



# e-Estonian view: Future of digital government

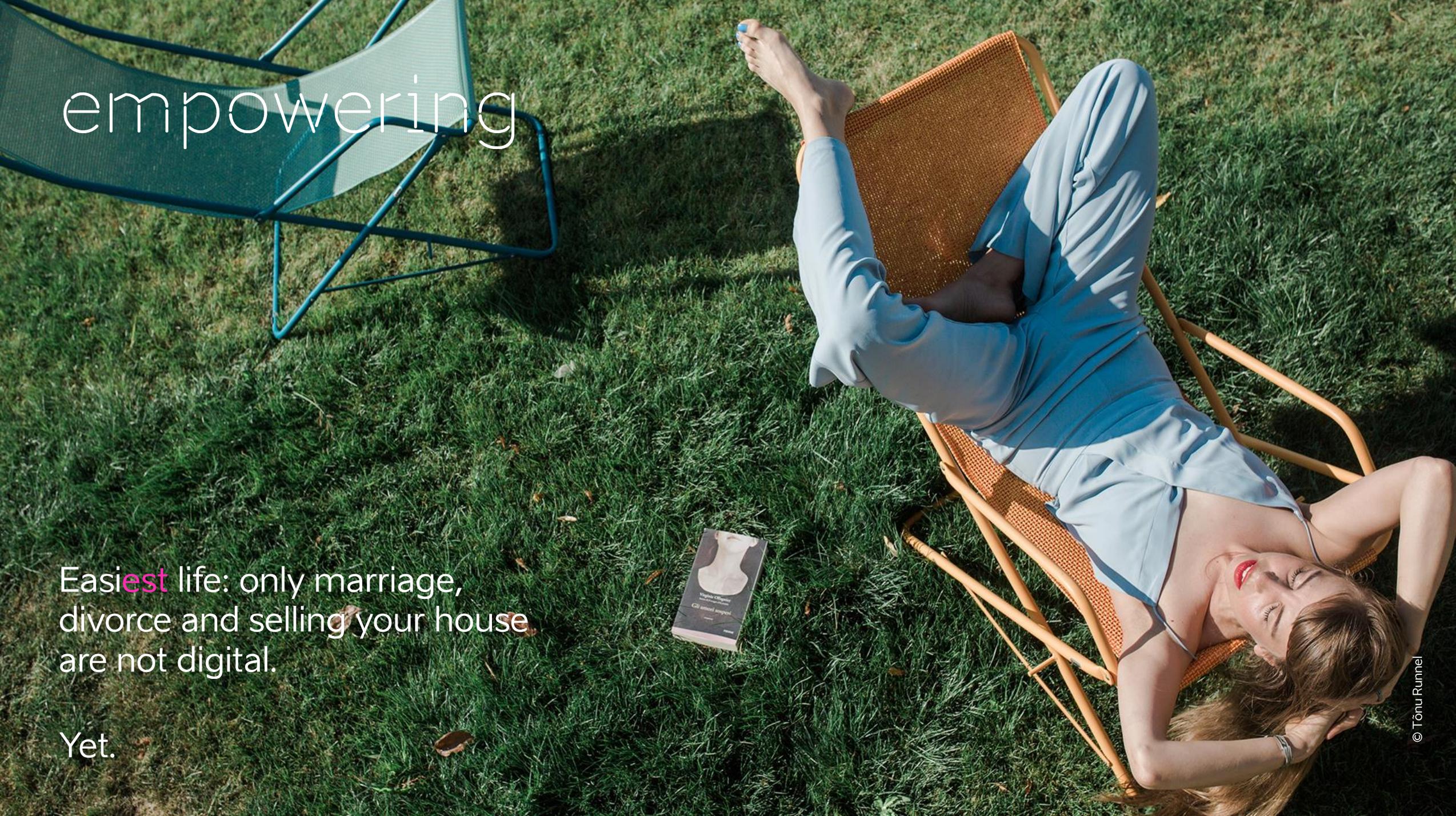
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[www.e-estonia.com](http://www.e-estonia.com)

a modest  
country that  
extends beyond  
its borders



- + population: 1.3 million
- + area: 45,339 km<sup>2</sup>
- + currency: Euro
- + member of: EU, NATO, WTO, OECD, DIGITAL 5
- + ICT sector: 7% of GDP

A woman with long brown hair, wearing a light blue long-sleeved top and matching pants, is lying on a yellow wicker chair on a green lawn. She has her eyes closed and a serene expression. A book titled "Vigore Obiettivo" by "Gli amici sospesi" is lying on the grass next to her. In the background, another blue folding chair is visible. The word "empowering" is written in white lowercase letters in the upper left corner.

empowering

Easiest life: only marriage,  
divorce and selling your house  
are not digital.

Yet.

1: invisible services

# proactive government

TARGET:  
7 LIVE BY YEAR 2020

## Action plan for life-event service design

2020	 <p>name change (incl marriage)</p>	 <p>change of residence</p>	 <p>retirement</p>	 <p>death (succession)</p>	 <p>building houses</p>	 <p>disability</p>		
2019	 <p>driving licence</p>	 <p>buying a car</p>	 <p>childbirth</p>	 <p>start of school</p>	 <p>school change</p>	 <p>unemployment &amp; job search</p>	 <p>crime victim</p>	 <p>military service</p>
2018	 <p>starting a business</p>							



# Sotsiaalkindlustusamet avas esimese proaktiivse avaliku teenuse

14.10.2019

Sotsiaalkindlustusamet sai valmis esimese proaktiivse teenuse ning avas täna oma iseteeninduse, kus esimesena saavad lapsevanemad kasutada taotlustevaba perehüvitiste teenust. Amet maksab iga kuu 44 miljoni euro eest 156 000 inimesele peretoetusi ja 19 000 inimesele vanemahüvitist.



## A



Laps

1.

Paned sündinud  
lapsele nime



2.

Saad pakkumise  
e-mailile



3.

Kinnitad  
pakkumise



## B



Toetus

2: AI-powered government



[kratid.ee/in-english](http://kratid.ee/in-english)

EE national AI strategy  
(July 2019)

# Agriculture – satellite image analysis

- Detection of cutting hay
- No need for on-site inspections

The screenshot shows a satellite image of a rural area with a river. A red outline highlights a specific field. The interface includes a legend, a search bar, and a detailed information panel for the selected field.

**Otsi** **Kihid**

Kaardikihid  
Haldusjaotus  
Taotletud põllud  
Niitmise tuvastamine (testimisel)

- Niitmata
- Määramata
- Hilinenult niidetud
- Madal biomass
- Niidetud

Abiinfo kihid

**Info 24.10.2017 seisuga**

Taotleja nimi: OSAÜHING PAALA  
Taotletud pindala: 3.52 ha  
Taotletud Põllukultuurid  
maakasutus:  
Taotletud kultuur: liblikoeliste ja kõrreliste segu (30-80% liblikoelisi)  
Info: Niitmise tuvastamise tulemus põhineb satelliidiinfo analüüsil. Testimisel 2017.

Niitmise staatus: ■ Niidetud

Niitmise tähtaeg: 10.08.2017  
Niidetud vahemikus: 14.06.2017 - 19.06.2017  
26.07.2017 - 31.07.2017  
24.09.2017 - 29.09.2017

Haritud vahemikus:  
Määra otsingu geometriaks

X: 6493024 Y: 586631  
B: 58.5686 L: 25.4889  
500 m

Aluskaart © Maa-amet | © PRIA | Veebikaardi abitelefoni 737 7618 | maa@pria.ee

# Current AI status: 25 live cases

Target:  
50 live by 2020



Transportation



Security



Human  
resources



Agriculture



Customer service



Healthcare



Justice



Aim: support up-take in different sectors

Examples

Traffic violations

Cyber incidents

Job matching

Mowing  
detection

Chatbot

Risk stratification

transcription

Investment  
plannign

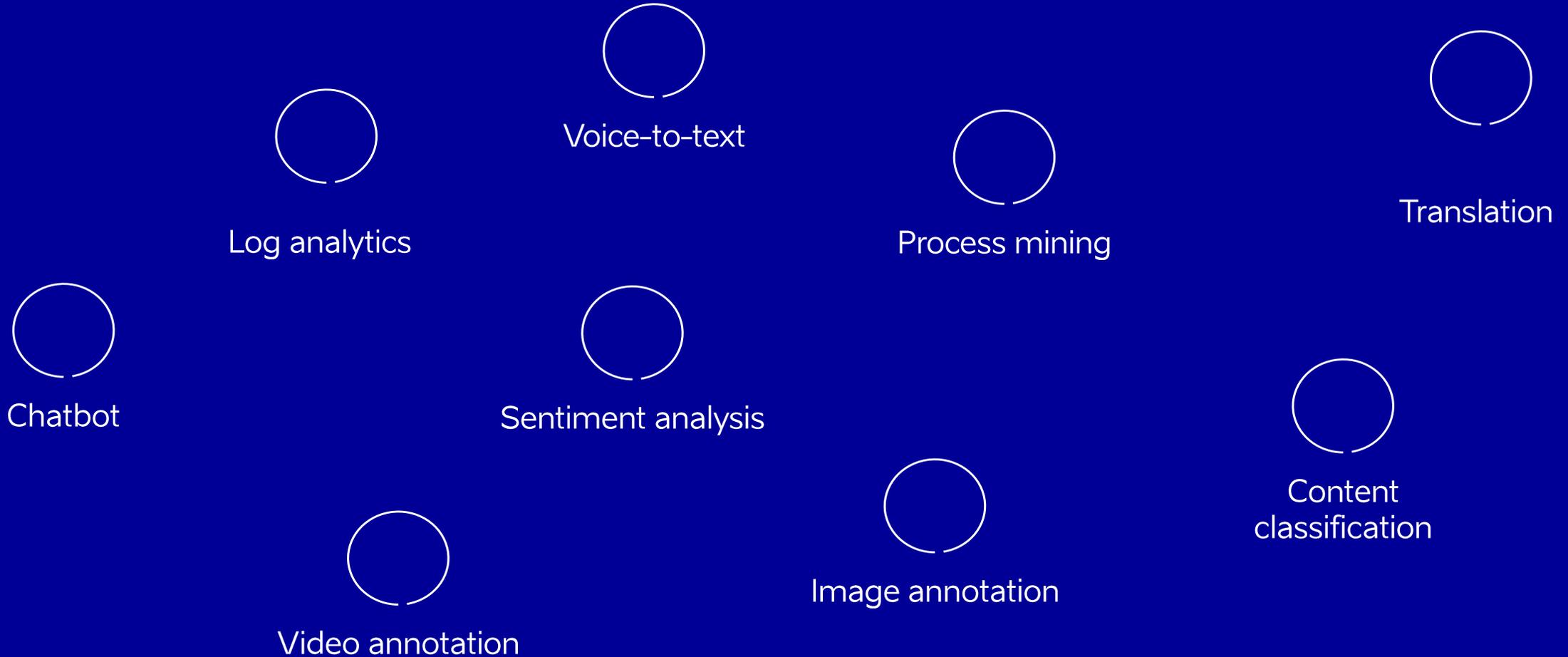
Career planning

Species  
composition map

Triad

Cardiac arrest

# Govt-as-platform in AI: core components for reuse



# First core comp. live Oct 2019

← → ↻ 🏠 🔒 koodivaramu.eesti.ee/MKM-data/texta-toolkit ☆ Inkogn

🇺🇸 Projects Groups Snippets Help 🔍 Search or jump to... ?

**T** TEXTA Toolkit

🏠 Project

Details

Activity

Releases

Cycle Analytics

📄 Repository

🔔 Issues 0

🔗 Merge Requests 0

🔧 CI / CD

📖 Wiki

MKM-data > TEXTA Toolkit > Details

**T** **TEXTA Toolkit** 🌐  
Project ID: 25

☆ Star 0

🔧 GNU GPLv3 🔗 1,749 Commits 🌿 10 Branches 🏷️ 35 Tags 📄 0 Bytes Files

master ▼ texta-toolkit History 🔍 Find file

🌀 add `OperationalError` clause to exceptionhandler  
Gert Paimla authored 1 month ago 1a5007e3

📄 README Auto DevOps enabled

Name	Last commit	Last u

3: govt-as-a-platform

# electronic ID

The strongest identity.



- + every Estonian has an electronic ID
- + eIDAS assurance level „high“
- + 16% of mobile-ID
- + 34% of smart-ID
- + e-Residency



# e-riigi koodivaramu



RIIGI INFOSÜSTEEMI AMET

- tegu on e-riigi **ühtse koostöö ja tarkvara taaskasutuse** koodivaramuga
- ligipääsud varamusse panustamiseks täna **RIA** kaudu - *tulevikus liidestus läbi TARA*
- koodivaramus talletatav kood on **kõigile avalik** ja kogu e-riigi avatud kood saab olema tulevikus siit kättesaadav ja kasutatav
- tegu on **esimese versiooniga**, koodivaramu teenuse edasine teekaart on alles planeerimisel
- otselink projektidele on **siin**

Sign in

Username or email

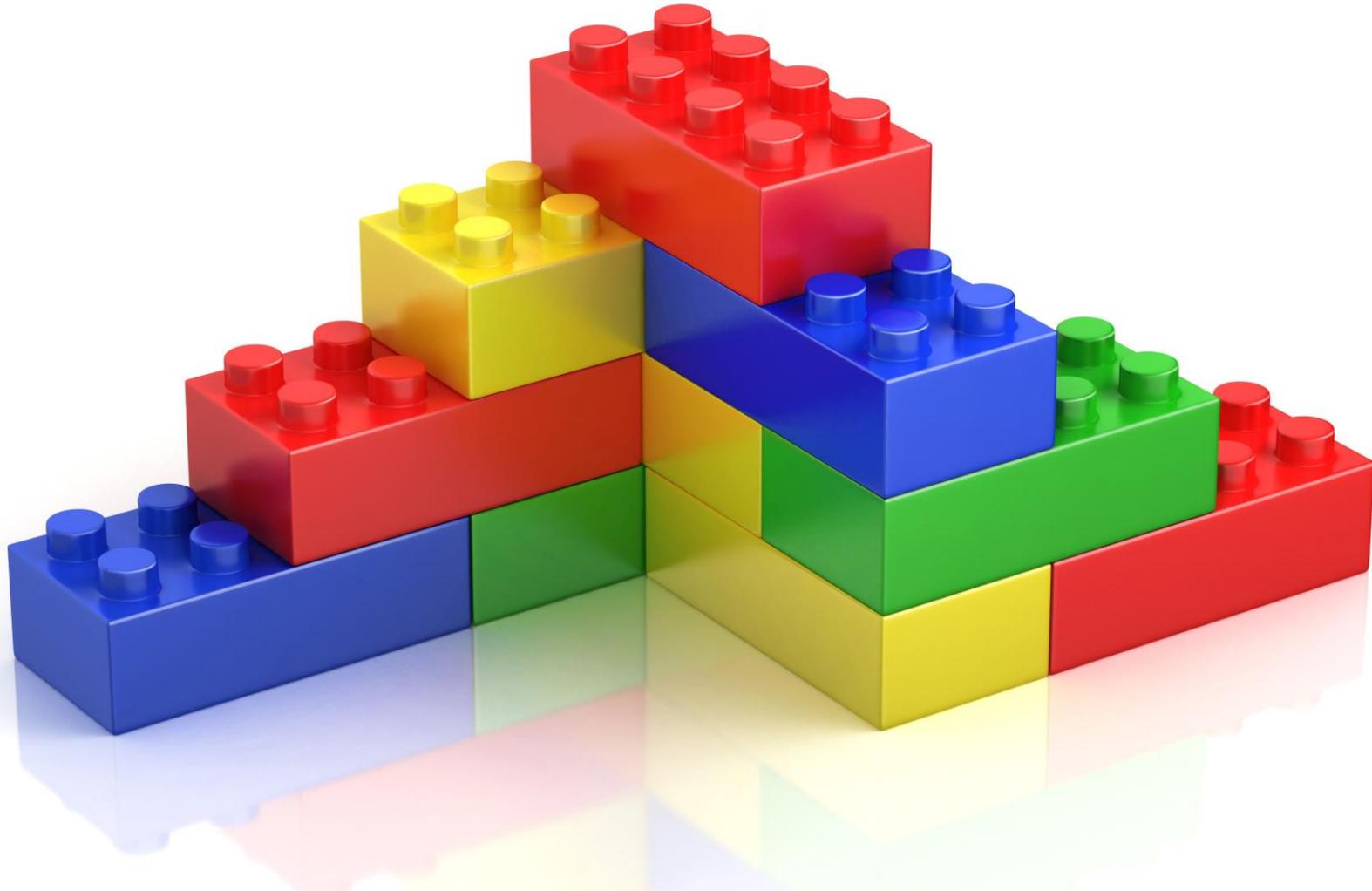
Password

Remember me

[Forgot your password?](#)

Sign in

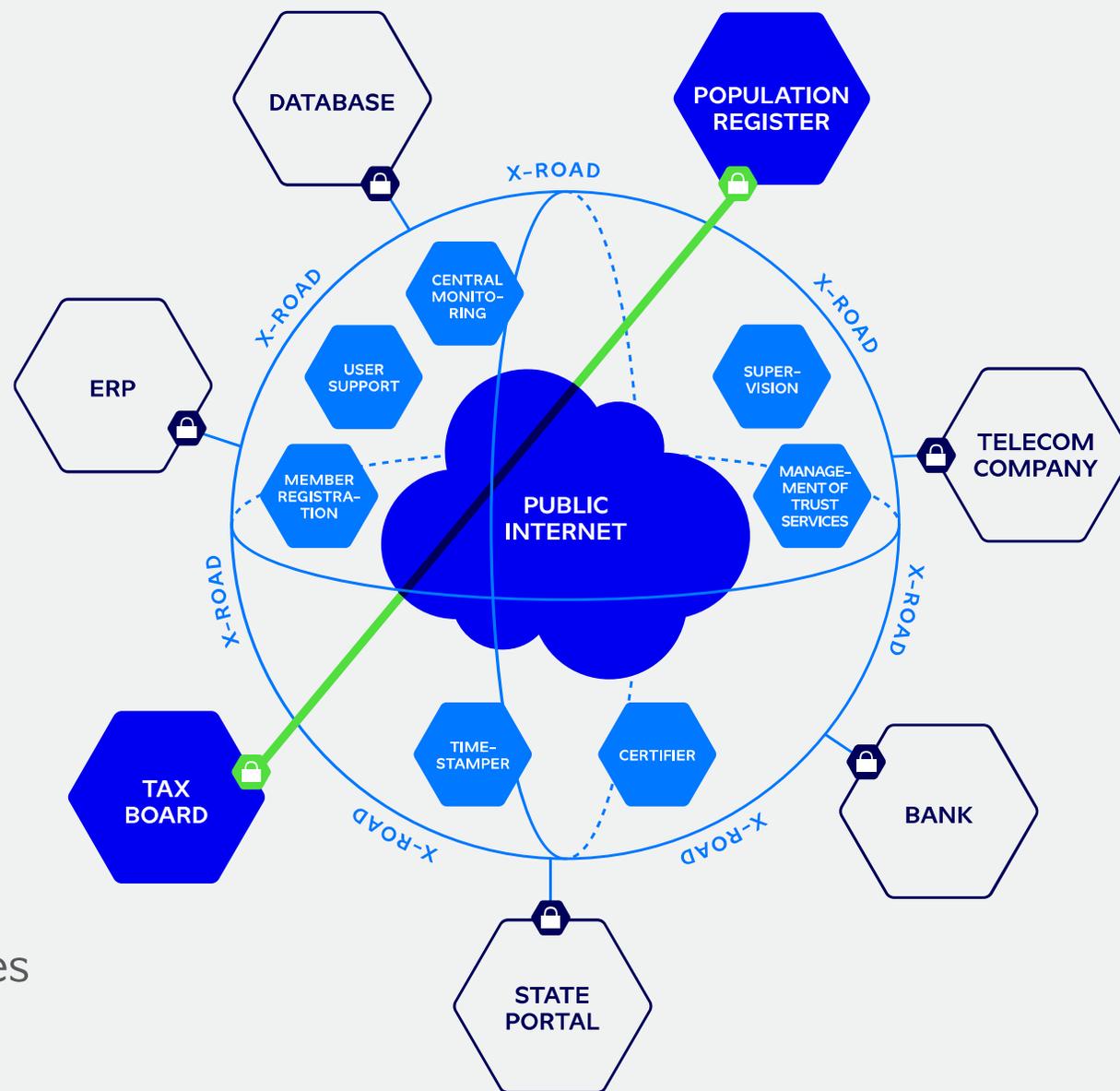
# Architecture rethink



4: cross-border digigov

# exchange

The busiest highway of e-Estonia — X-Road.



- + 99% of state services are online
- + over 900 connected organizations, databases
- + over 500 million transactions per year
- + saving 800+ years annually



5: country-as-a-service



e-Residency kit  
Issued by the Estonian Police and Border Guard Board



#eResidency

apply.gov.ee

# estonishing future



- + invisible services = zero bureaucracy
- + AI-powered government
- + government-as-a-platform
- + cross-border digital governance
- + country-as-a-service

# Boldest pathfinders

It's not about money, it's not about tech,  
it's about change

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

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