enter e-Estonia
the coolest digital society
our highest ratings

1. BERTELSMANN FOUNDATION 2019
digital health index

2. WORLD ECONOMIC FORUM 2017
entrepreneurial activity

3. CEPS 2019
Index of readiness for
digital lifelong learning

4. FREEDOM HOUSE 2019
internet freedom

5. EUROPEAN COMMISSION 2019
EU digital economy
and society index (DESI)

6. WORLD ECONOMIC FORUM 2019
mobile broadband
subscriptions

7. ITU 2018
global cybersecurity
index

8. HERITAGE FOUNDATION 2019
index of economic
freedom
a modest country

extending beyond its borders

+ population: 1.3 million
+ area: 45,339 km²
+ currency: Euro
+ member of: EU, NATO, OECD, Digital Nations
+ ICT sector employees: 5.9% of workforce
essential

clear and honest principles

+ citizen-centric
+ public-private partnership
+ internet access for everybody
+ all individuals own their personal data
digital government

fastest decision making

+ digital-minded leadership
+ once-only principle
+ e-state - digital by default
+ 99% of services are online
empowering
easiest life: only getting married or divorced cannot be done online.
for now.
electronic ID

the strongest identity since 2002

+ electronic ID is compulsory
+ 70% use ID-card regularly
+ 17% use people use mobile-ID
+ 35% use smart-ID
+ 70,000+ e-Residents
x-road

the busiest highway since 2001

+ **X-Road** — the free and open-source data exchange layer software
  + modular, easy-to-use, secure data exchange solution
  + decentralised and distributed network
  + expert community of almost a thousand people from over 60 countries
  + operational in Azerbaijan, Argentina, Cambodia, Colombia, El Salvador, Estonia, Faroe Islands, Finland, Germany, Iceland, Japan, Kyrgyzstan, Palestine, Vietnam

+ **X-tee** — the Estonian X-Road ecosystem since 2001
  + saving 3 million working hours annually
  + over 3,000 different services
  + over 1.3 billion transactions per year
three pillars

the safest combination to information security

Confidentiality
- e-Identification:
  - ID-card, mobile-ID
  - Smart-ID, e-residency card

Availability
- X-Road®

Integrity
- KSI blockchain
e-Estonia timeline

- e-cabinet
- e-tax board
- m-parking
- e-school
- digital signature
- id-card
- eesti.ee
- id bus ticket

Years:
- 2000
- 2001
- 2002
- 2003
- 2004
e-Estonia timeline

- e-police system
- e-notary
- mobile-id
- keyless signature infrastructure
- i-voting
- e-justice
- company registration portal
- e-health system
- e-prescriptions

- 2005
- 2006
- 2007
- 2008
- 2010
e-Estonia timeline

- Visualised business register (2011)
- Smart grid (2012)
- EV quick charging network (2012)
- Public services green paper (2013)
- E-service of the Estonian Road Administration (2014)
- E-residency (2014)
- E-receipt (2015)
e-Estonia timeline

- NIIS X-Road® consortium
- Kick-off: proactive government
- AI strategy
- 50 public sector AI use cases
- Data embassy
- Crossborder e-prescription
- Reporting 3.0
- 7 invisible services

2017 2018 2019 2020
ease of doing business

simplest and fastest business environment

+ under 3 hours to start a company
+ paperless and hassle-free e-taxation
+ automatisation in tax reporting by the end of 2020
+ Estonia #1 in International Tax Competitiveness Index (2019)
+ e-residency — Estonian e-services for every world citizen
+ first in the world
+ 160+ countries
+ 70,000+ e-residents to date
+ 13,000+ e-resident companies
+ 31m+ € taxes paid to Estonia
cyber security

the strongest competence

+ first and so far largest cyber attacks against a nation state in 2007
+ home of NATO CCDCOE and EU IT agency
+ cyber defence league and cyber command
+ non-permanent member of UNSC 2020-2021
+ data embassy
blockchain pioneers

guarding integrity since 2012

Estonia uses blockchain technology for integrity verification of government registries and data. No data is saved to the blockchain.

+ first ever state to use blockchain technology
+ 100% data privacy
+ history cannot be rewritten by anybody
data embassy

digital continuity of Estonia as a state

+ first data embassy in Luxembourg
+ strategically important datasets
+ highest level of security
+ future: additional locations
i-voting
internet voting in Estonia since 2005

+ first and still the only one in the world
+ time and location independent
+ strictly optional
+ possibility to change your vote
+ 46.7% i-voted in the 2019 EP elections
+ up to 3 times cheaper
e-tax

the first public online service since 1999

+ taxes filed in 3 minutes with digital ID
+ pre-filled forms with automated data
+ applies to all types of taxes
+ 96% of income taxes are declared electronically
e-health
the healthiest system

+ digital health data
+ e-prescription
+ e-ambulance
+ biobank with 200,000 donors
education
europe’s smartest children

+ 1st in OECD PISA tests in Europe
+ ICT education from an early age
+ digital by default
+ saves 45 minutes of teachers’ time daily
+ reduced skipping classes by 30%
smart city

smartest living environment

+ shared platforms
+ cross-border projects — Finest Twins
+ unique semi-autonomous solutions
+ urban data collection and sharing
+ Estonia as a testbed
digitalise everything
the journey never ends

+ cut your own christmas tree
+ fishing and hunting licences
+ reporting a crime
+ vehicle history check
+ smart-road map
Estonishing future

Seamless e-services available 24/7

+ Proactive government
+ AI in government services
+ Cross border digital governance
+ Personalised medicine
proactive government
seamless public services implementation in process

- starting a business
- childbirth
- buying a car
- driving licence
- start of school
- unemployment & job search
- marriage
- divorce
- disability
- military service
- change of residence
- retirement
- death (succession)
- building houses
- falling victim to an accident
- falling victim to a crime
kratt

national AI strategy

+ public-private partnership
+ government initiative
+ 50 use cases live by the end of 2020
resilient in times of crisis and beyond

+ smoothest switch to remote work and study: free e-learning tools
+ hacking the crisis: from Estonia to the world
+ 30+ quick fixes: from Covid-19 chatbot and remote verification in notaries
+ PPP: coronavirus exposure notification app HOIA
lessons learned

be boldest

+ digital-minded leadership
+ 'keep it short and simple
+ transparency works
+ shared platforms are quicker
+ service design matters
+ public-private partnership
stronger together

let’s keep in touch!

sign up to our newsletter and follow us:

facebook  twitter  linkedin  google+  e-Estonia

e-estonia@eas.ee