

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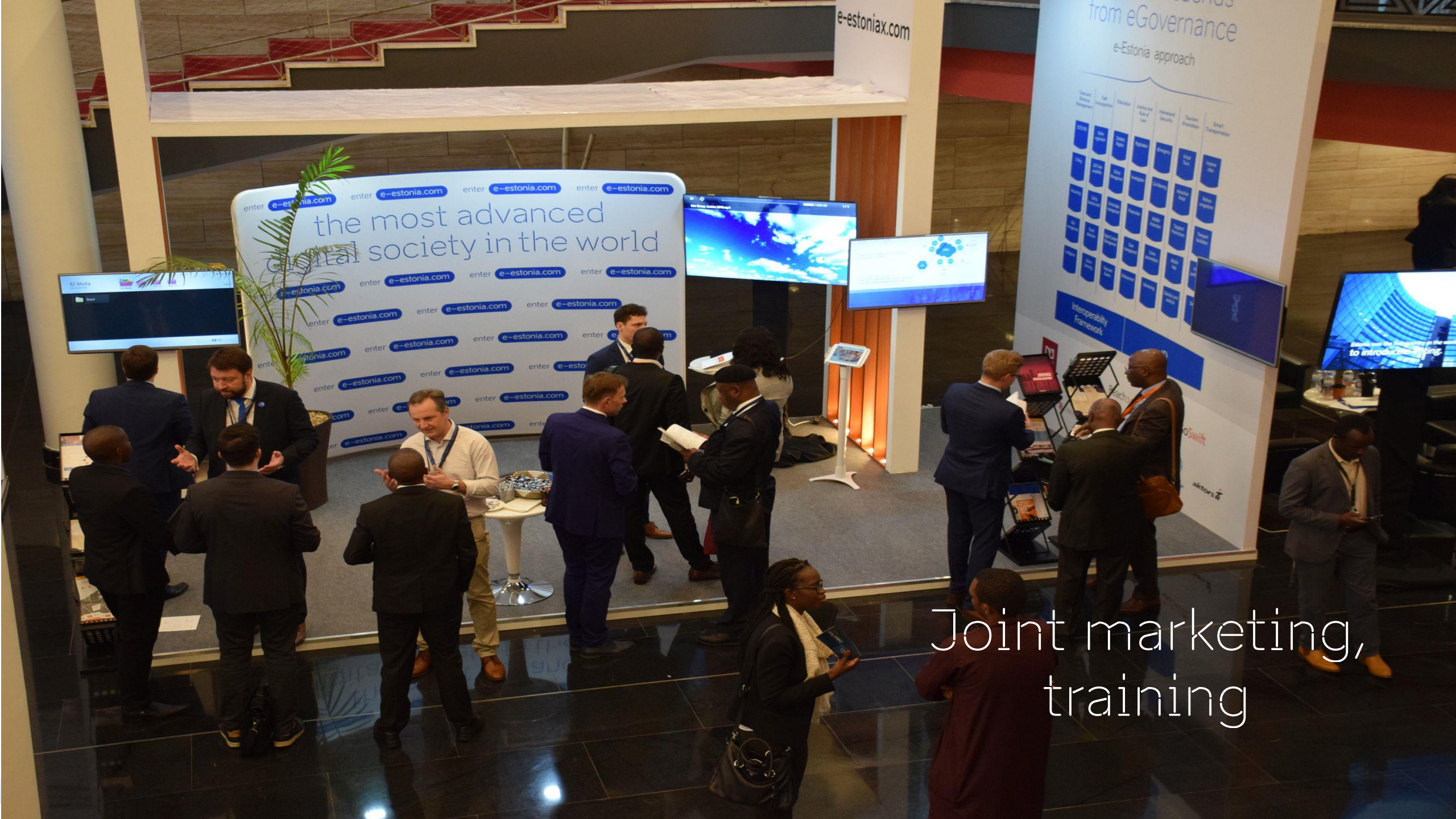
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## HOW A SECURE DIGITAL SOCIETY CAN HELP MITIGATE THE COVID-19 CRISIS

During the COVID-19 crisis, we have seen how the e-Governance ecosystem existing in Estonia has ensured us the continuity and sustainability of the public sector services for citizens and enterprises. Through that, it has been proven how e-Governance can have a demonstrable and tangible impact on improving citizen participation and quality of life as a result of effective multi-stakeholder partnerships. Fully integrated public services are the way to build up the most secure digital society and overcome the crisis that we are facing today.

### E-GOVERNANCE ECOSYSTEM FOR BUILDING UP A SECURE DIGITAL SOCIETY

It is important to keep in mind that in order to build up an e-Governance ecosystem, appropriate policy frameworks and legislative bases need to be developed by the governments. Here is a list of digital solutions that a modern society should possess and that help to ensure sustainable governance processes during any crisis:



#### PRIMARY REGISTRIES AND DIGITIZED FUNC- TIONS OF THE STATE:

- **Civil registry** — database of all citizens and residents with rights and limitations to provide government services
- **Business registry** — fast incorporation helps to develop the business environment and increase FDI due to easier access to the market and helps to continue secure processes between enterprises and the government
- **Property registry** — general data like size, owners, restrictions and mortgages of immovable properties can all be managed online
- **e-Customs** — to enable smooth processing of goods coming into and leaving a country
- **e-Taxation** — to enhance government revenue as a result of automatic tax collection
- **Public finance management** — administration and supervision of the government and public sector spending
- **Law enforcement and justice** — develop digital access and management of courts to deliver efficient and paperless Rule of Law and accelerate contract enforcement to attract new businesses

- **Unemployment insurance registry** — almost fully automated applying for the unemployment insurance benefit and unemployment allowance; respective decisions confirmed with a digital stamp that has equal legal power to a physical signature
- **Fisheries management system** — electronic data on fishing opportunities, licenses etc. and reporting to ensure contact-free and sustainable fishing and simplified fishing surveillance



#### ENABLERS OF SECURE E-GOVERNANCE:

- **Data exchange infrastructure** — a data exchange system where a country's e-service databases, both in public and private sector, link up and operate in harmony; it allows 24/7 secure Internet-based data exchange between information systems
- **e-ID** — functions as definite proof of ID in an electronic environment; it provides secure digital access to electronic services on a governmental, business and/or personal level; mobile versions are the quickest to launch during a crisis
- **Data integrity** — blockchain technology in government databases to make sure networks, systems and data are free of compromise, all while retaining 100% data privacy
- **Data privacy** — privacy enhancing technologies to allow for the sharing and secondary use of special categories of personal data (e.g. healthcare data)

A photograph of a large crowd at a concert or festival. In the foreground, two hands are raised and positioned to form a heart shape. Other hands in the background are also raised, some forming smaller heart shapes. The scene is illuminated by bright, warm stage lights, creating a hazy, atmospheric effect. The text is overlaid on the upper left portion of the image.

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