

THE EVOLUTION OF PUBLIC SERVICES: ON THE WAY TO PROACTIVE PUBLIC SERVICES

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What are digital public services?

"...the provision of public services using digital technologies wherein the interaction with a public sector organisation is mediated by an IT system"

(Lynn et al., 2022).

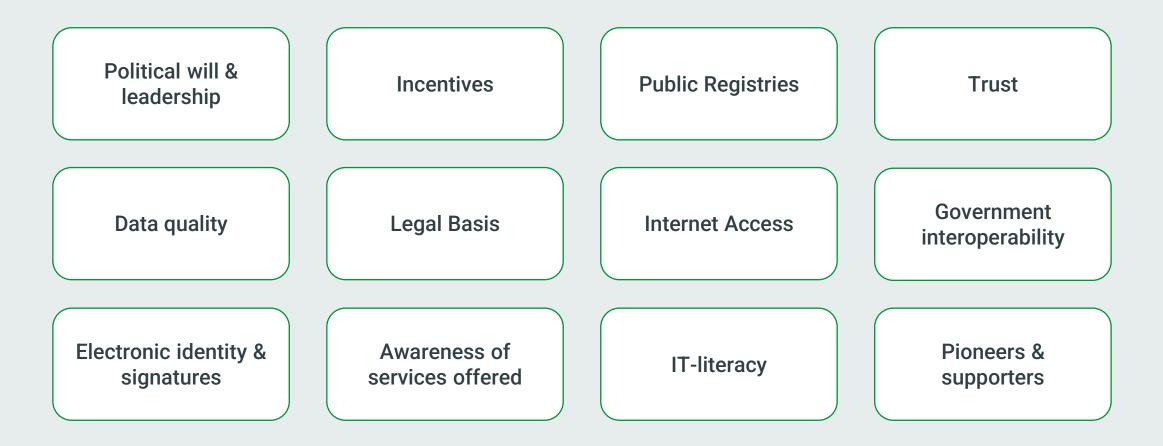
Key messages

1. The evolutionary steps of digital public services are very similar in all Western countries

 \rightarrow Therefore, learning from international examples and trends is worthwhile

2. An effective digital public infrastructure is crucial for accelerating and scaling innovative digital public services

SUCCESS FACTORS OF THE ESTONIAN E-TRANSFORMATION



The three eras of digital government since the advent of the internet

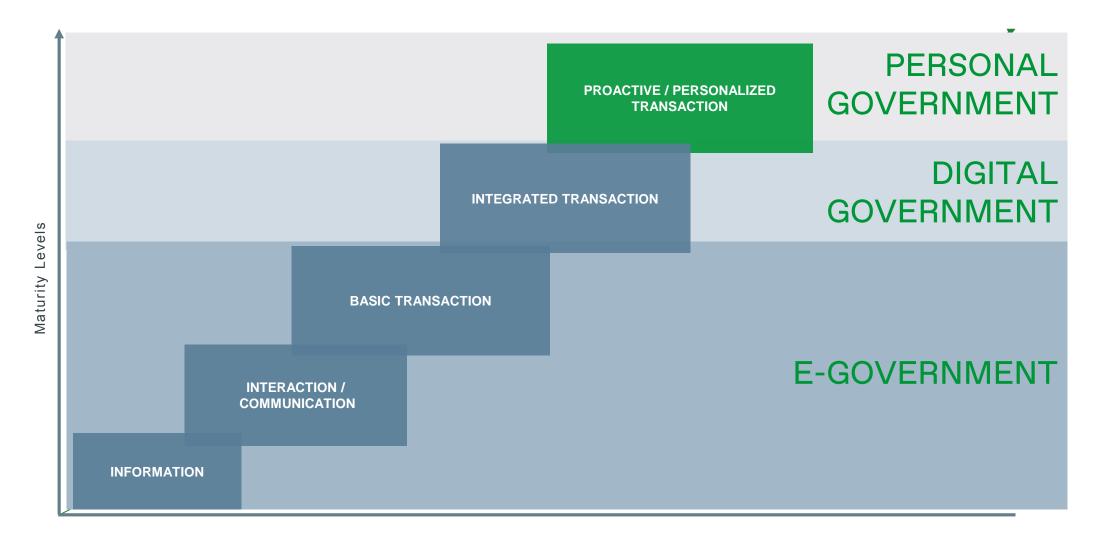
Digitization era 2000 – 2010 e-Government

Enhanced traditional public services online. More efficient information processing. Digital transformation era 2010 – 2020 Digital Government

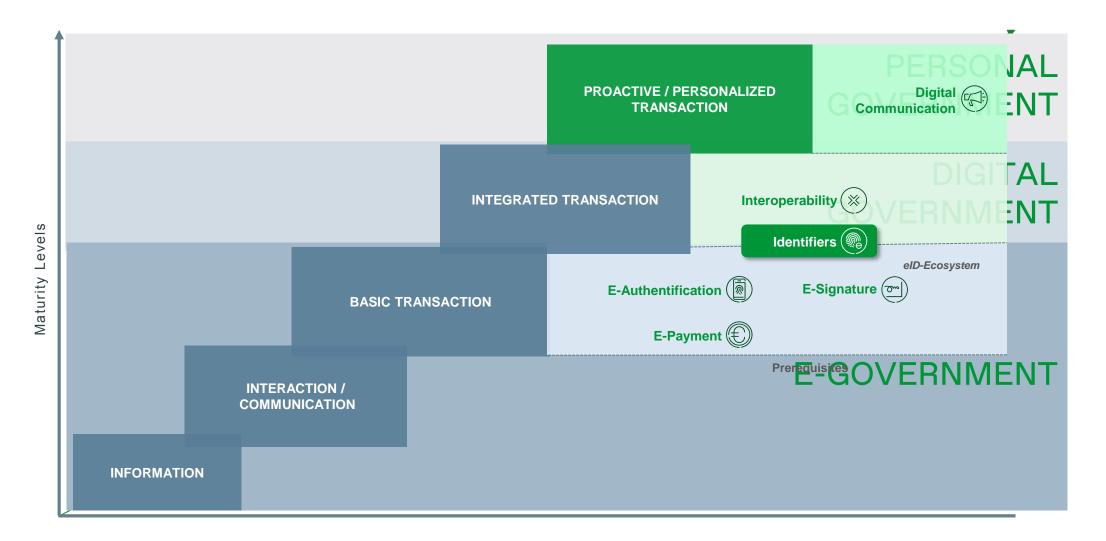
End-to-end digital replacement of traditional public services. Wholeof-government approach to service delivery. Post-digital era 2020 – ... Personal Government

Citizen-centric digital-first new type of services and capabilities without traditional analogues. Whole-ofsociety approach to service delivery.

Maturity levels of digital public services



Maturity levels of digital public services



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THE E-GOVERNMENT ERA



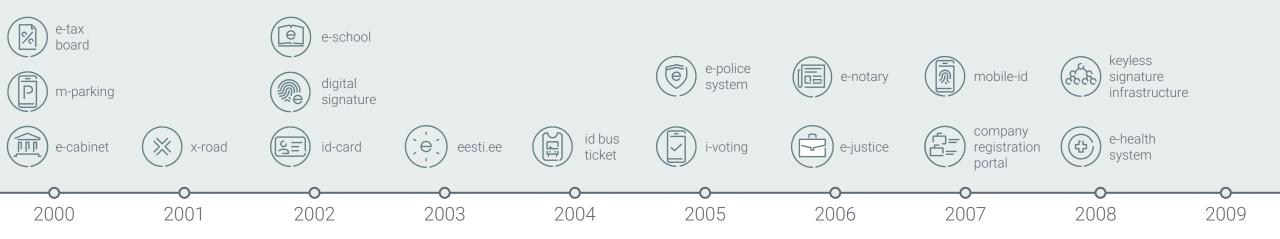
Starting point in the early 1990s

Regaining of independence in 1991 Population 1991: 1.57 Mil. | 2024: 1.32 Mil. GDP per capita 1995: 6,284 USD (2016 PPP) Little industry, few natural resources

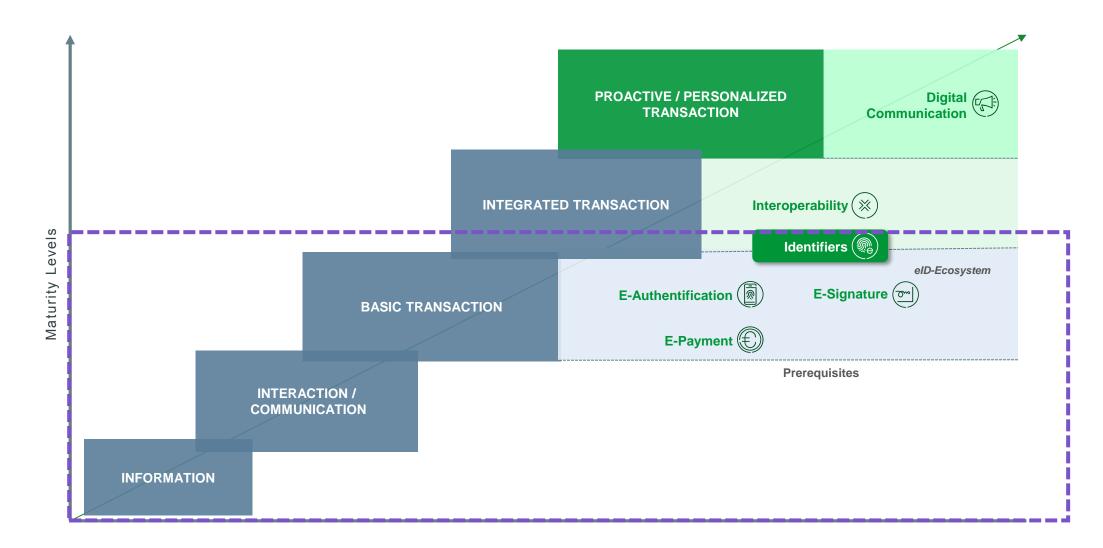
History of e-Estonia The 1990s

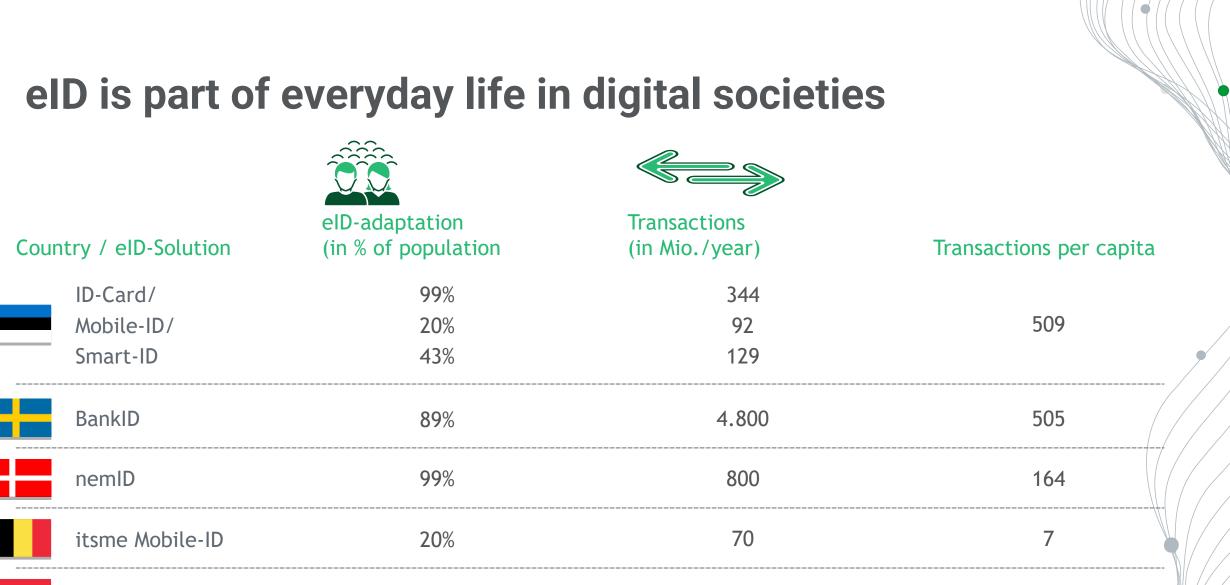


History of e-Estonia **The 2000s**



Maturity levels of digital public services





31

2,5 - 3,0

4

0,04

20%

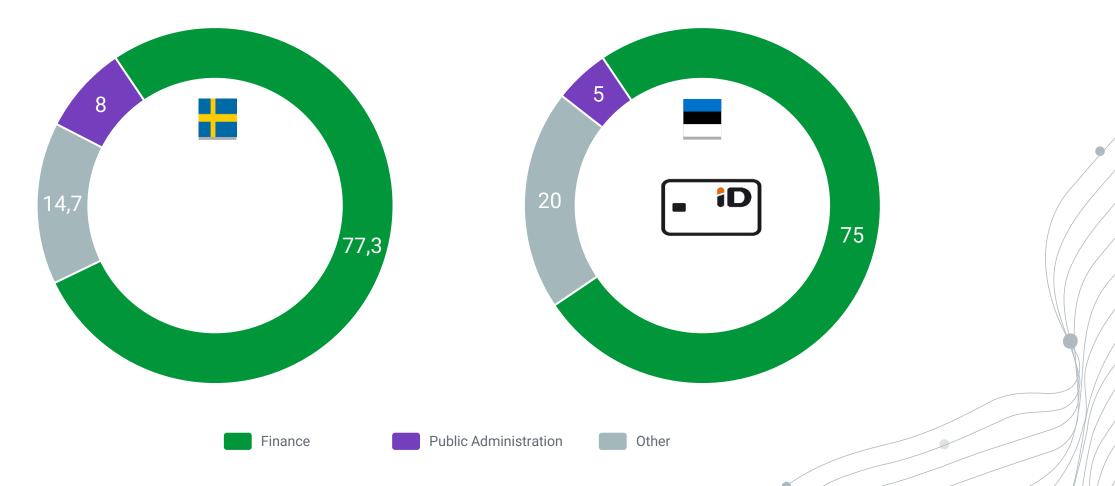
52%

Source: Nortal & BCG, 2020

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Handy-Signatur

Government alone does not have sufficient customer contact to make eID work

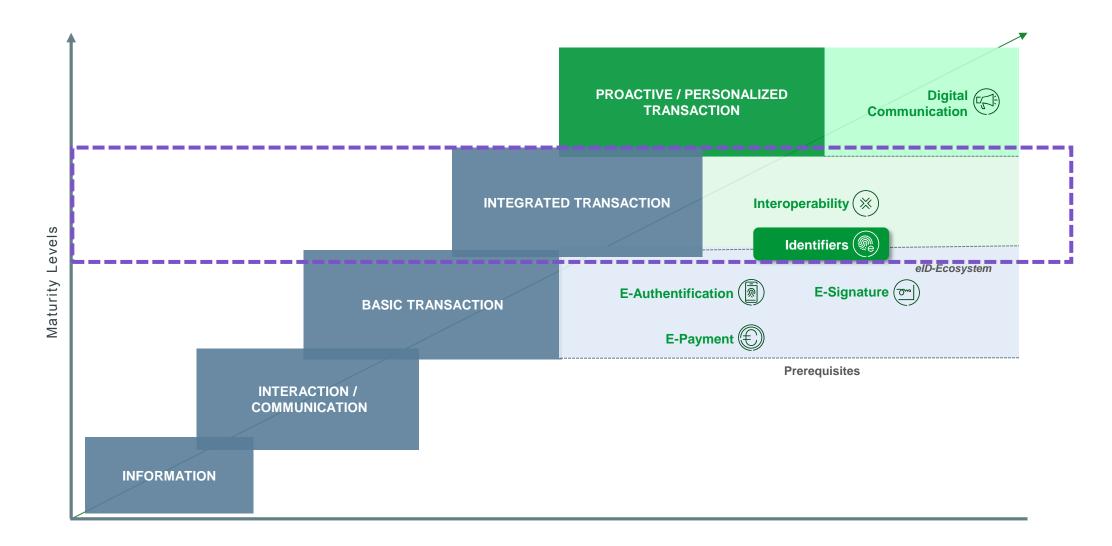


Source: Nortal & BCG, 2020

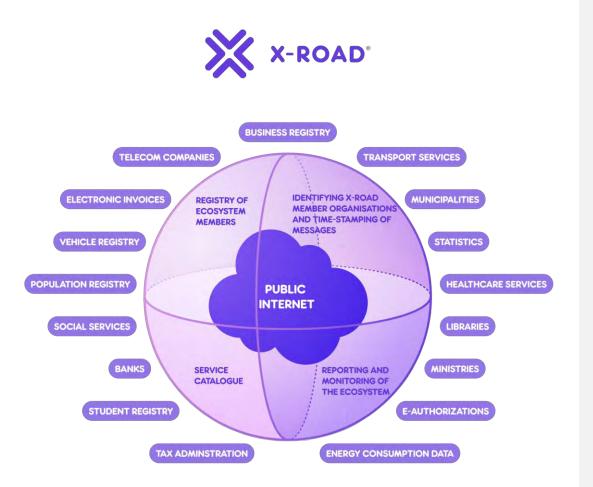
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THE DIGITAL GOVERNMENT ERA

Maturity levels of digital public services



Unified data exchange layer

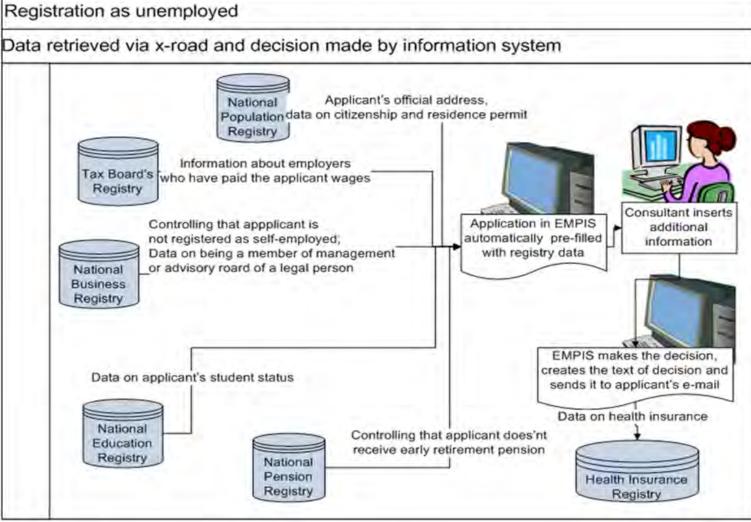


X-Road is the most crucial component of Estonia's digital public infrastructure.

It enables secure data exchange between public institutions, and with the health and private sectors.

It is the foundation for all modern digital public services in Estonia.

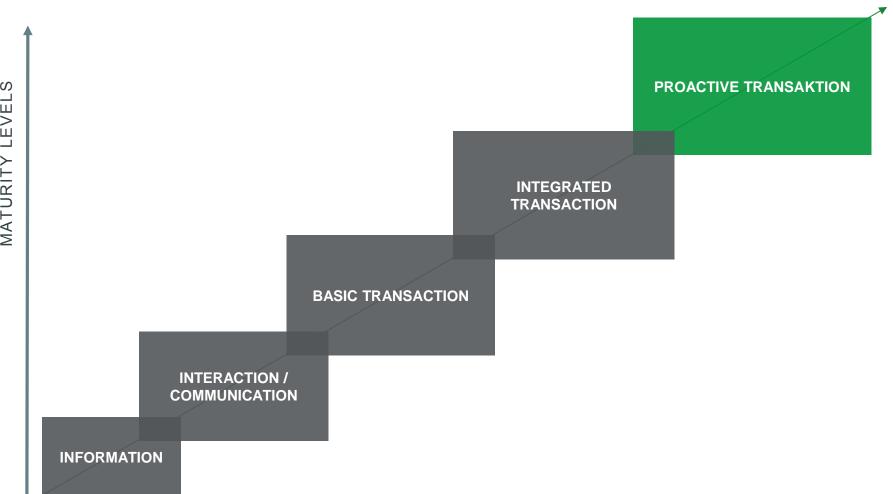
Focus shifts towards integrated transactions and end-to-end digitization



ESTONIAN EDUCATION INFORMATION SYSTEM (EHIS)

PUBLIC HEALTH INSURANCE FUND Intelligent connection of the education MUNICIPAL ADMINISTRATIONS sector in Estonia PRIMARY SCHOOLS EHIS Turnun e.g. automatic transfer of school grades for university SOCIAL INSURANCE applications UNI-ADMISSIONS SYSTEM (SAIS) UNEMPLOYMENT INSURANCE **CITIZENSHIP AND MIGRATION OFFICE TERTIARY EDUCATIONAL** EDUCATION MINISTRAY INSTITUTIONS Many related instutions are also MINISTRY OF DEFENSE SECONDARY SCHOOLS connected ASSOCIATION OF ESTONIAN e.g. confirmation of student status to banks for student loans STUDENT UNIONS UNITED TICKETS AS FINANCIAL INSTITUTIONS

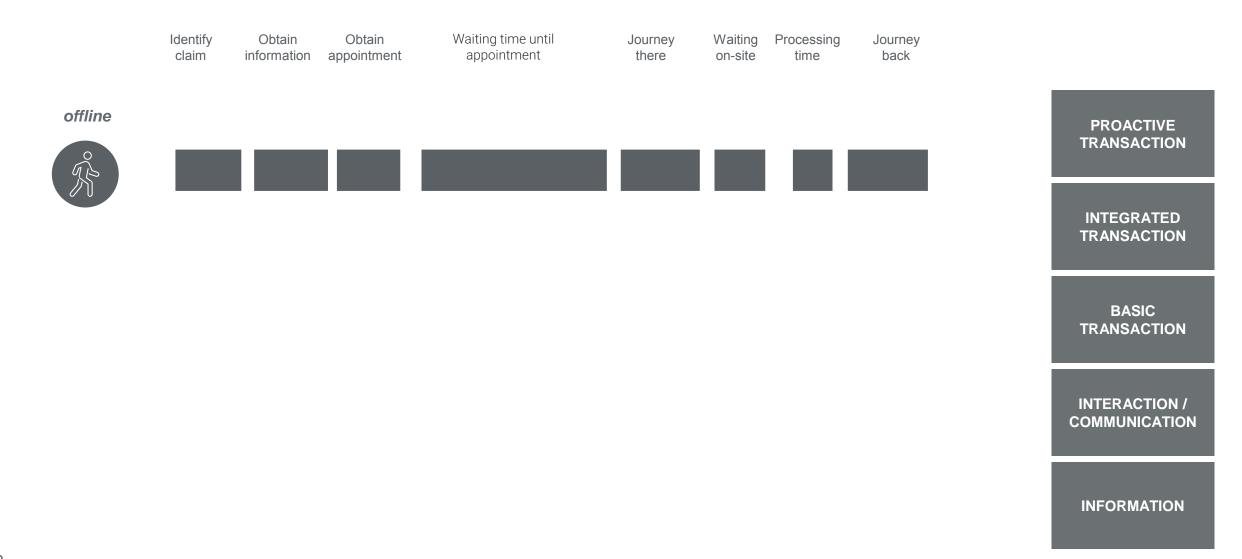
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MATURITY LEVELS

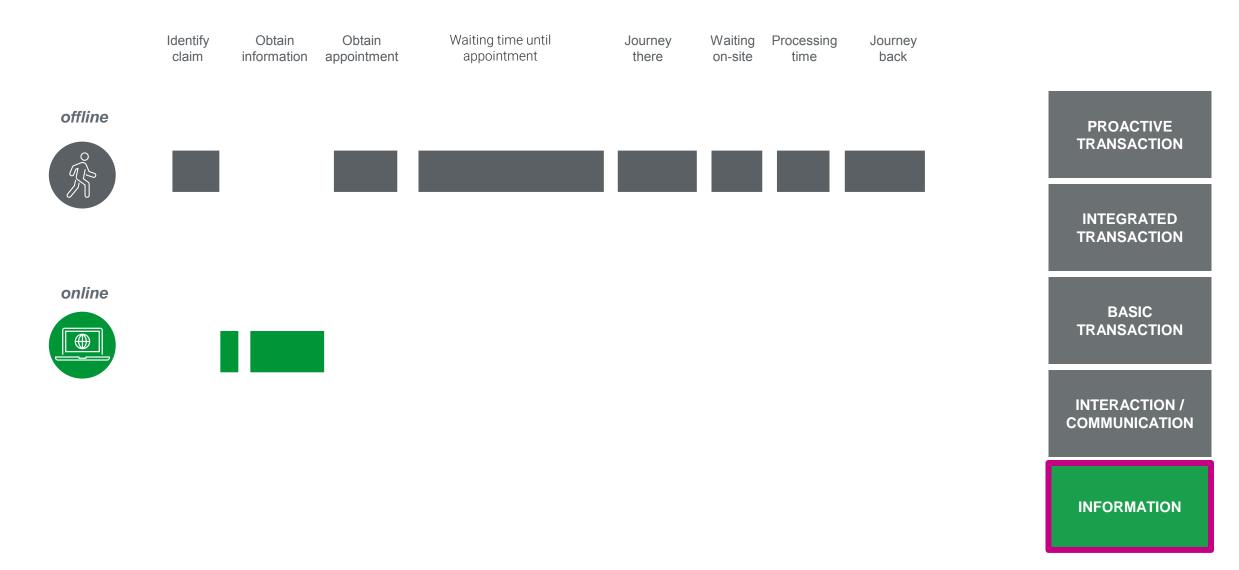


OLD WORLD





INFORMATION



INTERACTION / COMMUNICATION



BASIC TRANSACTION



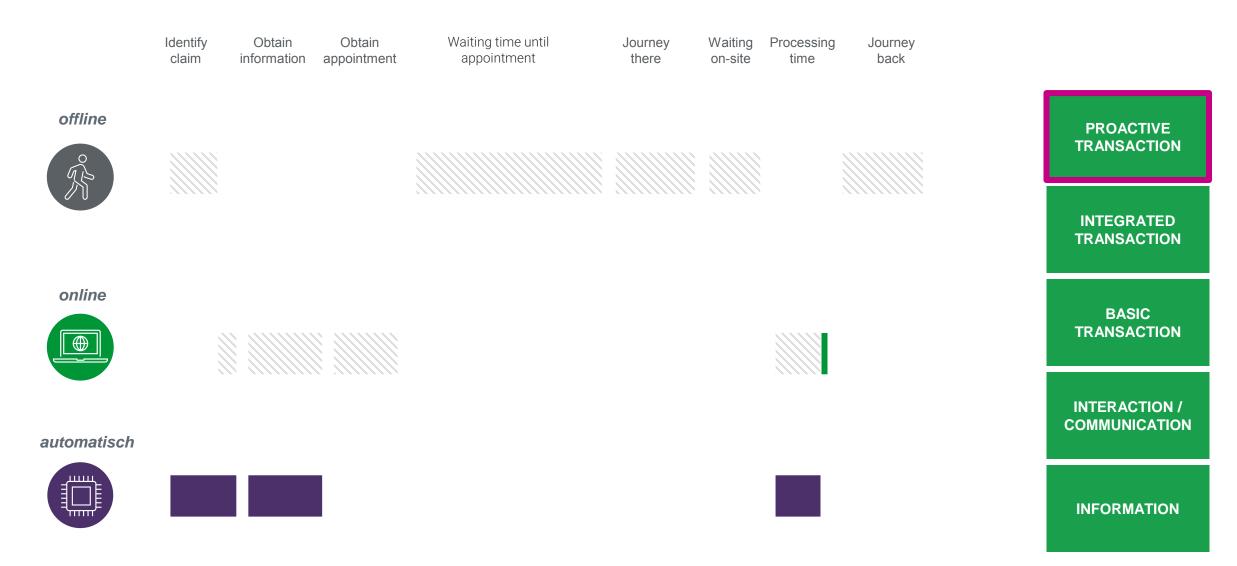
INTEGRATED TRANSACTION



PROACTIVE TRANSACTION



PROACTIVE TRANSACTION



SKAIS Demo

proactive government





starting a business

childbirth



buying

a car

residence



driving licence



start of school

death



unemployment & job search



divorce



disability



military service



retirement



building (succession) houses





marriage

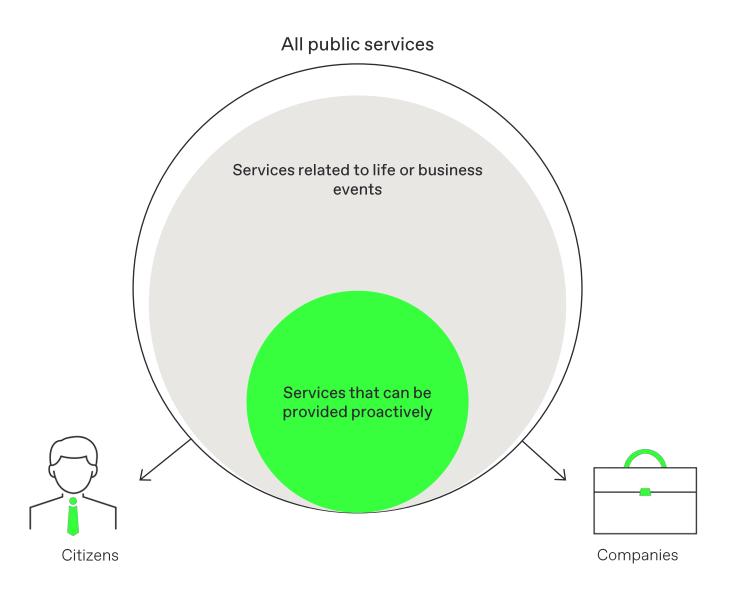
falling victim to

an accident

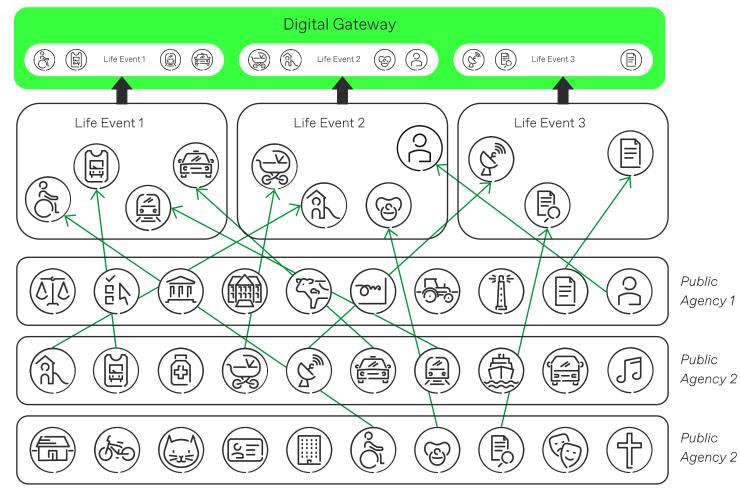


falling victim to a crime

Most public services can't be provided proactively



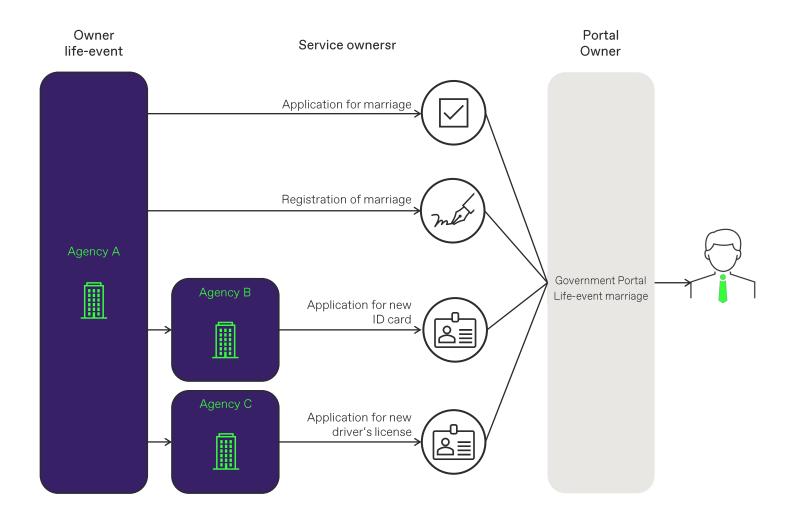
Making public services more accessible through an event-based logic



Public Services

Re-desigining public services along life and business events

Simplified illustration of marriage life event



Marriage life-event demo

THE PERSONAL GOVERNMENT ERA

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What e-Estonia had achieved by the end of the 2010s

AVAILABILITY





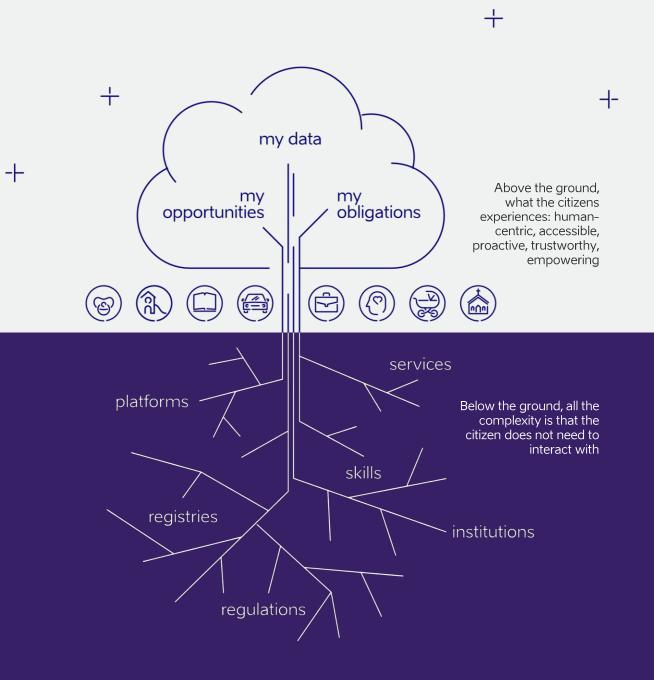
as ma aitan

our children, raised in a digital society, never having had to visit a government office – how do they imagine the future?



Personal Government

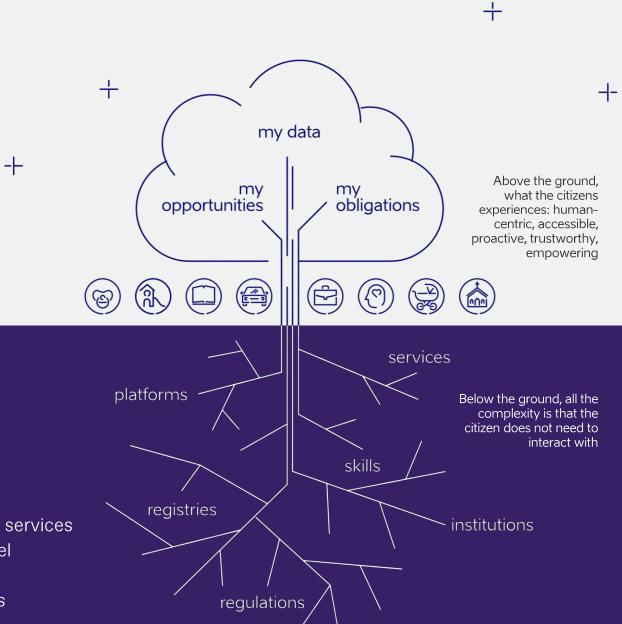
+



Personal Government

new desired outcomes

- + Trust in government
- + Social cohesion



new paradigm to service delivery

- + human-centric
- + accessible
- + proactive
- + trustworthy
- + empowering

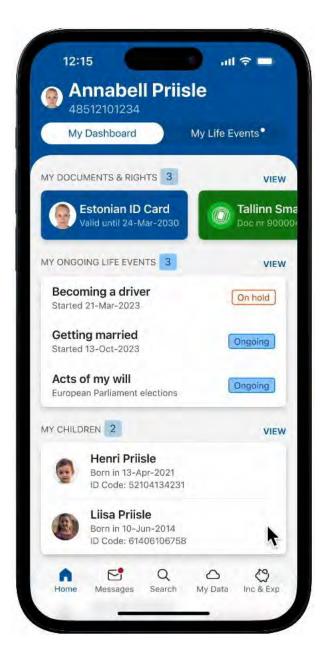
new or enhanced capabilities

- + open data and transparency
- + government-as-a-platform for services

- + life-events based service model
- + artificial intelligence
- + continuous renewal of services

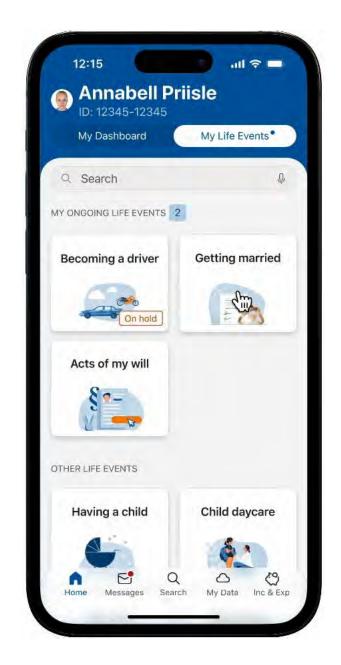
Personal Government in your pocket

Everything a citizen needs should not be more than 3 moves of thumb away.



Personalized citizencentric opportunities and obligations, not government services

Personalized view of most relevant opportunities. The view for a 16-year-old and 60-year-old should be different.



Easily find a solution, even if you don't know who is responsible

Al will help to identify the problem (dangerous icicle, open manhole, trash) and automatically report it to the right authority.



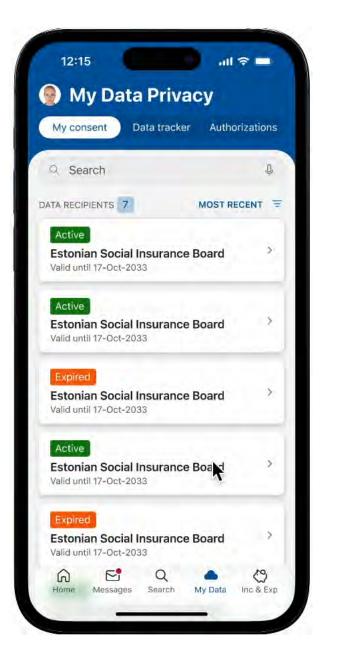
Seamless transition between private sector, community and public sector services

The citizen should be provided with the best relevant service regardless who it is provided by.



Real-time transparency and and control over your personal data

Transparency of who has accessed your personal data and your ability to consent to data sharing gives the system credibility and creates trust.



And after that?

Thank you

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