

# Andmetest tegudeni: Digikaksikud ja andmed kohalike omavalitsuste teenistuses

24. aprill 2025

AvaLinn



Tallinn



FinEst Centre  
for Smart Cities



# Tervitussõnad & sissejuhatus



**Sille Sepp**

linnaliste andmeökosüsteemide juht  
FinEst Centre for Smart Cities

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# Smart Communities võrgustiku tegevused



## INFOPÄEVAD

Infopäevad kõikides ELi liikmesriikides –  
„Increasing Digitalisation Awareness &  
Readiness of Estonian Communities“



## VIRTUAALSED TREENINGUD



## EUROOPA ALGATUSTE TUTVUSTUS

- [Living-in.EU](#)
- [LORDIMAS](#)
- [European data space for smart communities](#)
- [Online Procurement Helpdesk](#)
- the Local Digital Twin Toolbox
- the [LDT EDIC](#)



# TÄNANE KAVA



TIME	TEEMA	ESINEJA
10:00 - 10:10	Tervitussõnad & sissejuhatus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
10:10 - 10:30	Enabling Smart Communities in EU, Estonia and beyond (inglise keeles)	<b>Helen Köpman</b>   European Commission
10:30 - 10:45	Milleks meile digikaksikud?	<b>Andres Maremäe</b>   Tallinna Strategiakeskus
10:45 - 11:00	Eesti vaade andmeruumidele ja -platvormidele	<b>Ralf-Martin Soe</b>   FinEst Centre for Smart Cities
11:00 - 11:15	Eesti digikaksikud ning nende arengusuunad: Näiteid e-ehituse ja MaRu digikaksikust, nende arendamisest ning võimalustest	<b>Regina Viljasaar-Frenzel</b>   Kliimaministeerium
11:15 - 11:30	Paus	
11:30 - 11:50	Organisatsioonide andmeküpse mõõtmine ja kasvatamine	<b>Kuldar Aas</b>   Justiits- ja Digiministeerium
11:50 - 12:30	Digital Maturity Assessment with LORDIMAS tool   Creating Your Digitalisation Roadmap & Securing the Right Procurement Support (inglise keeles)	<b>Martin Gauk</b>   ESPON <b>Ignacio Garcia Vega</b>   Serendipity
12:30 - 13:30	Lõuna	
13:30 - 13:55	Näiteid elust enesest: Eesti omavalitsuste võimalused ja vajadused	<b>Külle Tärnov</b>   FinEst Centre for Smart Cities <b>Katrin Rajamäe-Soosaar</b>   Eesti Linnade ja Valdade Liit
13:55 - 14:10	Rahastusvõimalused kohalikele omavalitsustele	<b>Tiiu Treier</b>   Ettevõtluse ja Innovatsiooni Sihtasutus (EIS)
14:10 - 15:10	Töötuba: Kiired võidud ja koostöövõimaluste kaardistus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
15:10 - 16:00	Lõppsõna & vabas vormis vestlused AvaLinnas	

# Enabling Smart Communities in EU, Estonia & beyond

*(in English)*



**Helen Köpman**

Deputy Head of Unit – AI for Societal Good  
European Commission

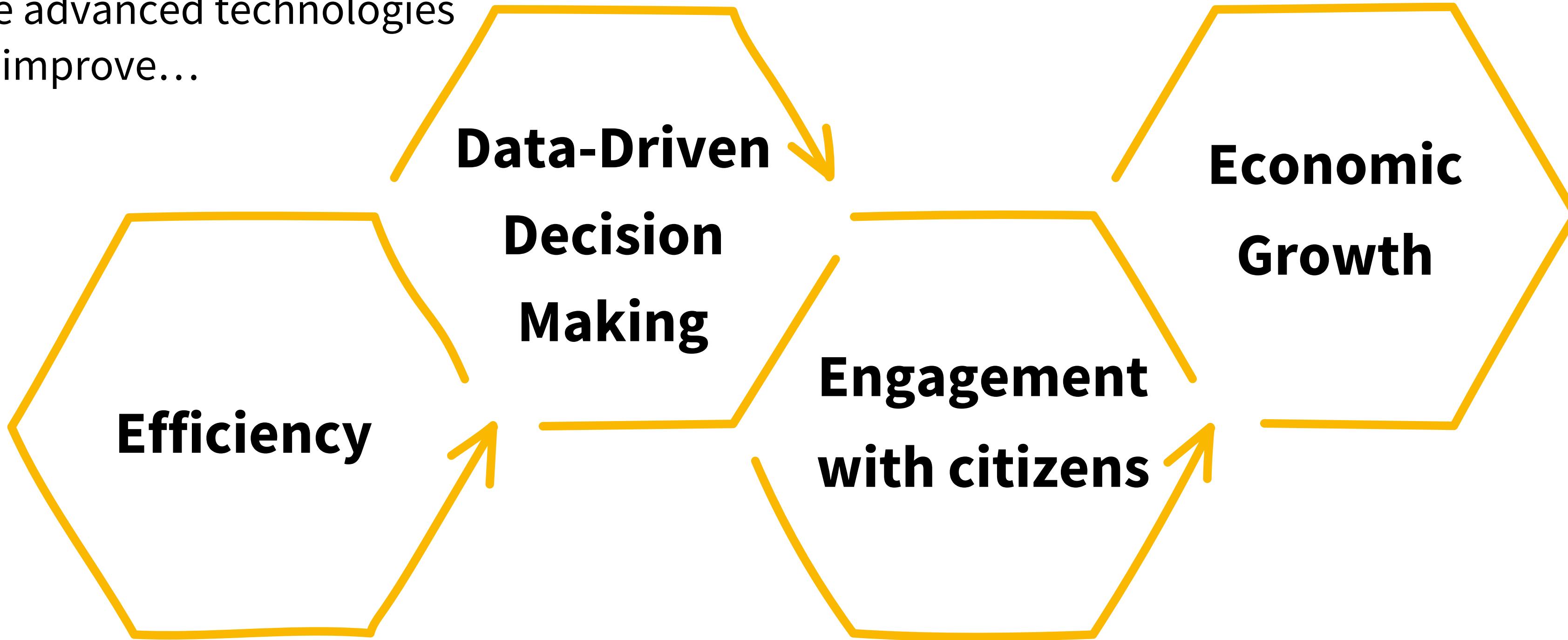
# Enabling Smart Communities



Supporting ecosystems and  
funding at EU level

# Quality of life in our cities depends on better public services

Use advanced technologies  
to improve...



...for better mobility, waste and water management, energy grids etc.

# Digital Journey of Cities and Communities

**Increasing awareness and digital readiness of EU communities**

*by providing resources, best practices, and training to develop digital strategies*

**Scaling up digital infrastructures**

*assessing digital readiness, developing a tailored digital transformation plan, and procuring the services needed to build local digital platforms and local digital twins*

**Deployment of advanced digital tools**

*facilitating the creation and deployment of AI-based local digital twins for innovative urban planning and sustainable solutions*

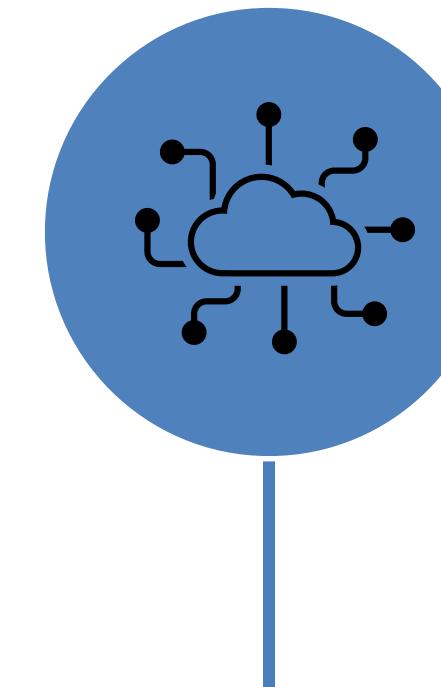
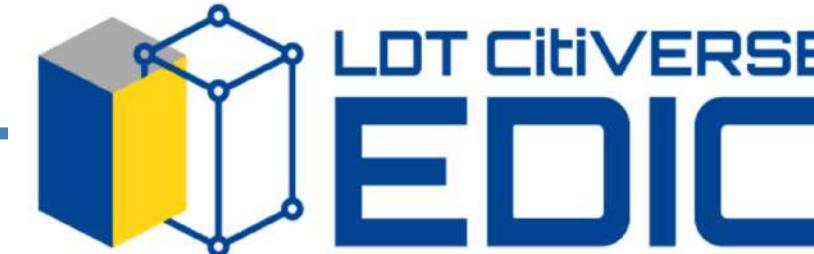
# Boost your digital transformation with EU Support

- Support cities in **their digital transformation** (Lordimas, Smart Communities Network, Online Procurement Helpdesk)
- Harness the full potential of AI and Local Digital Twins:  
**Local Digital Twin Toolbox**
- Setting an **AI-driven ecosystem of innovative solutions**, bringing tech companies and cities (LDT CitiVerse - EDIC)

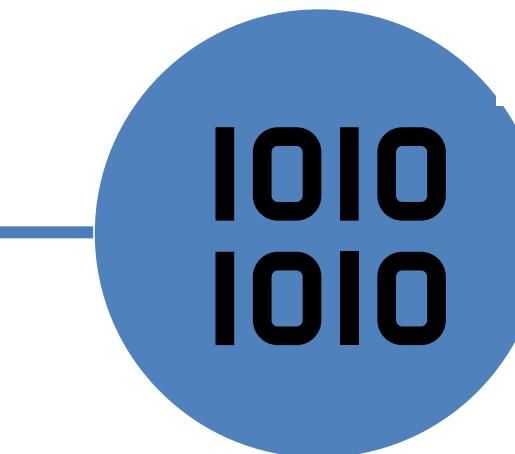
# Building an ecosystem of AI-based solutions



European data space  
for smart communities

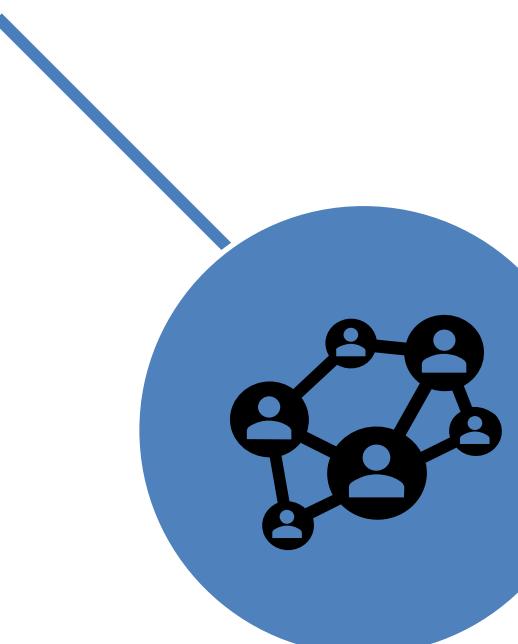
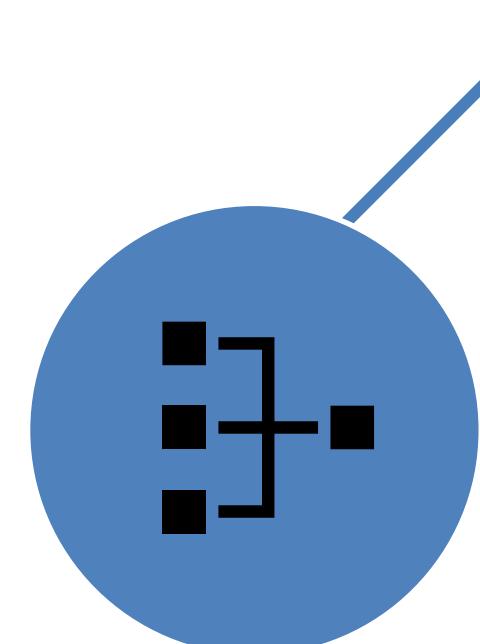


Immersive  
technology:  
CitiVerse projects



CitCom<sup>AI</sup>

Testing and  
experimentation



Ecosystem engagement:  
Smart Communities  
Networks

LIVING-IN.EU

# Reasons Why

1. To create a **common & sustainable** European Digital infrastructure for LDTs
2. To enable a **true ecosystem of networked** LDTs across the EU cities and regions
3. To **go beyond** pure research activities, experiments and pilots
4. To **avoid repetition** and enable **replicability**
5. To support the deployment of large-scale innovative technologies, **powered by AI innovators**
6. To provide **recommendations** for future R&I and Deployment



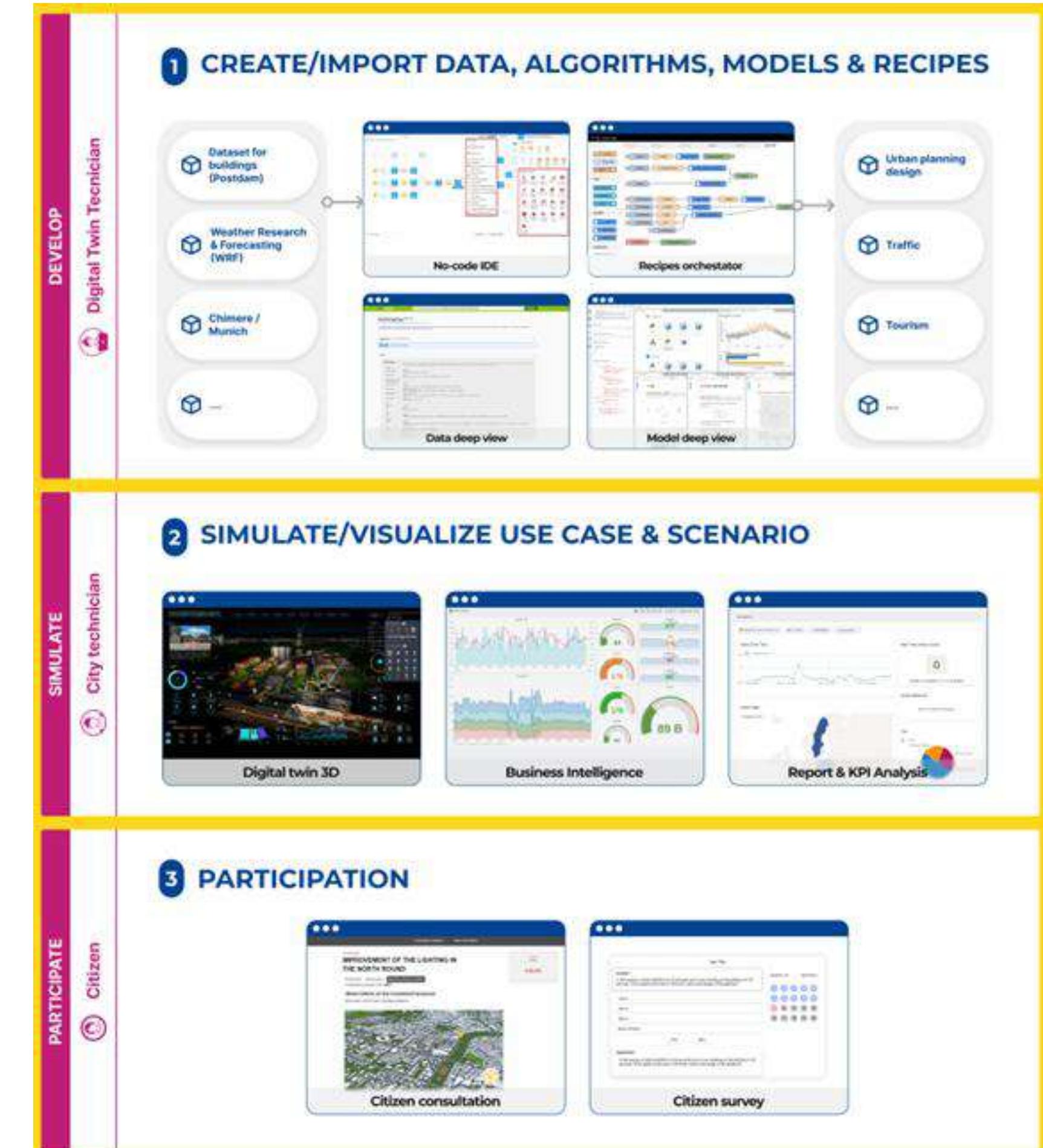
# Citiverse EDIC (European Digital Infrastructure Consortium)



**EU LDT Toolbox: An advanced set of tools to enable digital twins benefits on EU cities.**

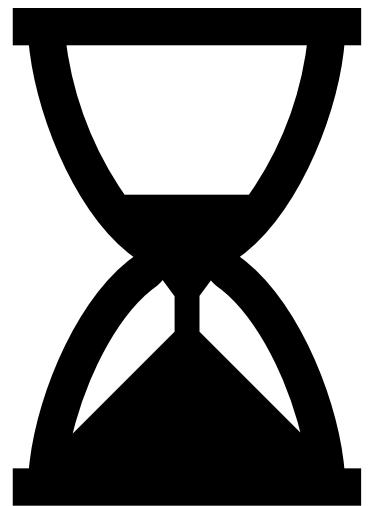
3 simple steps to enable the benefits of a Digital Twin to support your decision-making and planning processes effectively.

Being implemented and will start the Pilot Program with 6 European cities in January 2026



# Funding opportunities – cascading open calls

**Towards networked Local Digital Twins in the EU - DIGITAL-2024-CLOUD-DATA-AI-07-DIGITALTWIN**  
Digital Europe Programme (DIGITAL)



## Tentative date

November 2025

Ecosystem of interoperable LDTs sharing a common blueprint

Increase in number of national infrastructures for urban data platforms and LDTs

New technical solutions for the EU LDT toolbox – policy scenarios in key urban management areas

New AI-based solutions contributing to the EU LDT toolbox

Mature AI services in public domain for predictive modelling and immersive services

# EU Digital Funding opportunities

The European Union (EU) supports the digital transformation of public administrations through various funding programmes.



**Digital Europe Programme**  
**(DEP)** supports the development of digital infrastructure/skills, focusing on public admin efficiency + accessibility.



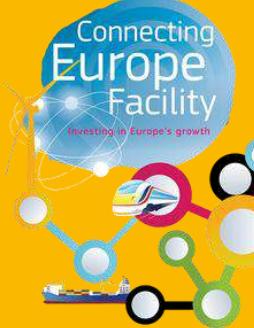
**Horizon Europe** funds research and innovation projects to advance digital technologies and public services.



**Interreg** promotes regional cooperation to enhance digital connectivity and innovation in public services.



**Technical Support Instrument** (TSI) offers tailored technical support for designing/ implementing digital reforms in public admin.



**Connecting Europe Facility**  
**(CEF)** improves digital networks and infrastructure, enhancing public administration services and connectivity.

# Milleks meile digikaksikud?



**Andres Maremäe**  
digitaalse kaksiku projektijuht  
Tallinna Strategiakeskus



Tallinna digikaksik  
anno 2025



Tallinn

# Digiksiku definitsioon I

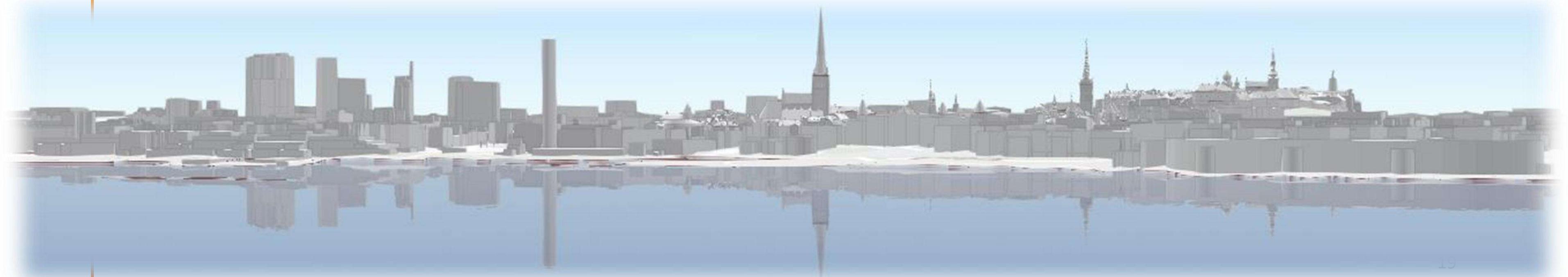
/ di•gi•tal twin /

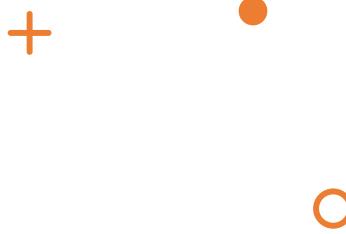
*noun*

A digital twin is an integrated data-driven virtual representation of real-world entities and processes, with synchronized interaction at a specified frequency and fidelity.

- Digital Twins are motivated by outcomes, driven by use cases, powered by integration, built on data, enhanced by physics, guided by domain knowledge, and implemented in dependable and trustworthy IT/OT/ET systems.
- Digital Twin Systems transform business by accelerating and automating holistic understanding, continuous improvement, decision-making, and interventions through effective action.
- Digital Twin Systems are built on integrated and synchronized IT/OT/ET systems, use real-time and historical data to represent the past and present, and simulate predicted futures.
- Digital Twin Prototypes use data to model and simulate predicted futures before being integrated into IT/OT/ET Systems and before synchronization with the real-world entity or process.

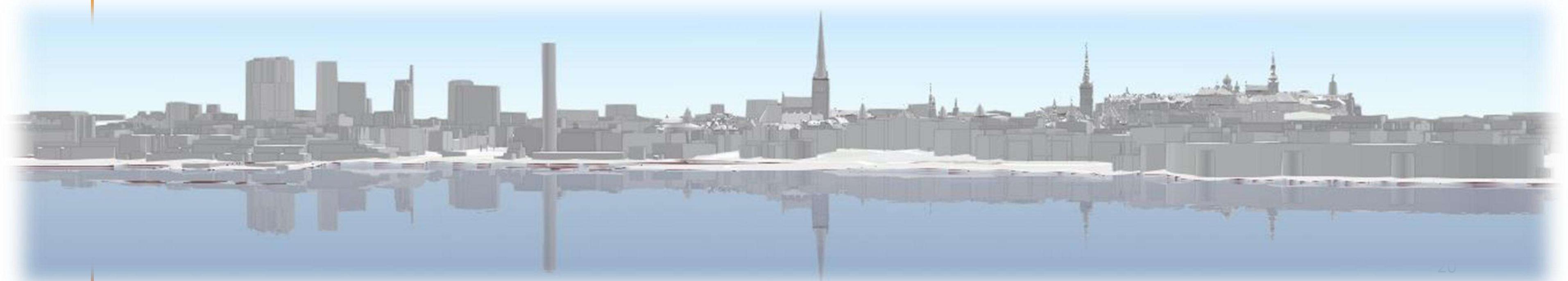
<https://www.digitwinconsortium.org/>



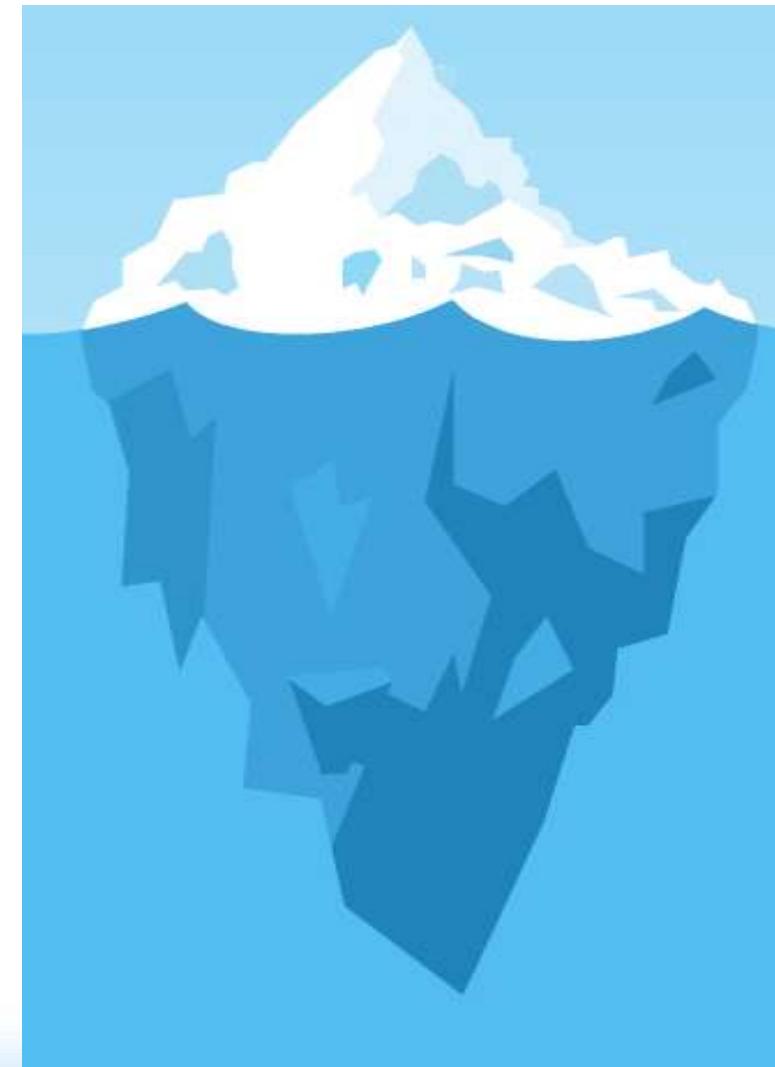


## Digikaksiku definitsioon II

- Akadeemiline: füüsilise maailma ja mittefüüsiliste protsesside digitaalne replika
- Tallinn: *System of spatially enabled technologies – The technological foundation of a smart city*
- *3D kaksik ≠ digikaksik*



# Digikaksiku jäämägi



2D 3D 4D 5D

VR XR AR

Web applications

Mobile  
applications

Laser scanning

Analysis

Data lake

Privacy and  
security

Data management

Geodesy

Remote sensing

Data warehouse

Machine learning

AI

IoT

Dataflows

Hardware

External  
projects

Business processes

Workflows

New technologies

Interoperability

PoC

Georeference

UX

Data collection

Simulations

Demos

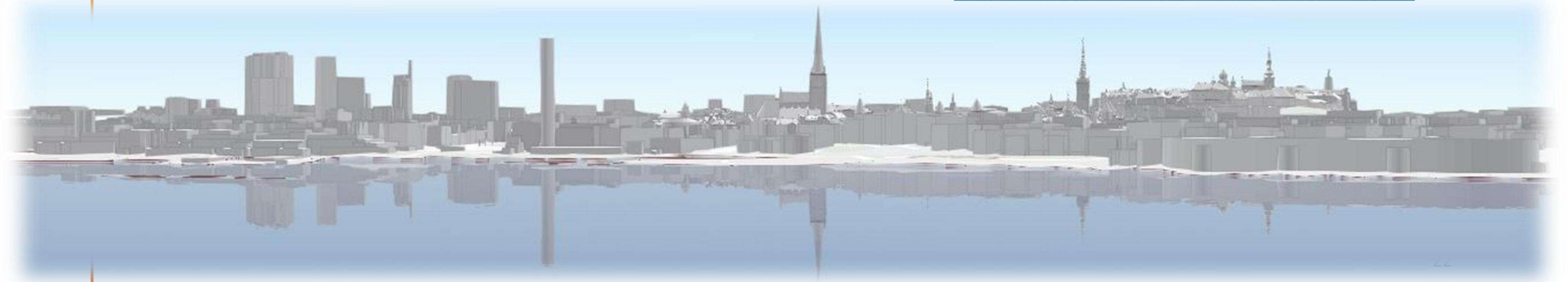
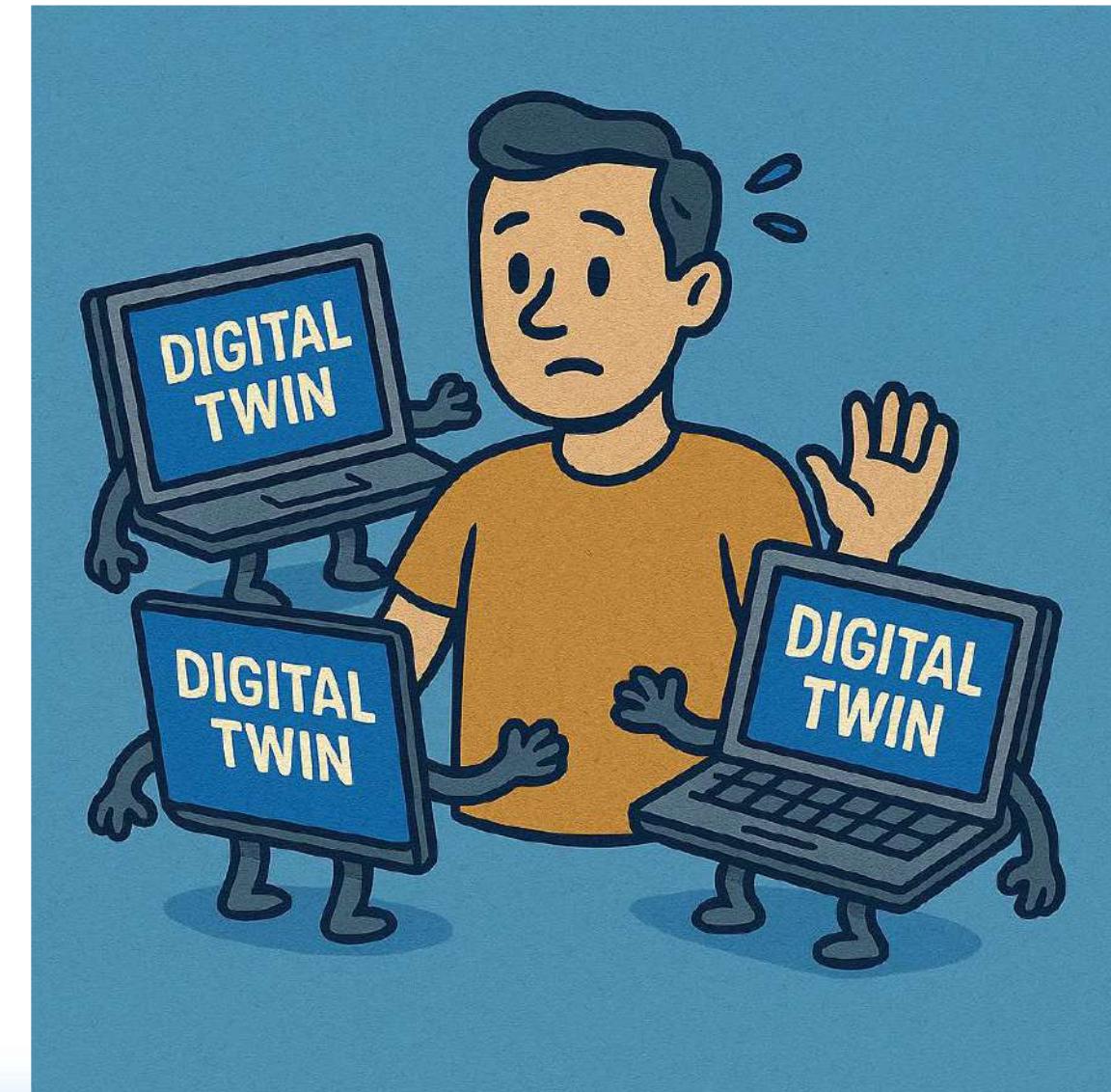
Pilots

Common Data  
Environment

Software

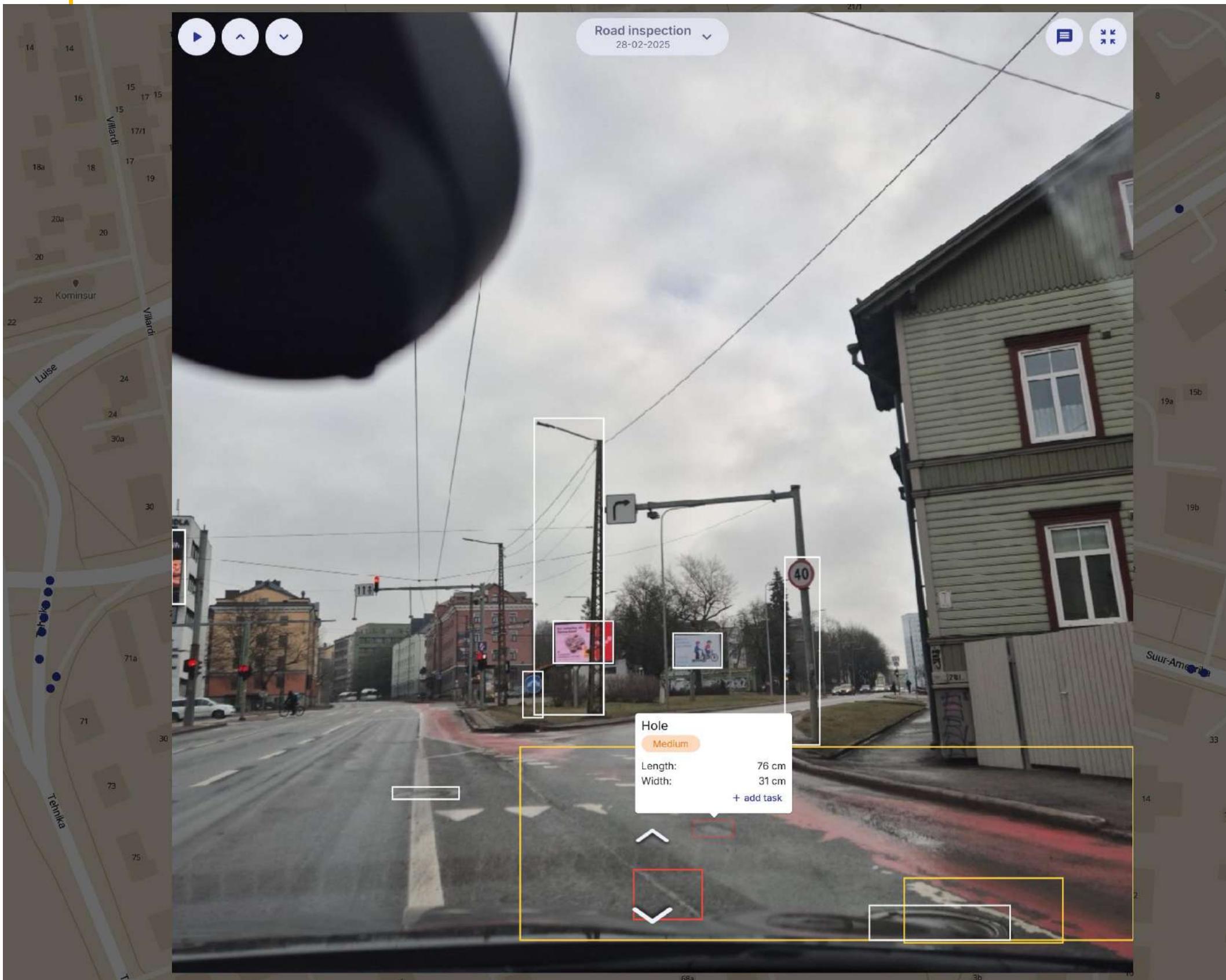
## Tallinna digikaksikule seatud ülesanded

- Efektiivsem haldustegevus  
rutiinne järelevalve tehnoloogia kanda
- Kvaliteetsemad otsused  
virtuaalsed simulatsioonid enne „betooni valamist“
- Sisukam avalik kommunikatsioon  
visuaalsed digitööriistad mõtttestatud kaasamiseks



## Linnahalduse näiteid

- Reklaamikandjate järelevalve
- Teekatte seisukorra järelevalve
- Liikluskorraldusvahendite järelevalve
- Jalakasurma monitooring



## Simulatsioonide näiteid

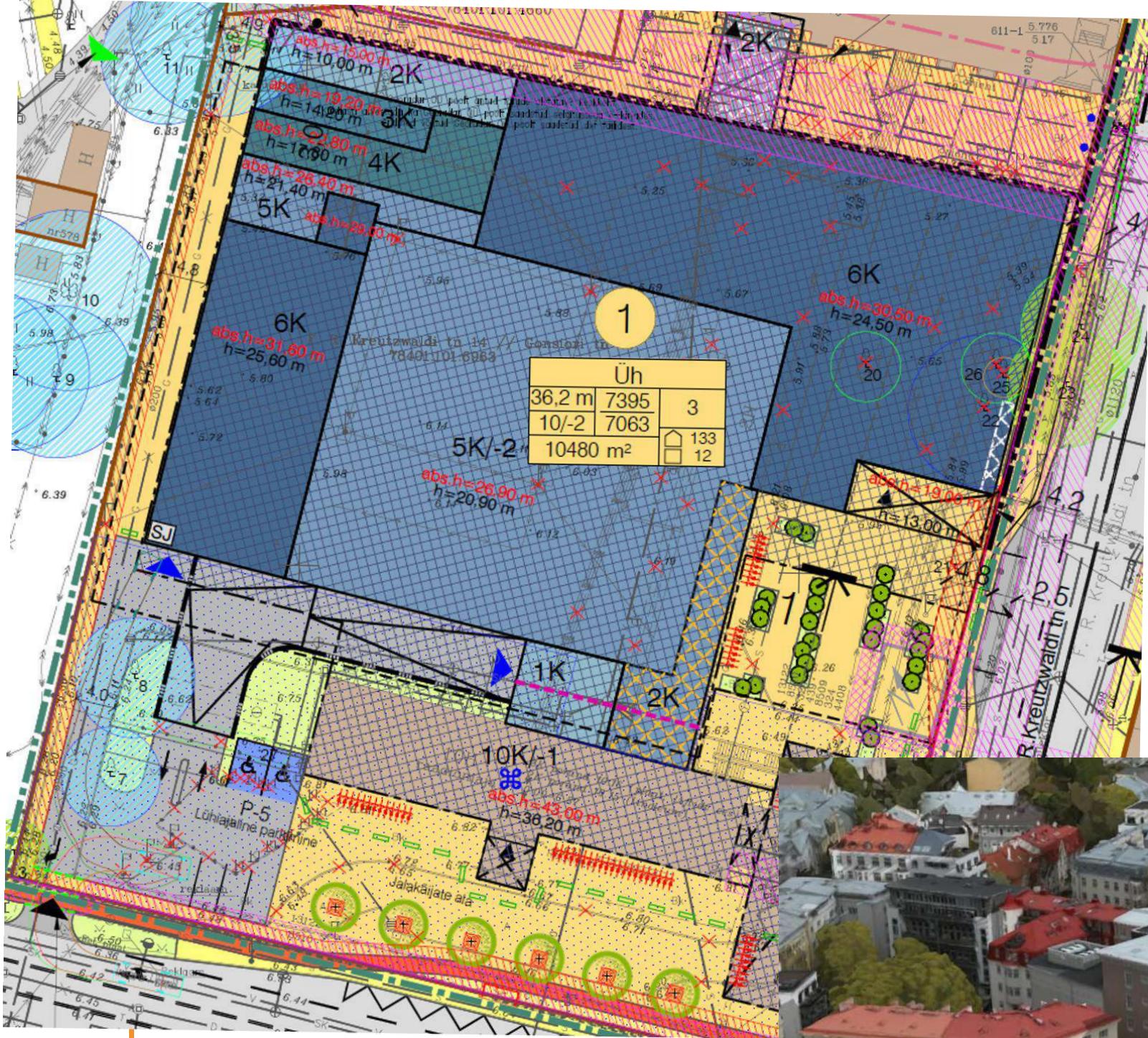
- Vanalinna kaubaveod
- Kriisiolukordade stsenaariumid
- Kuumasaarte analüüsida
- **GreenTwins projekt**





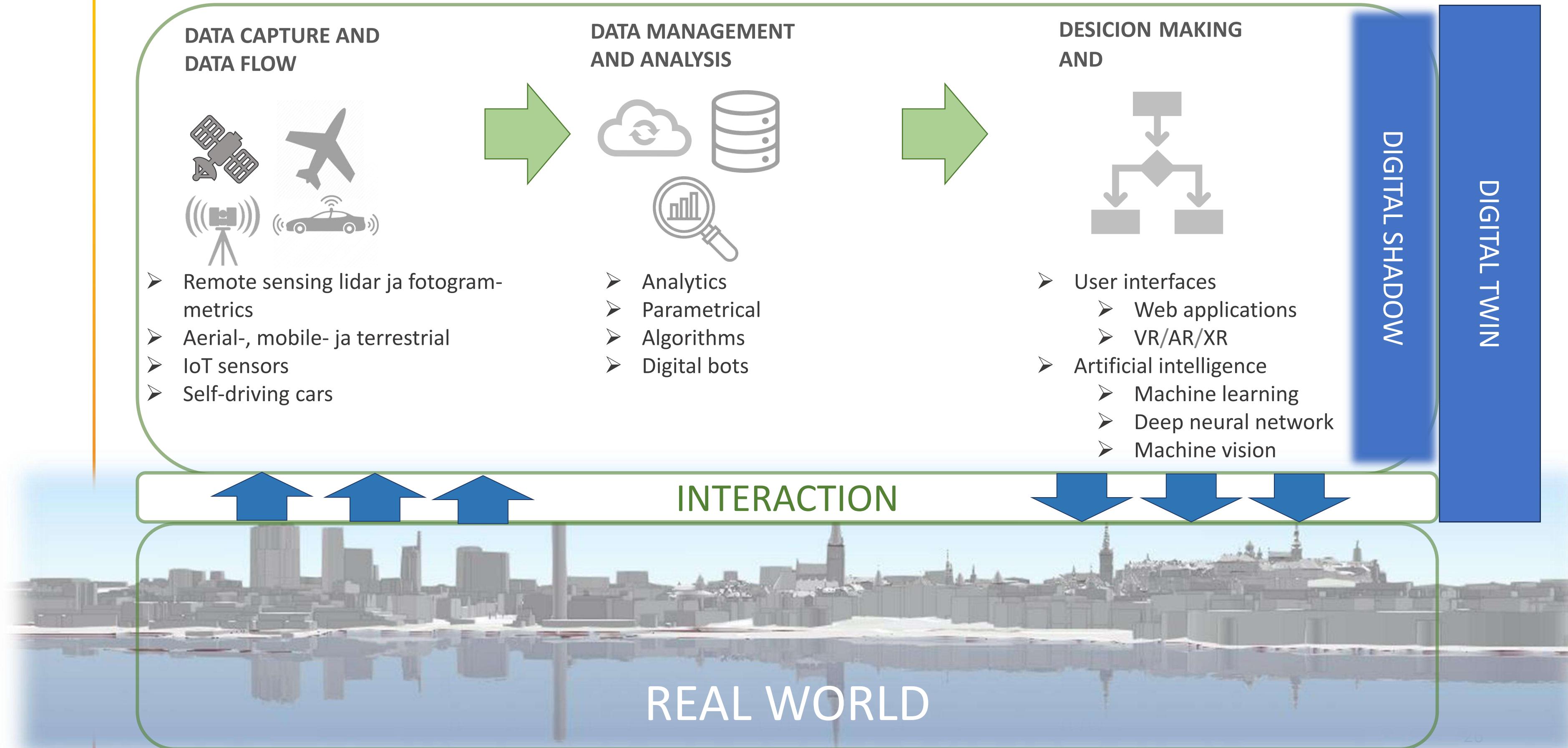
## Kommunikatsiooni näiteid

- Planeeringud ja ruumiloome
- Merevisioon
- Ühistranspordi planeerimine



# Tallinna digikaksiku tehniline raamistik

+



# Aitäh!



**Andres Maremäe**  
Digitaalse kaksiku projektijuht  
[andres.maremae@tallinnlv.ee](mailto:andres.maremae@tallinnlv.ee)

# Eesti vaade andmeruumidele ja -platvormidele



**Ralf-Martin Soe**

nooremprofessor, targa linna tippkeskuse asutaja ja juht  
FinEst Centre for Smart Cities

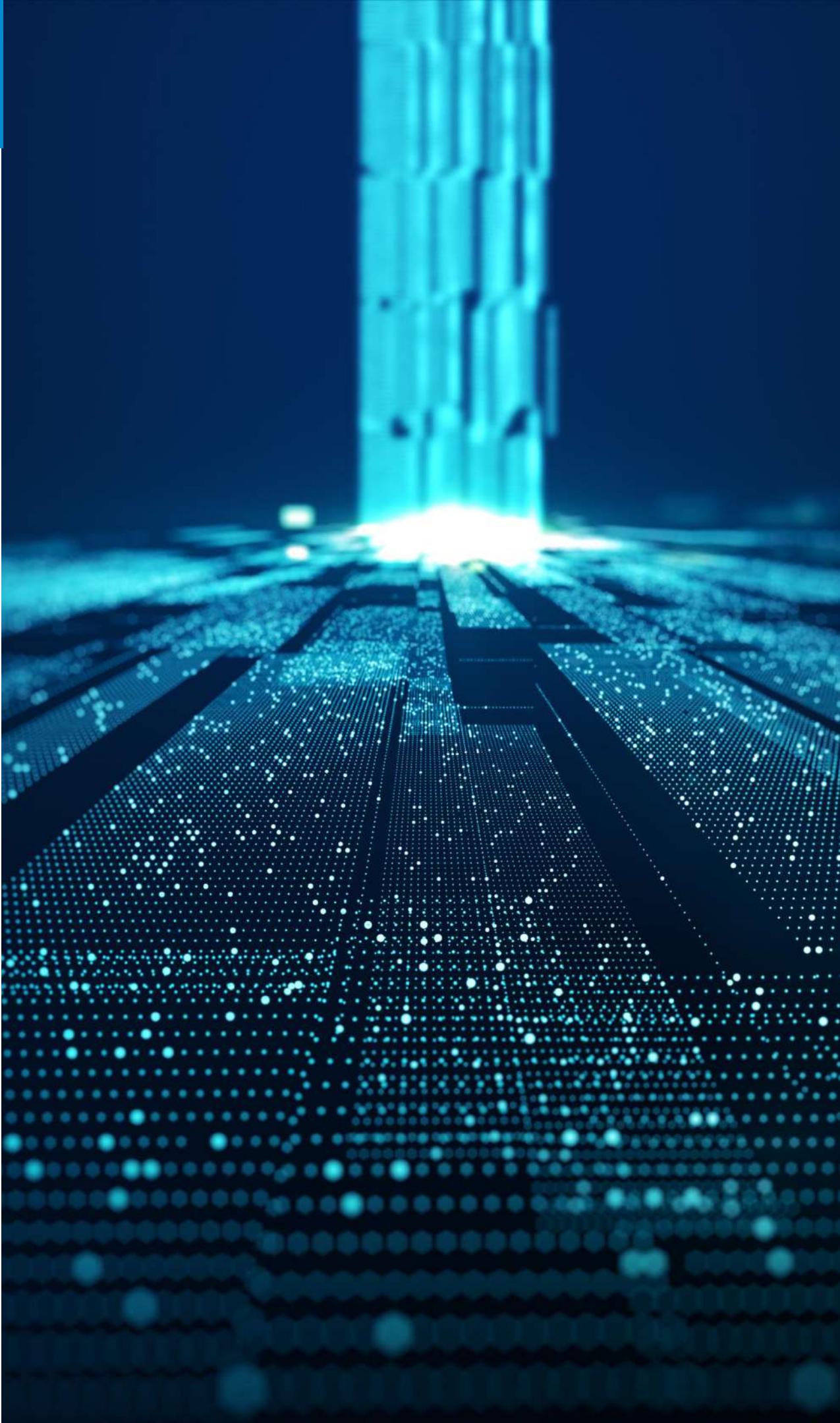
# Ava- ja jagatavad andmed

- Avatud andmed on andmed, millele igaüks võib ligi pääseda, neid kasutada ja jagada.
- Jagatavad andmed on väärthuslikud teistele isikutele või organisatsioonidele peale nende, kes andmed kogusid, kuid mille kasutamine on piiratud konkreetsete organisatsioonide ja nende rollidega ning kindlate eesmärkidega.
- Enamik linnu ja kogukondi pakuvad juba kasulikke avatud andmeid kodanikele ja ettevõtetele, Eesti puhul on need keskselt ühes kohas: <https://avaandmed.eesti.ee>.
- Jagatavate andmete kasutuselevõtt on järgmine suur samm, kus Eesti linnad ja vallad saavad olla teenäitajaks X-tee kogemusega.

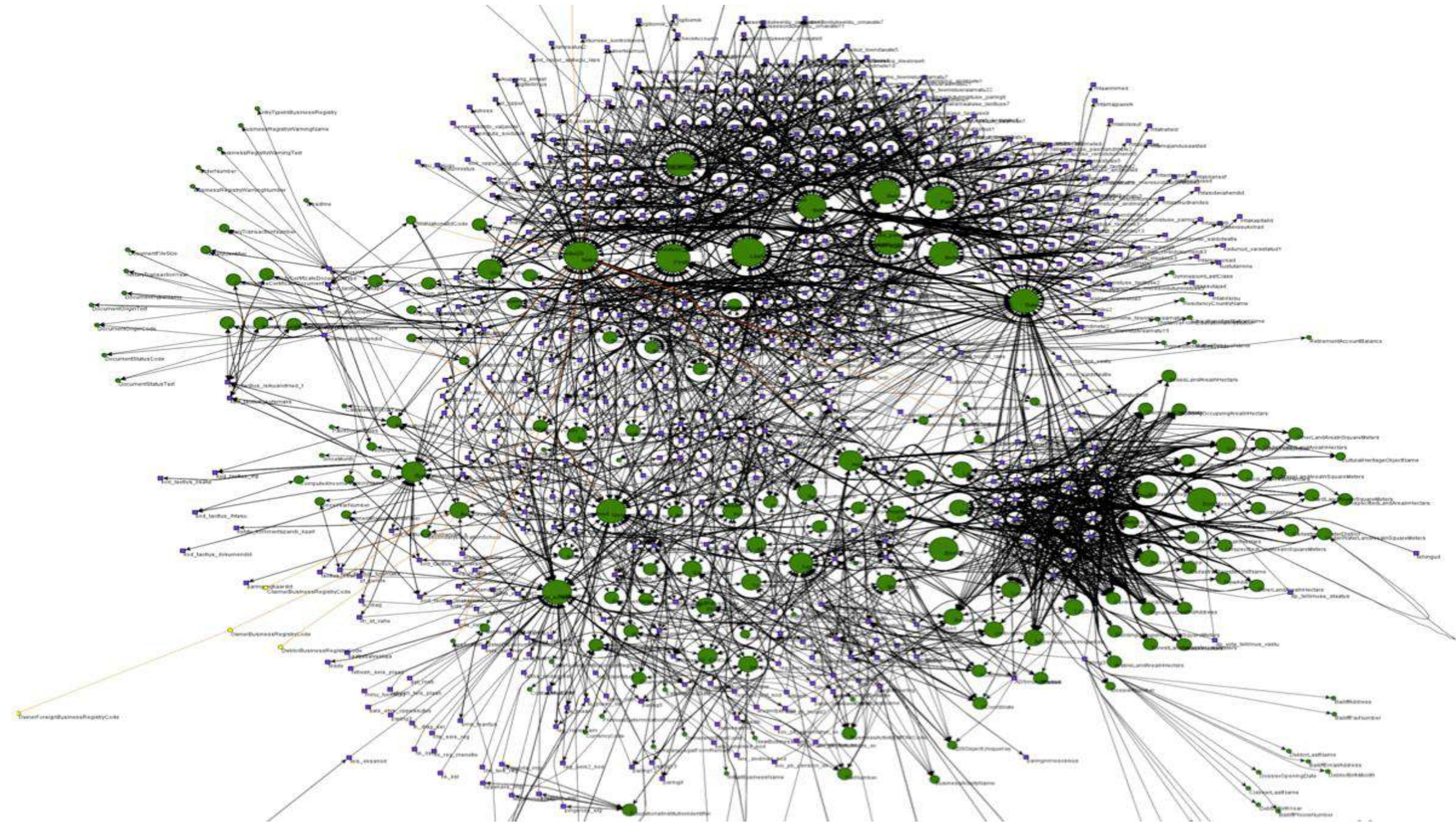


# Andmejärvedest andmeruumideni

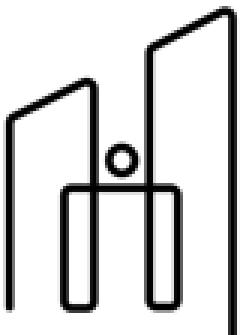
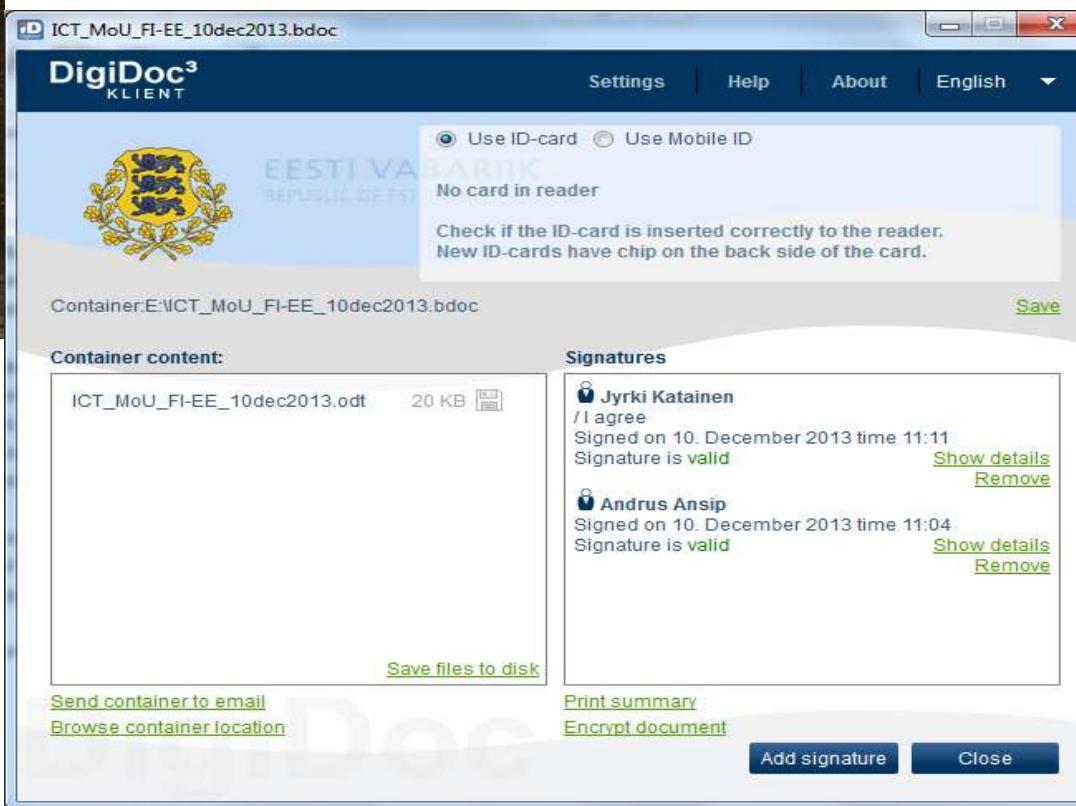
- Traditsiooniline viis linna andmeplatvormi haldamiseks oli luua „andmejärv“ – tsentraliseeritud andmeladu, kuhu linna ja kogukonnaasutused ja nende partnerid kogusid kõik oma andmed, olgu need staatilised või voogedastatud, struktureeritud või struktureerimata.
- Üha enam asendatakse see lähenemisviis andmeruumidega, mis põhinevad andmeökosüsteemidel – sektorite või rakenduste lõikes määratletud hajutatud infrastruktuuridel, mis võimaldavad usaldusväärset andmete jagamist kokkulepitud tingimustel.
- Andmeid hoiab ja haldab jätkuvalt organisatsioon, kes need kogus, kuid need tehakse kätesaadavaks laiemaks kasutamiseks selgete reeglite alusel, kus Eesti on teedrajav.



# Eesti X-tee: jagatavad andmed



# Tark linn $1 + 2 = ?$ = „rumal“ regioon



# „Ülevalt alla“ linnade juhtlauad – aeguvad kiiresti

## TALLINN DASHBOARD

Population: 462 120 (last month: 461 977)

Public services: 568

Land parcels: 38 680 (Owned by the City: 4 704)

Budget 2023: 1 140 966 372 €

CORONAVIRUS IN THE WORLD (JHU CSSE C...): Total Cases: 676,609,95!, Total Deaths: 6,881,955, Total Doses Administered: 13,338,833,198

OPERATIONAL INFORMATION: Map of Tallinn showing operational information with purple dots.

NEWS: Andmed puuduvad

STATISTICS OF TALLINN: General, Population, Education, Healthcare, Social protection, Housing, real estate, Culture, Sports, Tourism, Transport, Economy, Interesting facts.

TRAFFIC: Video feed from Viru väljak (suund Mere pst ja Narva mnt) on 25.11.2023 at 22:35:32.

CITY MODEL: Linnamudel on andmete osas jokksvalt uuenev ning sisu osas täiendav kolmemõõtmeline digitaalne mudel Tallinnast. Mudeli loomisel liigutakse üldisemast detailsemama suunas. Linnamudeli käesolev versioon põhineb Tallinna aluskaardi (mõõtkava 1:2000) andmetel. Kõrgusandmete alusel on visualiseeritud hooned ja rajatised. Vanalinna osas on detailsemad modelleeritud mudelid. Veebihenduse eesmärk on anda kasutajatele linna keskkonnast ruumiline tunnetus. Rakendus võimaldab otsida aadressi, vahetada aluskaarti, kuvada varje, mõõta kõrgusi ning kihte sisse ja välja lülitada.

PLANNING: Kaarti 'Menetletav\_detailplaneering' ei sõa avada.

# Andmeruumid: Eelised ja väljakutsed

## EELISED

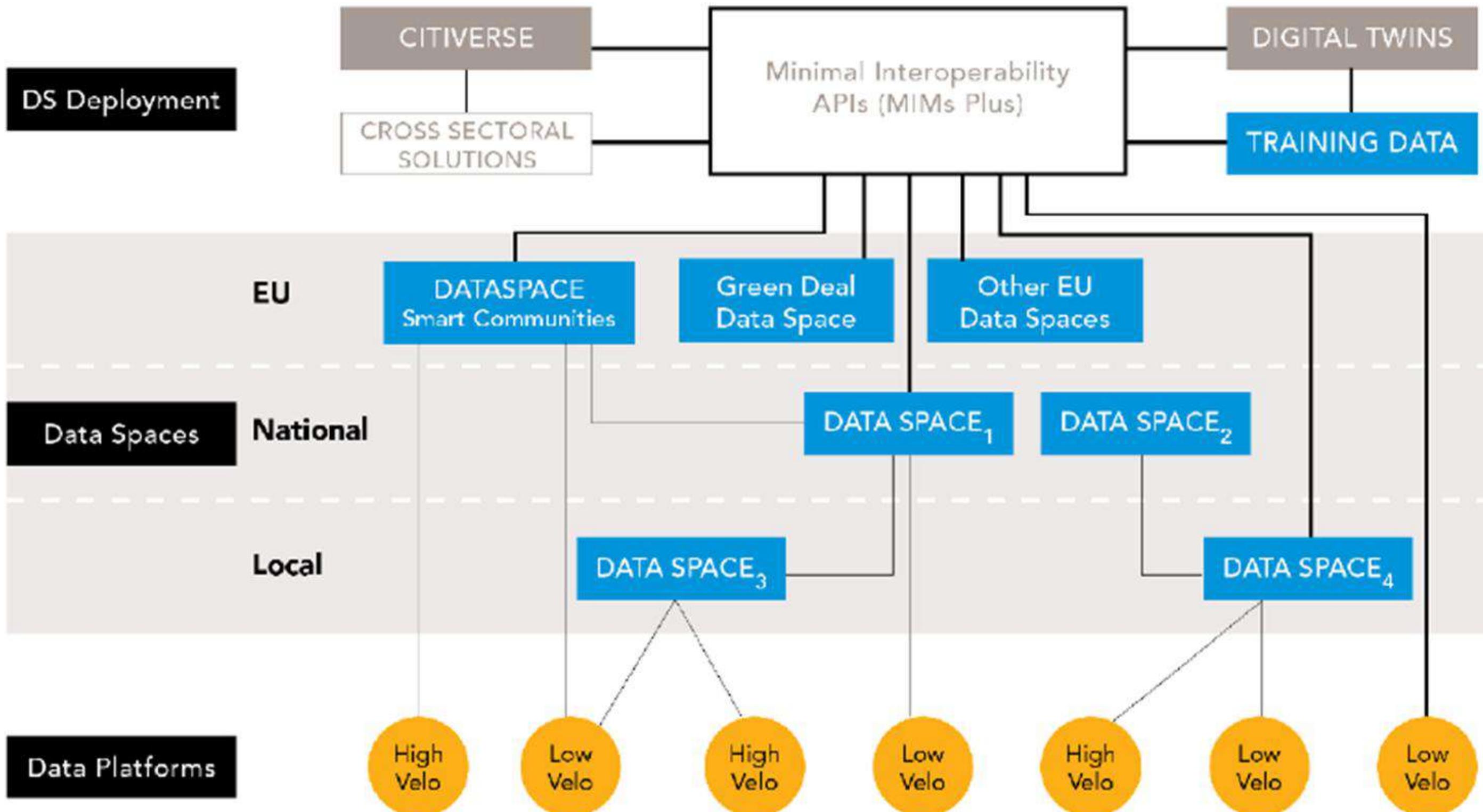
- Andmeruum toetab olemasolevat ökosüsteemi, kus organisatsioonid juba teevad koostööd ühiste eesmärkide saavutamiseks
- Iga organisatsioon säilitab oma andmete omandi ja halduse, kuid jagab neid partneritega kokkulepitud viisil.

## VÄLJAKUTSED

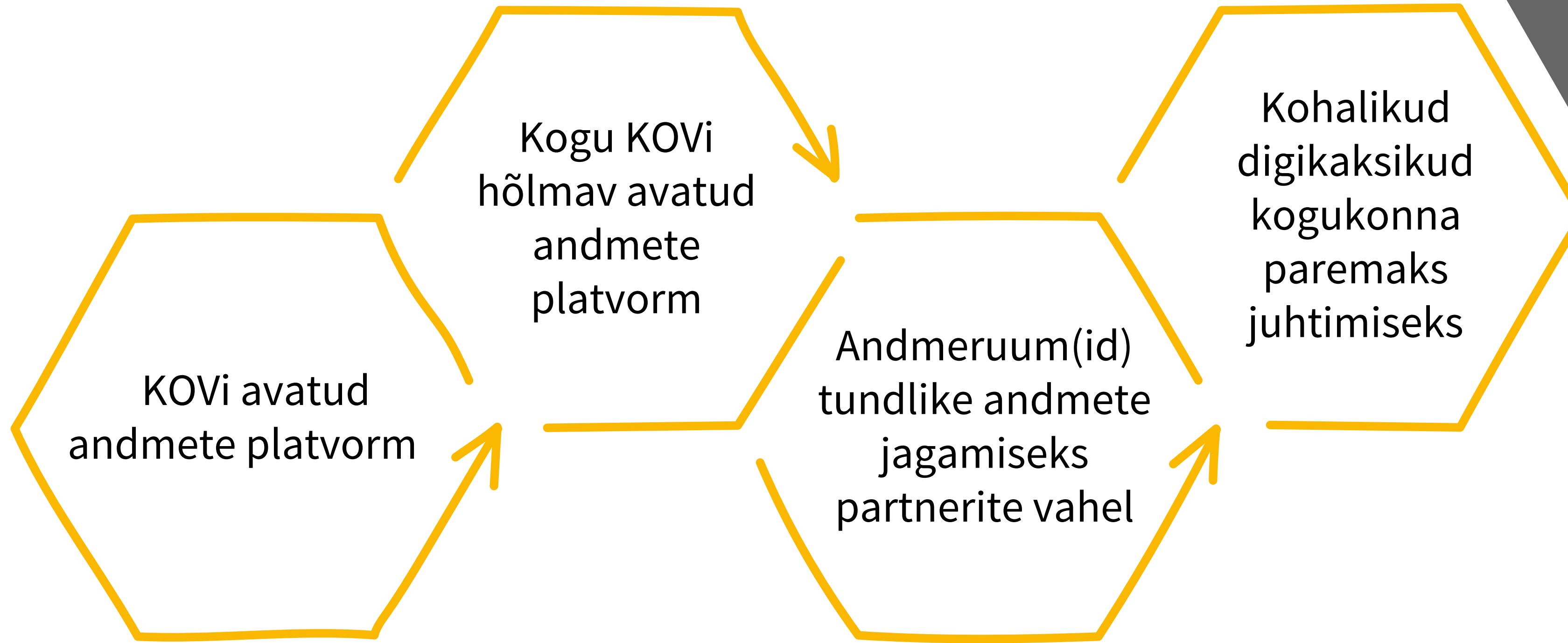
- Vajalik on tehniline koostalitusvõime
- Tuleb kehtestada tugevad valitsemiseeskirjad – sh SLA-d ja sanktsioonid



# Andmeruumide piloodid 2024+



# 4 sammu kohaliku digikaksikuni (LDT)



Kus asub teie KOV?

Mida tuleb teha edasi liikumiseks?

# Minimaalne Koostalitusvõime

- KOVidel ei ole vaja ühendada kogu teavet, mida iga andmekogum sisaldab – on vaja minimaalset, kuid „piisavalt head“ nende eesmärkide saavutamiseks.
- KOVid vajavad „möödapääsuvõimalusi“, et koguda ja ühendada vajalikku teavet erinevate standardite alusel kogutud andmetest.
- Minimaalsed interoperatiivsuse mehhanismid (MIM-id) pakuvad juhiseid, kuidas saavutada piisavalt hea koostalitusvõime, et erinevaid andmeid saaks koos kasutada linna või kogukonna jaoks oluliste teadmiste saamiseks.
- Kas see võiks olla Eestis lihtsam alternatiiv X-teele näiteks erasektoriga koostöös?

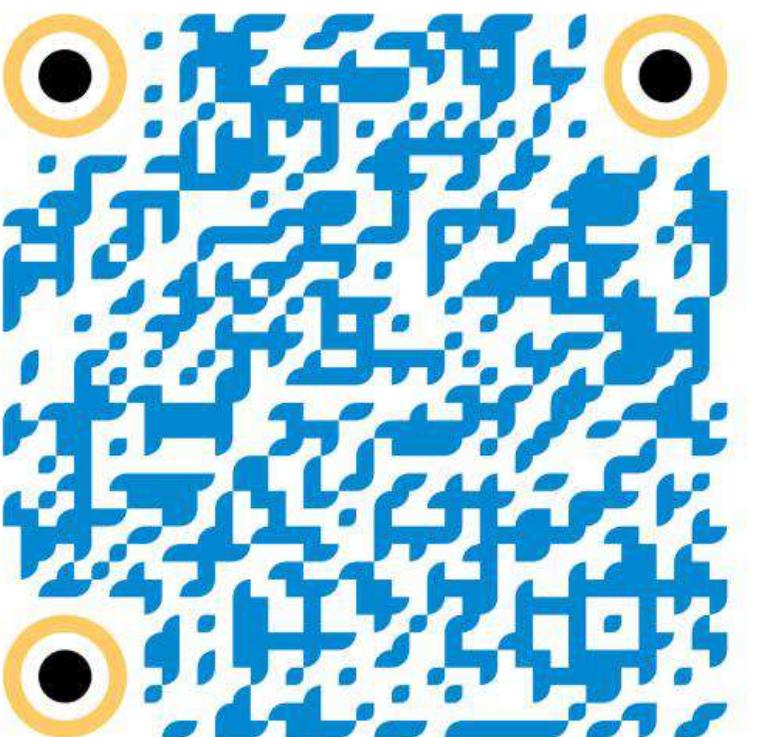
Andmetele juurdepääs	Andmete esitamine	Andmete seostamine	Andmete turvamine	Andmete vahetamine
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# Lisateabe saamiseks:

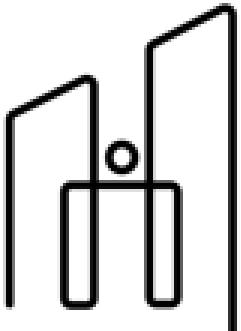
Vaadake MIMs Plus dokumentatsiooni  
**Living-in.eu** veebilehel

*MIMide versioon 7.0 avaldatakse  
peagi Living-in.EU veebilehel*

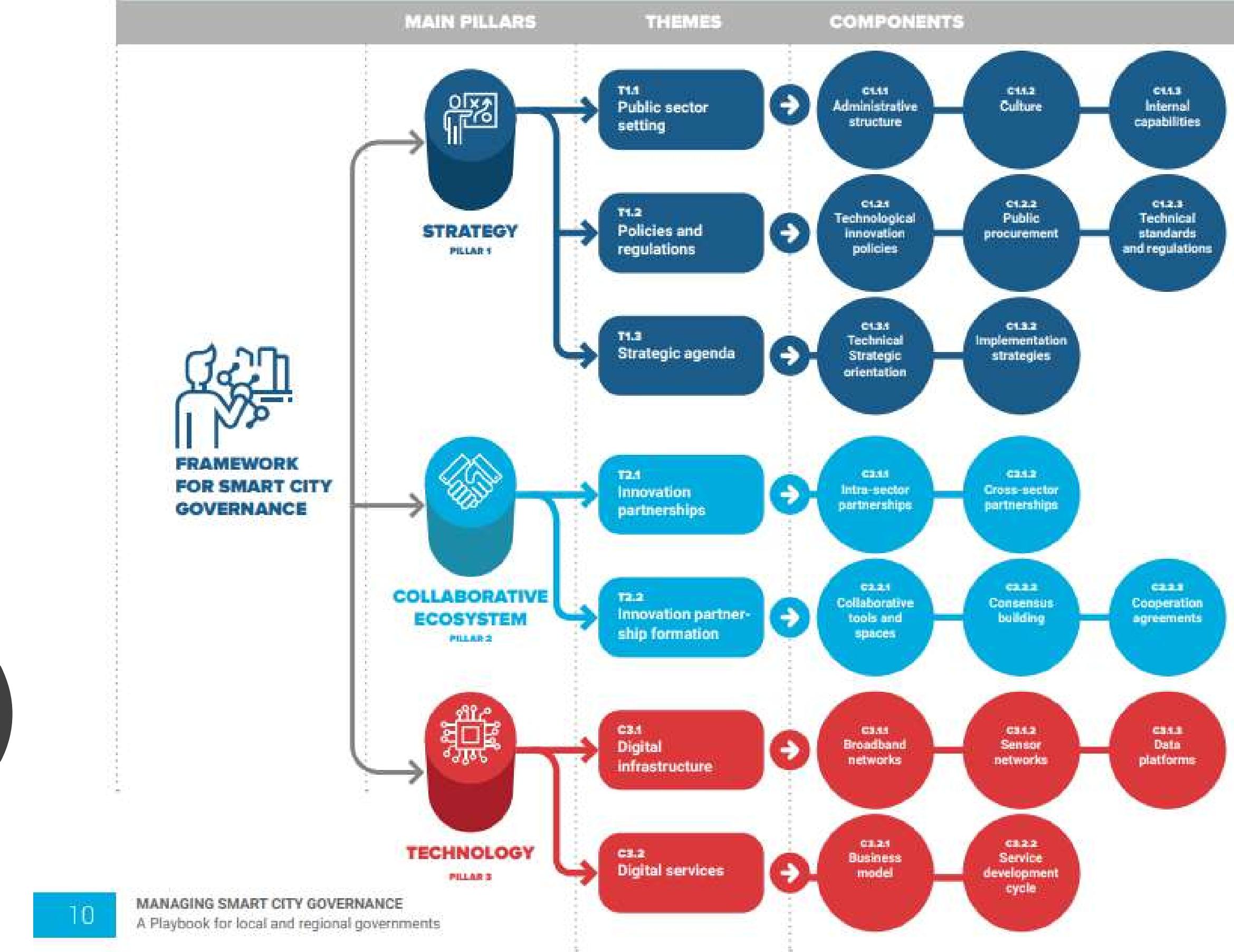


# EESTI KOVIDE ARENGUVAJADUSED (2020)

- Transpordikorralduses ei võeta arvesse kõiki liikumisviise ja nende koostoimet Ebapiisav ühistransport elanikkonnale mugavaks elukorralduseks
- Puuduvad kiired ja säastlikud ühendused tõmbekeskustega
- Hoonete suur energiatarbimine ja kuidas nutikalt toimetada amortiseerunud hoonetega
- Taristu energiaga varustamine tööstuse arenguks
- Süsinikuheitme vähendamine energiatootmises
- Oskused ja võimekus andmete kogumiseks ja kasutamiseks on madalad
- Kogutavad andmed ei ole kättesaadavad erinevatele kasutajagruppidele
- Avalikud teenused ei ole kõigile sihtgruppidele kättesaadavad
- Linna/valla planeerimine ei ole terviklik, optimaalne ja säastlikkust silmas pidav



# Üleilmaline targa linna valitsemise uuring (2023)



[https://unhabitat.org/sites/default/files/2023/11/managingsmartcitygvnce\\_playbook.pdf](https://unhabitat.org/sites/default/files/2023/11/managingsmartcitygvnce_playbook.pdf)

# Magistritöö 2024: Eesti omavalitsuste taristu ja oskused

	<b>Suuremad omavalitsused</b>	<b>Väiksemad omavalitsused</b>
<b>Taristu</b>	Oma serverid, metaandmete haldus, andmevood, andmelaod	Sõltuvus riiklikest süsteemidest (nt X-tee), piiratud taristu
<b>Süsteemide integreerimine</b>	Kohandatud lahendused, sisemised platvormid andmete liigutamiseks	Tuginemine kesksetele süsteemidele; sünkroniseerimise/kasutata vuse probleemid
<b>Oskused ja hooldus</b>	Pühendunud IT-tiimid; teadmiste järjepidevus	Vähesed oskustega töötajad; risk, kui võtmeisikud lahkuvad
<b>Hankimise prioriteedid</b>	Strateegiline, standarditel põhinev, sisemiselt läbi arutatud	Kuluefektiivne, kohene funktsionaalsus
<b>Lahenduste suundumus</b>	Sisehalduses arendus ja haldus	Soovitus suunata ülesanded piirkondlikele/riiklikele asutustele

# Eesti digikaksikud ning nende arengusuunad: Näiteid e-ehituse ja MaRu digikaksikust, nende arendamisest ning võimalustest



**Regina Viljasaar-Frenzel**  
ehituse e-hüppe programmijuht  
Kliimaministeerium

# Eesti digikaksikud ning nende arengusuunad

Regina Viljasaar-Frenzel  
Kliimaministeeriumi ehituse ja elukeskkonna osakond  
e-ehituse platvormi 3D-kaksiku tooteomanik

# Kaardid ja kaksikud

## 1. Staatiline kaart

# Elva geoportaal

ELVA-GIS  
Elva valla avaliku ruumi geinfo

Valguspunkt: Suur

Powered by Esri

# Viimsi Vaal

UARAL

Teed, Teeholdus, Liklus, Sadevesi, Tännevalgustus, Taristu, Elektroniks kaitse, Heakord, Detailplaneeringud, Üldplaneeringud, Maa-amet, Kitendused, Keekond.

Powered by Esri

# Saue valla geoinfo värvav

Saue valla geoinfo värvav

Saue valla

Legend

Kihiloend

Kaamerad

Avaliku ruumi kaamerate asukohad

PPA, Transpordiamet, Saue Vallavalitsus, Saue Vallavarahaldus

Saue Vallavarahalduse jälgitavad alad

Saue - Saue linn, Kultise tn 8, 76005  
Tel: 679 0280  
info@sauevald.ee

# Saku valla geoveeb

Saku valla Geoveeb  
geomõõdistuste infosüsteem

Avalah

Kaart

Mõõdistused

Saku valla Geoveeb

Avalmed: Möödistused

Powered by Esri

# Narva üldplaneering

Narva linna üldplaneering

dge.ee/maps/Narva-linn/3D.html

NARVA LINNA ÜLDPLANEERING

HENDRIKSON DGE

INFO LEGEND KIHID

Üldplaneeringu 3D vaade

3D vaade koosneb kihitest, mida on võimalik alajaotuse 'Kihid' alt ükshaaval sisse/välja lülitada.

Kuidas visandada uusi hooneid?

1. Vajadusel eemaldage alalt hooned 'joonista filter' funktsiooniga.
2. Määrake uue hoonestuse kõrgus ning alustage uue joonestuse visandamist. Klikkides saate märkida uue hoone nurgad, visandamisfunktsiooni lõpetamiseks tehke kaks klikki.
3. Joonistatud hoonel uesti klikkides on võimalik liugurit liutades määra uus kõrgus, seda pöörata ja nihutada ning veel kord klikkides nurgapunktide abil selle kuju muuta.

Kuidas vaadata päevalguse tingimusi?

Päevalguse funktsiooniga saate vaadata nii olemasolevate kui visandatud hoonete paigutust päevalguse suhtes erineval aasta- ja kellaajal.

1. Määrake soovitud kuupäev ning kellaeg, kui soovite päevalguse tingimusi vaadata.
2. Ülemist noolekest vajutades saate päevalguse tingimusi vaadata ööpäeva läikes.
3. Alumisest noolekest vajutades saate päevalguse tingimusi vändata.

18:48 22.04.2025

# Kaandid ja kaksikud

1. Staatiline kaart
2. Automaatselt uuendatav reaalajas andmekaart = digitaalne vari (*digital shadow*)
3. Täielikult interaktiivne, simulatsioonivõimeline platvorm = digitaalne kaksik (*digital twin*)

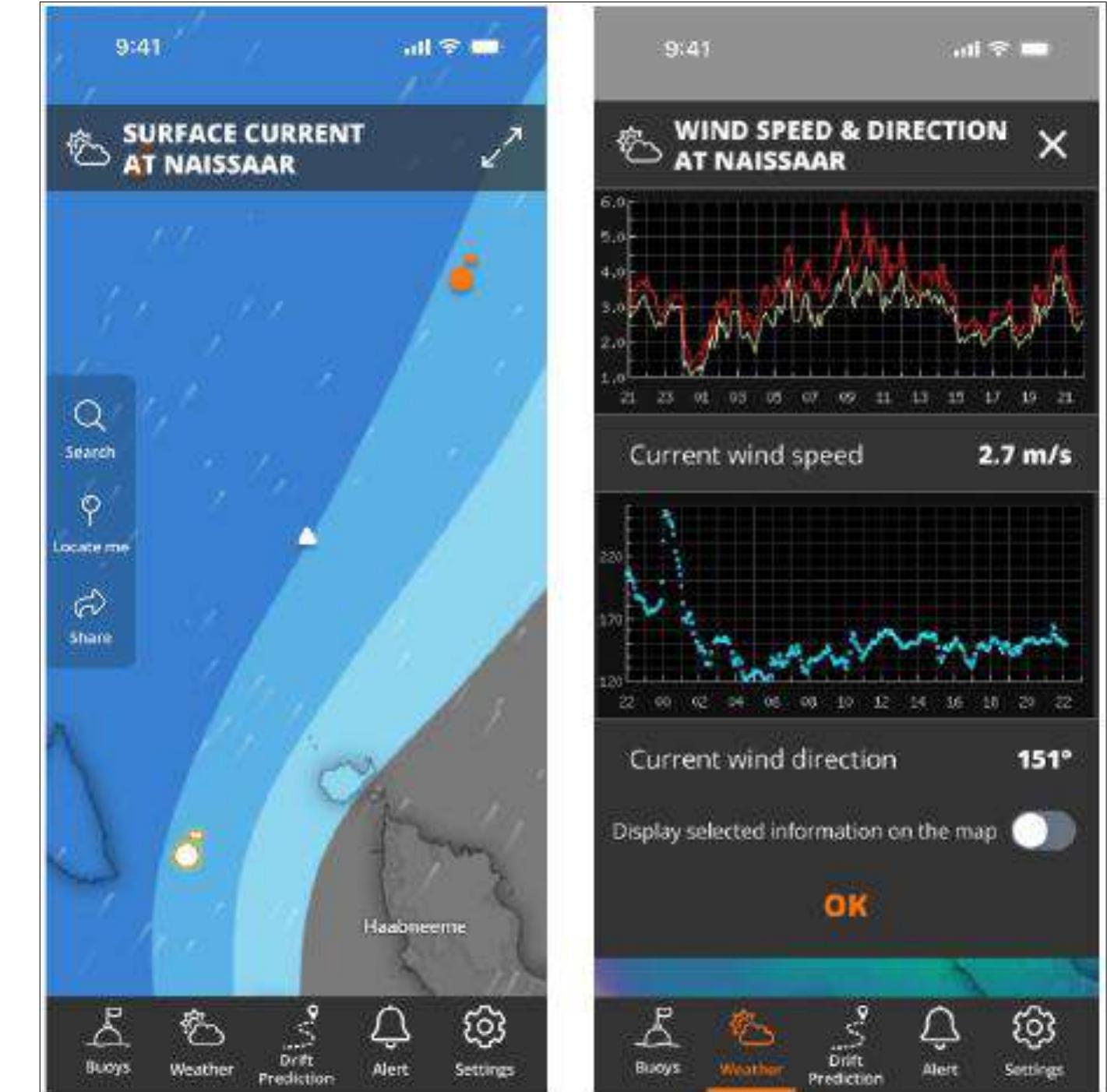
# Mere digitaalne kaksik MEREHUNT (analüüs faas)



*Nutipoi Reedsport Wave Power Station*

## Mida saaks mõõta/koguda:

Vee temperatuur  
Veetase  
Hägusus  
Heljum  
Lainetus  
Hoovused  
Klorofüll  
Radari info  
Soolsus  
Laevajuhi vaade  
Lahustunud hapniku sisaldus  
Meteoroloogilised parameetrid  
Ohtlike ainete sisaldus  
Õhukvaliteet  
Süsini kuringe parameetrid  
Toitainete sisaldus  
Bioloogilised parameetrid  
Elektromagnetlained  
Veealune ja -pealne heli, foto, video



*Eskiis andmete võimalikust kuvamisviisist*

# Kaandid ja kaksikud

1. Staatiline kaart
2. Automaatselt uuenev reaalajas mudel = digitaalne vari  
*(digital shadow)*
3. Automaatselt uuenev, reaalajas, interaktiivne mudel = digitaalne kaksik  
*(digital twin)*

# Maa- ja ruumiameti 3D-kaardirakendus

The screenshot shows a 3D map interface for Elva town, Estonia. The map displays a dense urban area with numerous buildings, roads, and green spaces. A search dialog box is open in the center, showing the results for "Elva linn, Elva vald, Tartu maakond". The left sidebar contains information about the 3D model, including details about buildings, points of interest, trees, and infrastructure like railways. It also provides contact information for the agency.

**Maa- ja Ruumiamet 3D**

**Andmed**

Kaardirakenduse mudelid põhinevad aerolaserskaneerimise kõrguspunktidel. Mudelid on detailsemad tihedasustusaladel ning vähem detailsemad hajaasustusaladel.

- Hooned – ligi 800 000 hoonet, mis põhinevad [ETAK](#) aluskontuuridel. Hoonetele peale klikates avaneb võimalus pääseda välisseisule andmekogudesse. Hooned vastavad [LOD2](#) detailsusastmele.
- Punktipilved – Tallinna, Tartu, Pärnu ja Kuressaare [punktipilved](#), mis on visualiseeritud klasside alusel.
- Puud – aastatel 2020-2022 madallennatud asulate realistikud ja analüütilised puud Esri mudelitena. Puule peale klikates näeb kõrgust, läbimõõtu ja laserskaneerimise aastat.
- Rajatised – liikluskorralduslikud rajatised (sillad ja tunnelid), katusealused ja elektrituulikud põhinevad ETAK aluskontuuridel. Elektrituulikud on loodud kasutades Esri tehnoloogiat.
- [Kõrgusmudel](#)
- WMS alusandmed [katastripiiriide](#) ja [kitsenduste](#) kohta.

Täpsem info: [Geo3D andmed](#)

**Kontakt**

Andres Kasekamp

Lisafunktionsaalsus [stseenivaatriga](#)

**Rakenduses liikumine**

Suumimine  
Liigutamine  
Pööramine

Liigutamine Sõrmega lohistamine  
Suumimine Kahe sõrmega sisse / välja näpistamine või

kõrgus 470,09 meetrit

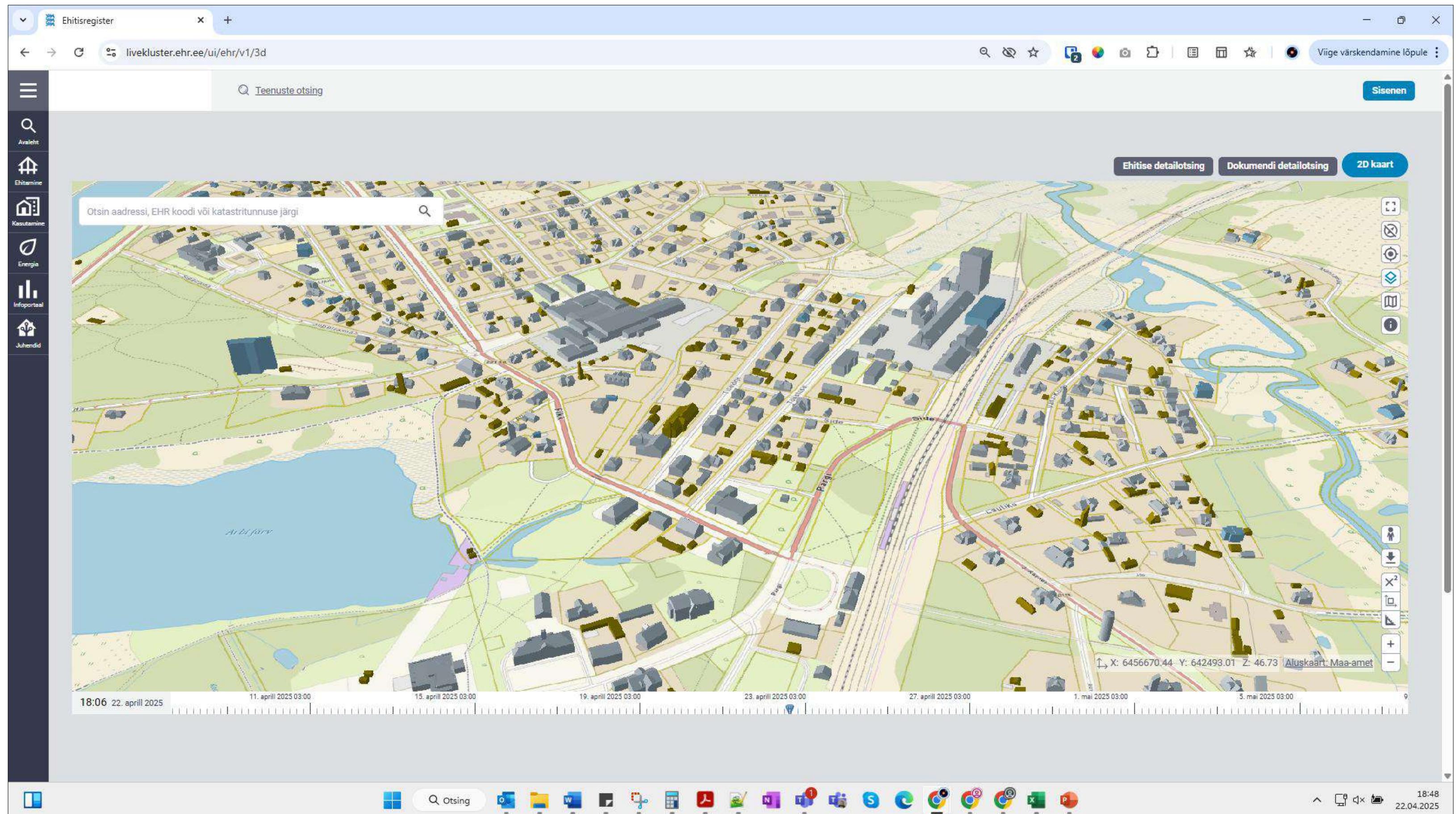
Powered by Esri

otsing

Elva linn, Elva vald, Tartu i

18:49 22.04.2025

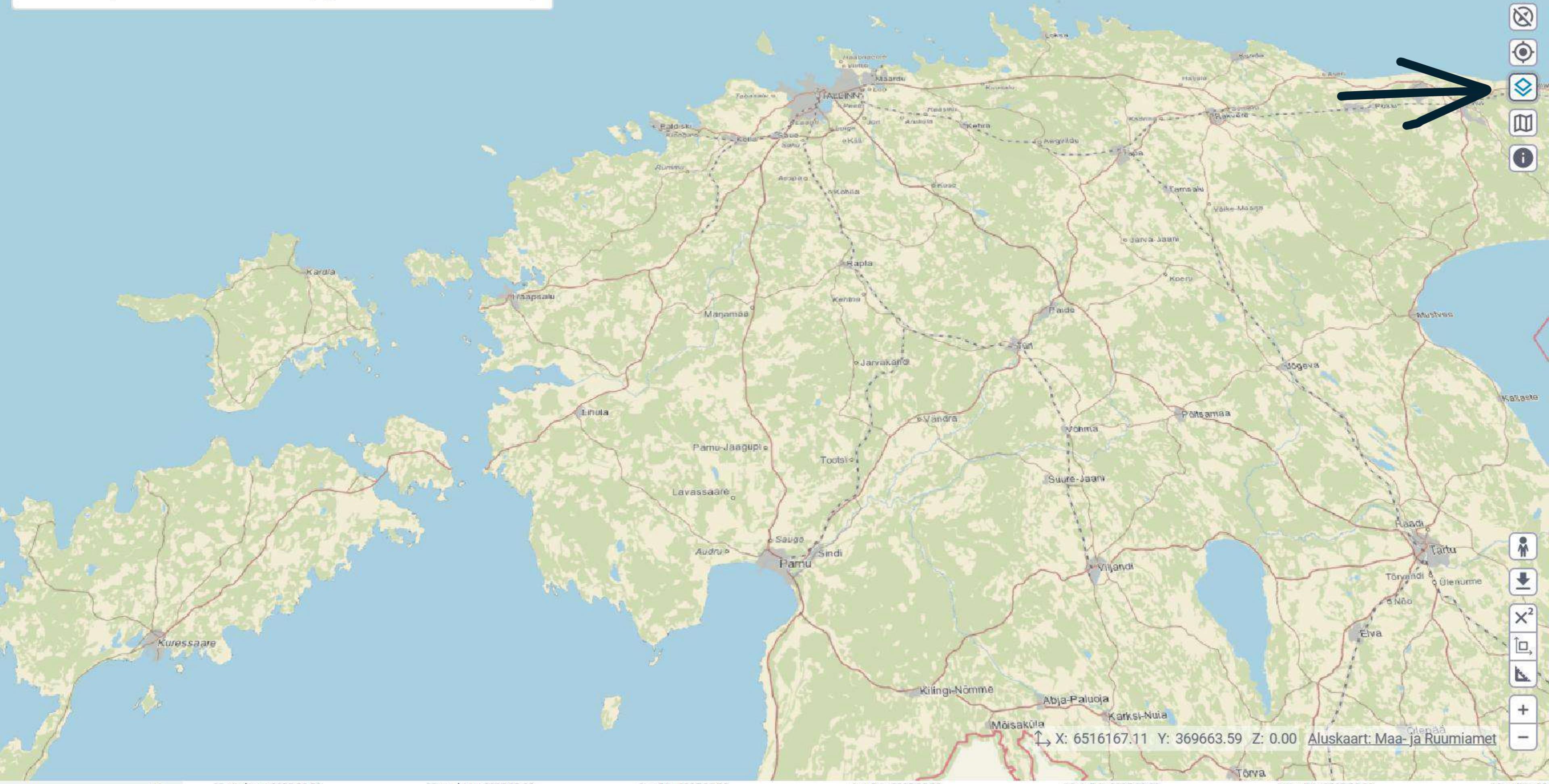
# e-ehituse platvormi 3D-kaksik



Otsin aadressi, EHR koodi või katastritunnuse järgi



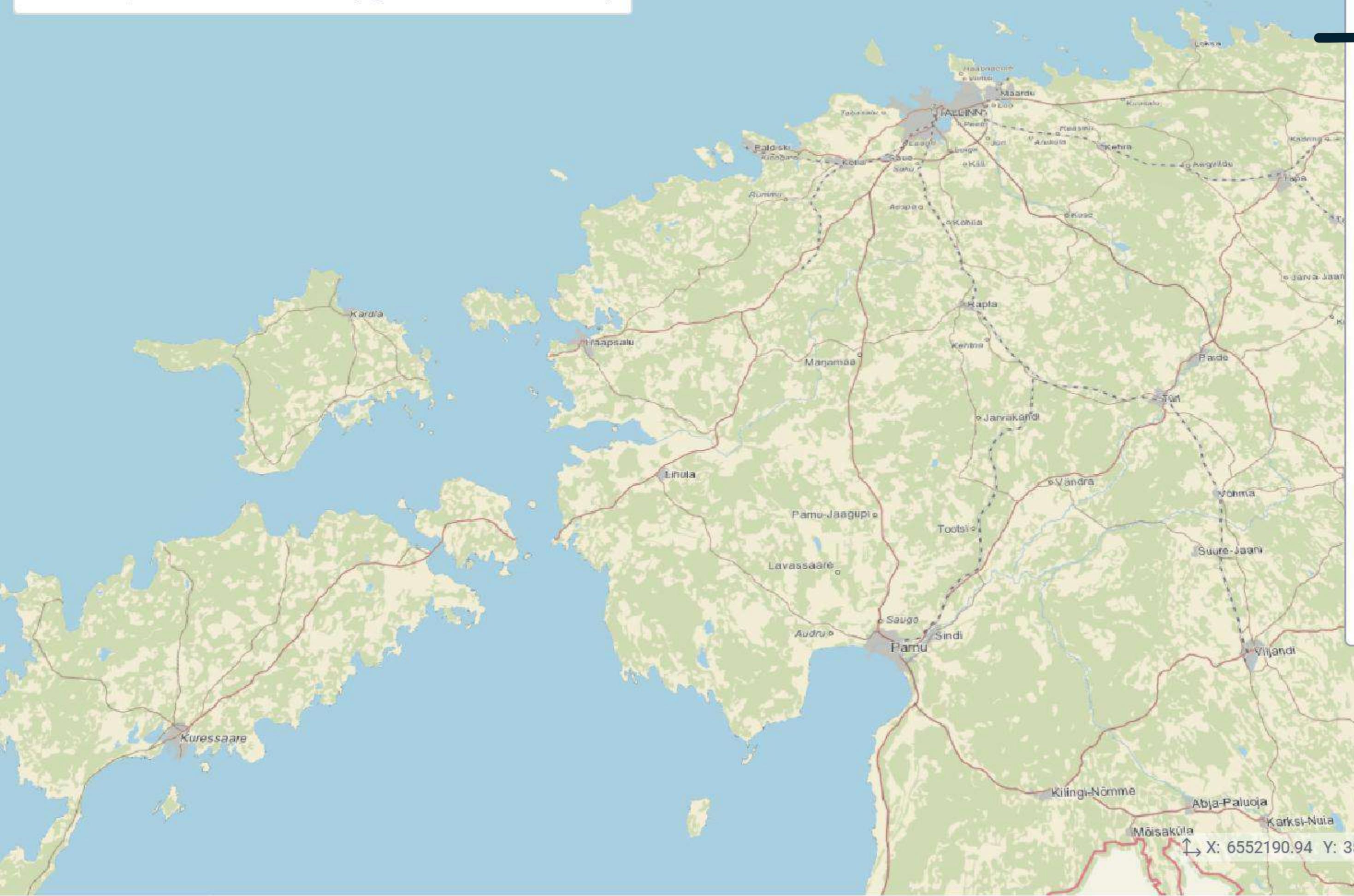
Soomse laht



Otsin aadressi, EHR koodi või katastritunnuse järgi



Soomne laht



+ Ehitised (3D)

+ Hoonete analüütika

+ Planeeringud

+ Keskkonnad

+ Veevõtukohad

+ Vaatekoridorig

+ Teed

+ Alad ja piirangud

+ Infokogumise alad

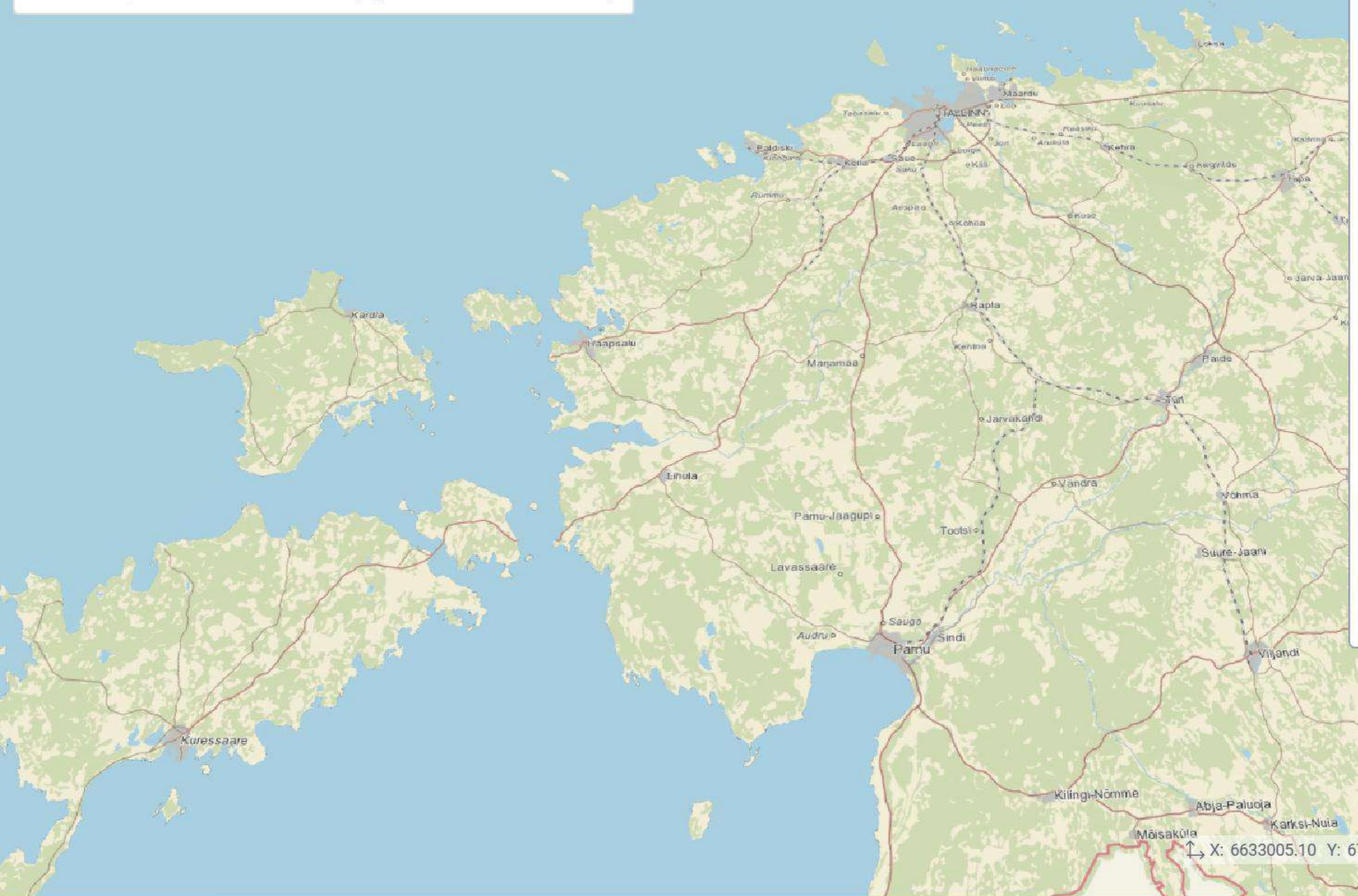
+ Partnerite teenused



Otsin aadressi, EHR koodi või katastritunnuse järgi



Soomne laht



- Ehitised (3D)

Ehitisregister (LOD1)

Hoonete läbipaistvus

0%

Hoonete seisundid

Kavandatav, Lammutamisel, P...

Maa- ja Ruumiamet (LOD2)

Hoonete läbipaistvus

0%

Hoonete varjud

Väljas

+ Hoonete analüütika

+ Planeeringud

+ Keskkonnad



devkluster.ehr.ee/ui/ehr/datel/3d

devkluster.ehr.ee/ui/ehr/datel/3d

Avaloht

Ehitamine

Kasutamine

Energia

Infoportaal

Juhendid

Teenuste otsing

Sisenen

Ehitise detailotsing Dokumendi detailotsing 2D kaart

Otsin aadressi, EHR koodi või katastritunnuse järgi

Vana-Kalamaja Kalamaja Põhja-Patarei Väike-Patarei Kalamaja Tahu Kalamaja Põhja pst

X: 6589699.17 Y: 542417.80 Z: 16.08 Aluskaart: Maa- ja Ruumiameet

19:34 5. märts 2025 22. veebruar 2025 02:00 26. veebruar 2025 02:00 2. märts 2025 02:00

Ehitise detailotsing Dokumendi detailotsing 2D kaart

Otsin aadressi, EHR koodi või katastritunnuse järgi

Vana-Kalamaja Kalamaja Põhja-Patarei Väike-Patarei Kalamaja Tahu Kalamaja Põhja pst

X: 6590317.29 Y: 542351.25 Z: 0.00 Aluskaart: Maa- ja Ruumiameet

19:36 5. märts 2025 22. veebruar 2025 02:00 26. veebruar 2025 02:00 2. märts 2025 02:00

The image displays two side-by-side screenshots of a 3D map application interface. Both screenshots show a coastal urban area with buildings, roads, and water bodies. A search bar at the top left of each screen contains the text "Otsin aadressi, EHR koodi või katastritunnuse järgi". On the far right of each screen is a vertical column of map controls, including icons for zoom in, zoom out, and orientation. The bottom of each screen features a timestamp and date range: "19:34 5. märts 2025" and "22. veebruar 2025 02:00 26. veebruar 2025 02:00 2. märts 2025 02:00" on the left, and "19:36 5. märts 2025" and "22. veebruar 2025 02:00 26. veebruar 2025 02:00 2. märts 2025 02:00" on the right. In the center of each map, there is a callout box with coordinates and a base map source: "X: 6589699.17 Y: 542417.80 Z: 16.08 Aluskaart: Maa- ja Ruumiameet" on the left and "X: 6590317.29 Y: 542351.25 Z: 0.00 Aluskaart: Maa- ja Ruumiameet" on the right. The buildings in the maps are represented by dark grey 3D models. In the left screenshot, a building on the right side of the map is highlighted with a purple color. In the right screenshot, a building on the left side of the map is highlighted with a purple color. The map also includes street names like "Vana-Kalamaja", "Kalamaja", "Põhja-Patarei", "Väike-Patarei", "Kalamaja", "Tahu", "Kalamaja", and "Põhja pst". The overall interface is a web-based application with a light blue header and sidebar.

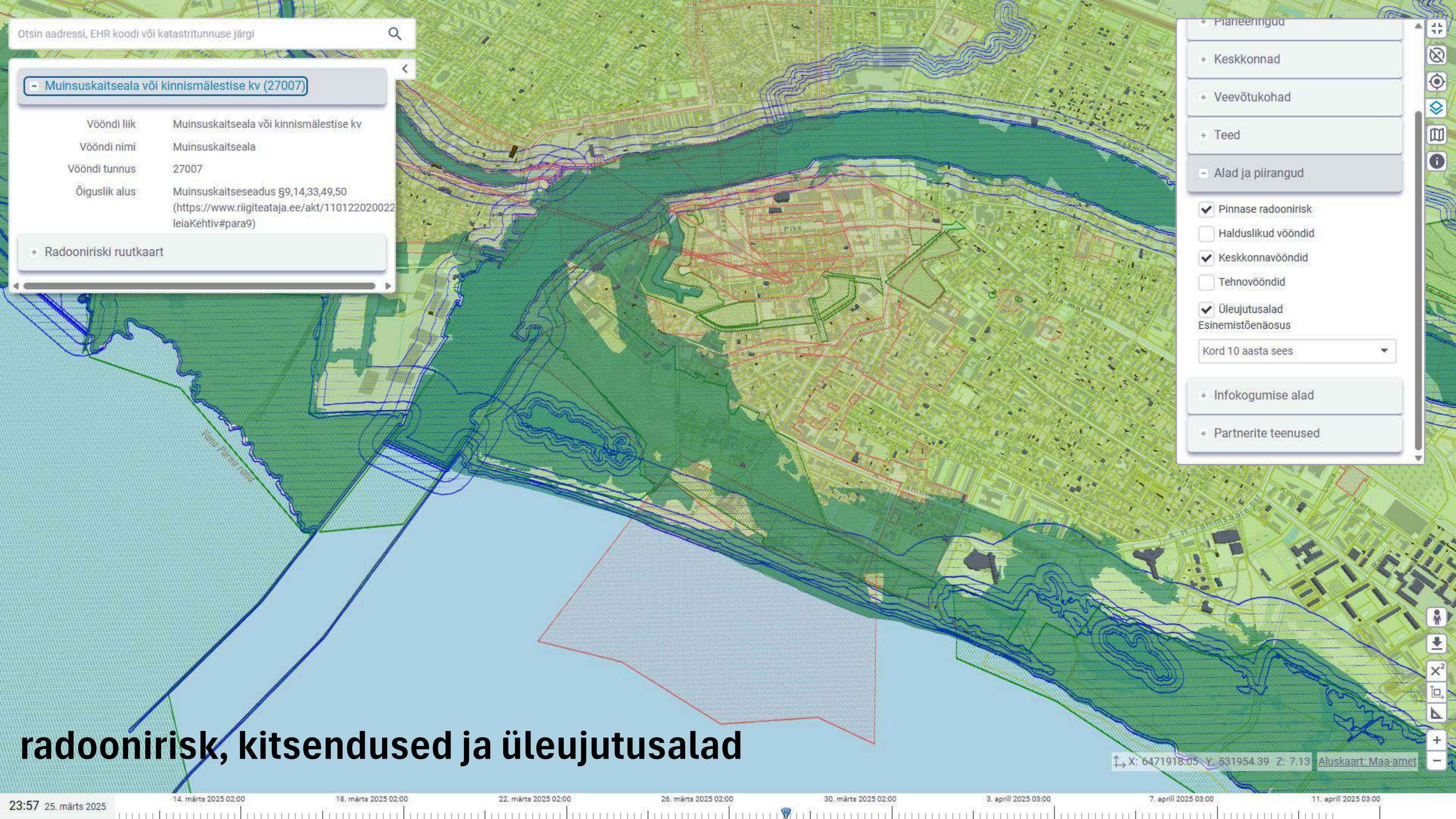
Otsin aadressi, EHR koodi või katastritunnuse järgi



- Muinsuskaitseala või kinnismälestise kv (27007)

Vööndi liik	Muinsuskaitseala või kinnismälestise kv
Vööndi nimi	Muinsuskaitseala
Vööndi tunnus	27007
Õiguslik alus	Muinsuskaitseeadus §9,14,33,49,50 ( <a href="https://www.riigiteataja.ee/akt/110122020022">https://www.riigiteataja.ee/akt/110122020022</a> leiaKehtiv#para9)

#### + Radooniriski ruutkaart



Pianeringud

## + Keskkonnad

#### + Veeyõtukohad

\* Todd

Alodio nitronaud

Pinnase radoonirisk

## Halduslikud võöndid

## Keskkonnavööndid

## Tehnovõöndid

## Üleujutusalad

## Kord 10 aasta sees

#### \* Infokogumise alad

#### + Partnerite teenused

# radoonirisk, kitsendused ja üleujutusalad

X: 6471918.05 Y: 531954.39 Z: 7.13 - Aluskaart: Maa-amet



Otsin aadressi, EHR koodi või katastritunnuse järgi



## + Ehitised (3D)

#### - Hoonete analüütika

Hoone kõrgeim energiamärgis



## • Planeeringud

# analüütika: hoone kõrgeim energiamärgis

X: 6471764.89 Y: 592654.19 Z: 86.39 Aluskaart: Maa-amet

18:06 22. april 2025

11. april 2025 03:00

15. april 2025 03:0

19. april 2025 03

23. april 2025

27. april 202

1. mai 2023

5. mai 20

9. mai 2025 03:00

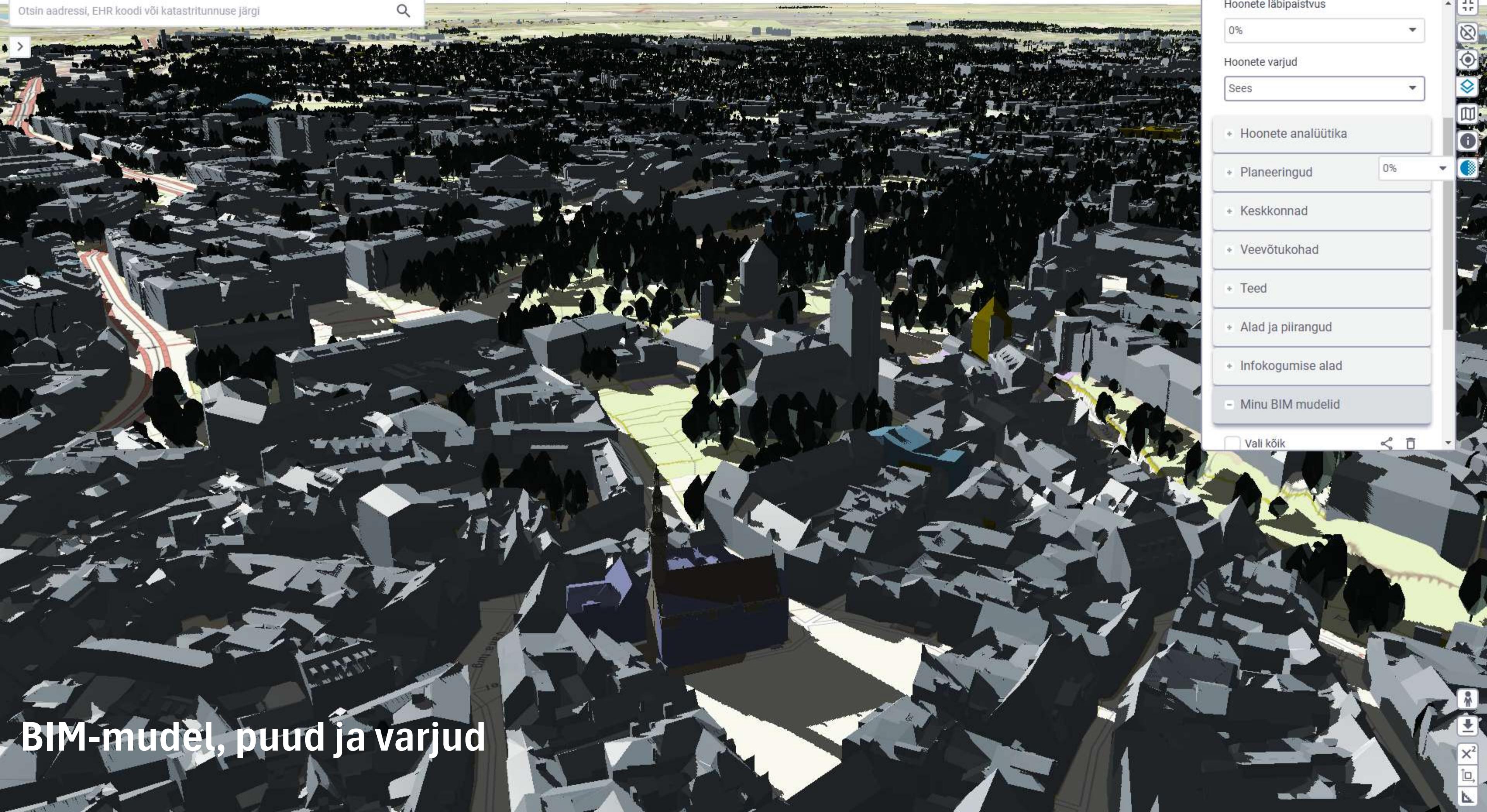
Otsin aadressi, EHR koodi või katastritunnuse järgi





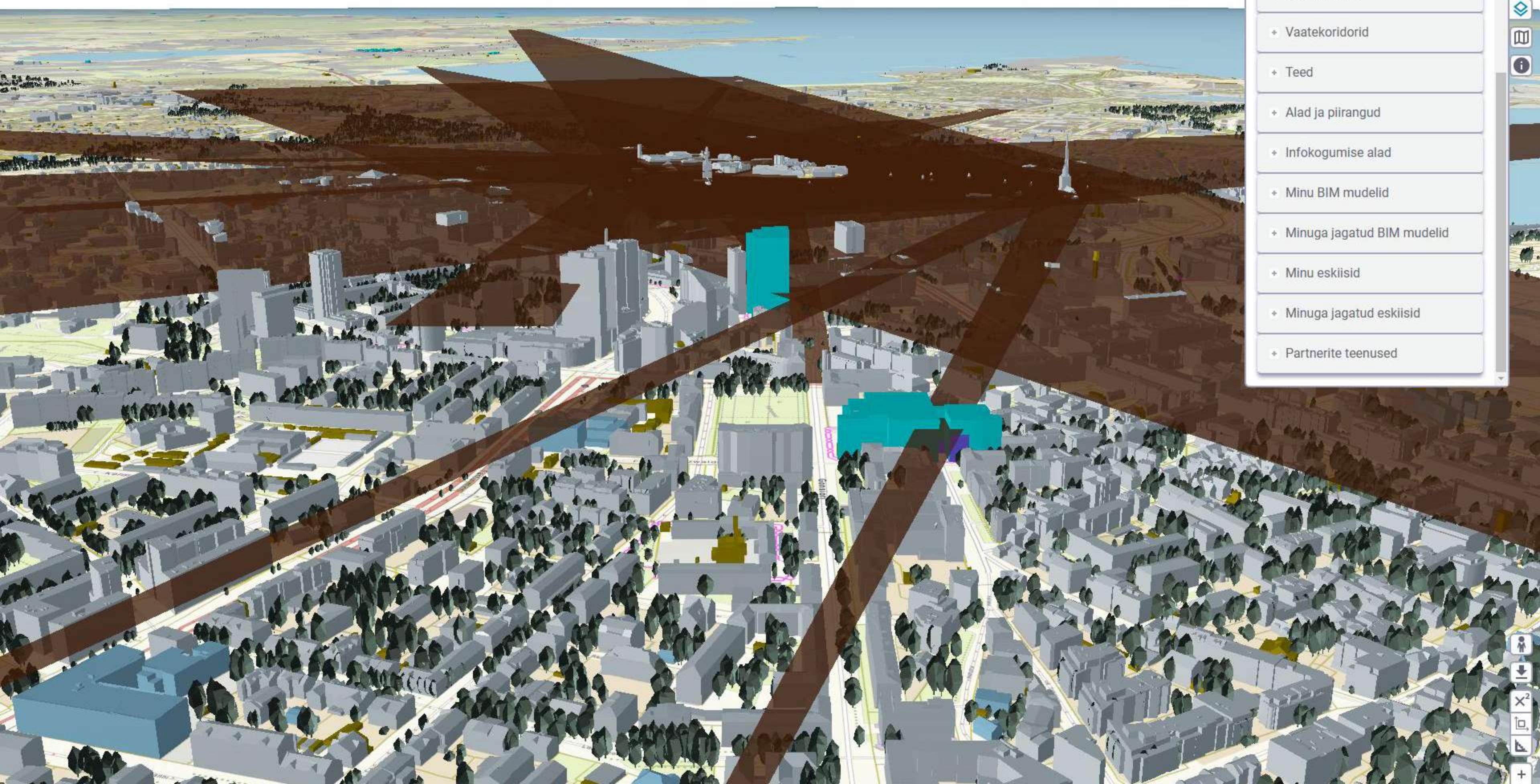
# BIM-mudelid ja inimsilma kõrgusel liikumine

Otsin aadressi, EHR koodi või katastritunnuse järgi



# BIM-mudel, puud ja varjud

# muinsuskaitse vaated, kehtestatud DP-de hoonestusalad



- + Keskkonnad
- + Veevõtukohad
- + Vaatekoridorid
- + Teed
- + Alad ja piirangud
- + Infokogumise alad
- + Minu BIM mudelid
- + Minuga jagatud BIM mudelid
- + Minu eskiisid
- + Minuga jagatud eskiisid
- + Partnerite teenused

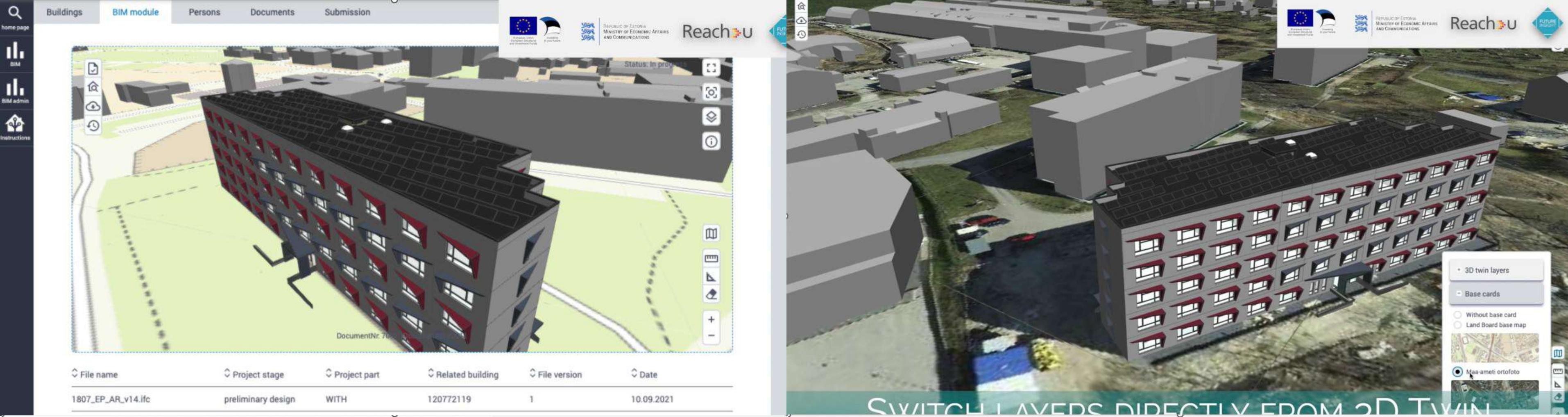


Otsin aadressi, EHR koodi või katastritunnuse järgi



# BIM-mudelid

X: 6588917.81 Y: 543650.69 Z: 4.56 Aluskaart: Maa-amet



**BIM-mudelite automaatkontrollid**

OD SHOW ALL RESULTS FROM ONE CHECK

Inspection results  
Building 120772119      1961 528 270 0

EU European Union  
European Structural and Investment Funds  
Investing in your future

REPUBLIC OF ESTONIA  
MINISTRY OF ECONOMIC AFFAIRS  
AND COMMUNICATIONS

Reach.eu

FUTURE INSIGHT

File name: 1807\_EP\_AR\_v14.ifc  
Project stage: preliminary design  
Project part: WITH  
Related building: 120772119  
File version: 1  
Date: 10.09.2021

EhS Design Conditions  
M28 Special needs of people with disabilities  
Door opening towards evacuation  
§ 20. Requirements for opening of doors (1)  
The door opens in the direction of escape and at least 90 degrees.  
I will look at all the results of this check

Element 5 BY\_DIRECTION  
Element 7 BY\_DIRECTION  
Element 23 BY\_DIRECTION  
Element 27 BY\_DIRECTION  
Element 31 BY\_DIRECTION  
Element 32 BY\_DIRECTION  
Element 61 BY\_DIRECTION  
Element 72 BY\_DIRECTION

3D twin layers  
Base cards  
Without base card  
Land Board base map  
Maameti ortofoto

Inspection results  
Building 311129      1652 471 291 0

EU European Union  
European Structural and Investment Funds  
Investing in your future

REPUBLIC OF ESTONIA  
MINISTRY OF ECONOMIC AFFAIRS  
AND COMMUNICATIONS

Reach.eu

FUTURE INSIGHT

M17 Fire safety requirements for buildings and requirements for fire water supply  
M85 Housing requirements  
Entrance to the dwelling  
§ 3 Requirements for doors, windows and accessibility, subsection (1)  
The dwelling has a separate entrance from the other dwellings through a door  
I will look at all the results of this check

Element 29  
Element 30  
Element 31  
Element 32  
Element 33  
Element 34  
Element 35  
Element 36  
Element 37  
Element 38

01:18,62

01:40,25

E-ehituse platvormi 3D-kaksik – Eesti elukeskkonna digikoopia

- 1. ruumianalüüsiks,**
- 2. ideede katsetamiseks,**
- 3. kommunikatsiooniks,**
- 4. teiste teenuste toimimiseks (nt BIM-loandus, planeerimine),**
- 5. andmeallikaks.**

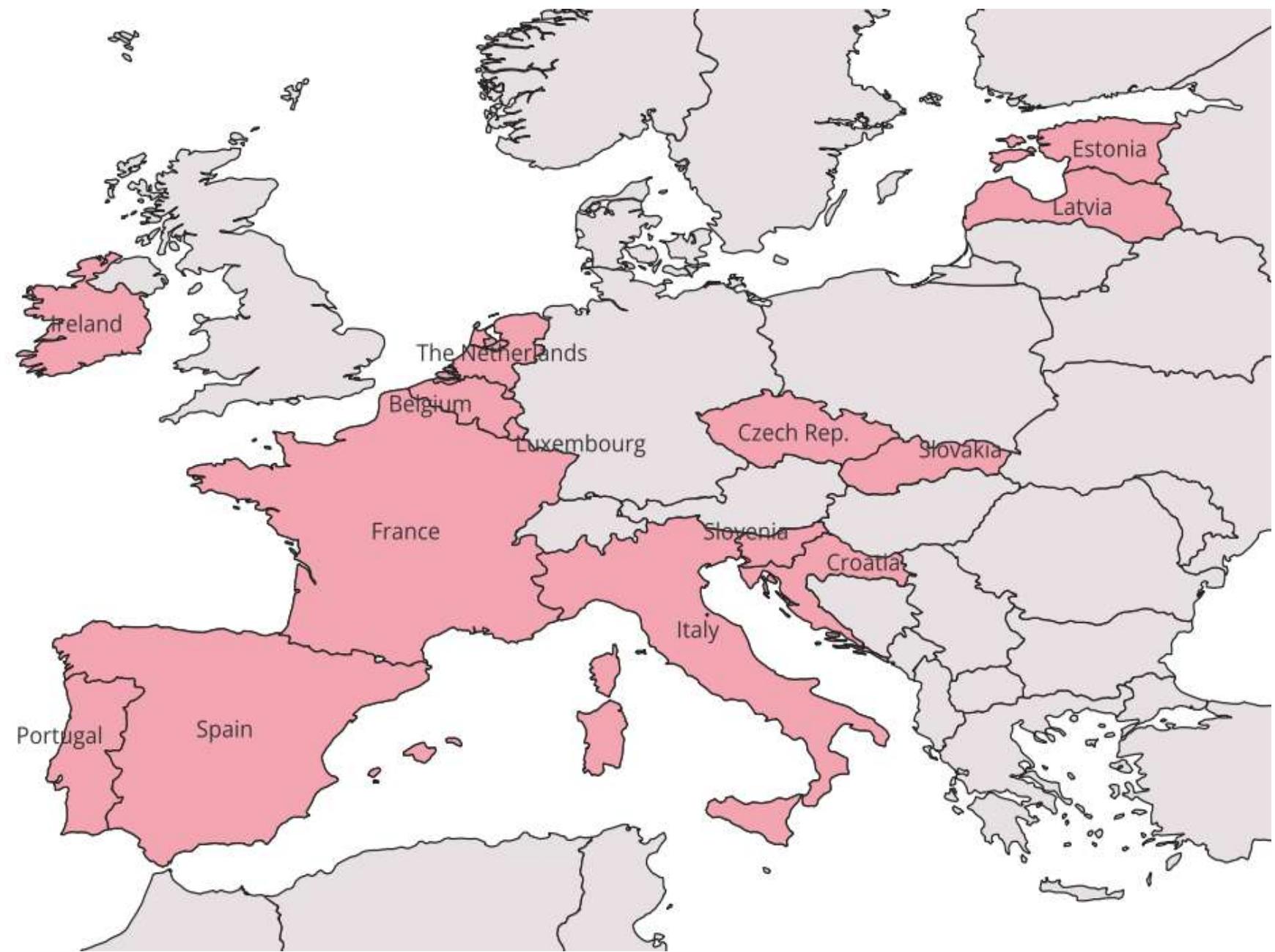
Edasi:

- 1. ühtse 2D- ja 3D-kaardirakenduse loomine (maa- ja ruumiomet),**
- 2. andmete pidev täpsustamine ja kasutajamugavuse tõstmine,**
- 3. edasiarendus ruumianalüüs- ja kommunikatsioonivahendina.**

# Euroopa digitaristu konsotsium (EDIC): The Networked Local Digital Twins towards the CitiVERSE ehk

## CitiVERSE EDIC

- ✓ Juriidiline isik
- ✓ teadmiste ja materjalide jagamiseks,
- ✓ et luua ühtne, jätkusuutlik riikideülene infrastruktuur tarkade linnade ja kogukondade jaoks





04:57 6. märts 2025

22. veebruar 2025 02:00

26. veebruar 2025 02:00

2. märts 2025 02:00

6. märts 2025 02:00

10. märts 2025 02:00

14. märts 2025 02:00

18. märts 2025 02:00

22. märts 2025 02:00

Tänan!

[regina.viljsaar-frenzel@kliimaministeerium.ee](mailto:regina.viljsaar-frenzel@kliimaministeerium.ee)



Rahastanud Euroopa Liit  
NextGenerationEU



Eesti  
tuleviku heaks

- Planeeringud
  - Keskonnad
  - Taimestik tihedasustuses
  - Taimestik hajaasustuses
  - Katastriüksused
  - Kohanimede sildid
- 0%
- Veevõtukohad
  - Teed
  - Alad ja pilrangud
  - Infokogumise alad
  - Minu BIM mudelid

- Vali kõik
- Raekoja plats 1 V4

1, X: 6585789



TIME	TEEMA	ESINEJA
10:00 - 10:10	Tervitussõnad & sissejuhatus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
10:10 - 10:30	Enabling Smart Communities in EU, Estonia and beyond (in English)	<b>Helen Köpman</b>   European Commission
10:30 - 10:45	Milleks meile digikaksikud?	<b>Andres Maremäe</b>   Tallinna Strateegakeskus
10:45 - 11:00	Eesti vaade andmeruumidele ja -platvormidele	<b>Ralf-Martin Soe</b>   FinEst Centre for Smart Cities
11:00 - 11:15	Eesti digikaksikud ning nende arengusuunad	<b>Regina Viljasaar-Frenzel</b>   Kliimaministeerium
11:15 - 11:30	Paus	
11:30 - 11:50	Organisatsioonide andmeküpse mõõtmine ja kasvatamine	<b>Kuldar Aas</b>   Justiits- ja Digiministeerium
11:50 - 12:30	Digital Maturity Assessment with LORDIMAS tool   Creating Your Digitalisation Roadmap & Securing the Right Procurement Support ( <i>inglise keeles</i> )	<b>Martin Gauk</b>   ESPON <b>Ignacio Garcia Vega</b>   Serendipity
12:30 - 13:30	Lõuna	
13:30 - 13:55	Näiteid elust enesest: Eesti omavalitsuste võimalused ja vajadused	<b>Külle Tärnov</b>   FinEst Centre for Smart Cities <b>Katrin Rajamäe-Soosaar</b>   Eesti Linnade ja Valdade Liit
13:55 - 14:10	Rahastusvõimalused kohalikele omavalitsustele	<b>Tiiu Treier</b>   Ettevõtluse ja Innovatsiooni Sihtasutus (EIS)
14:10 - 15:10	Töötuba: Kiired võidud ja koostöövõimaluste kaardistus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
15:10 - 16:00	Lõppsõna & vabas vormis vestlused AvaLinnas	

# Organisatsioonide andmeküpse mõõtmine ja kasvatamine



**Kuldar Aas**

andmehalduse programmijuht  
Justiits- ja Digiministeerium

# Organisatsioonide andmeküpsuse mõõtmine ja kasvatamine

Kuldar Aas (JDM)



JUSTIITS- JA DIGIMINISTERIUM

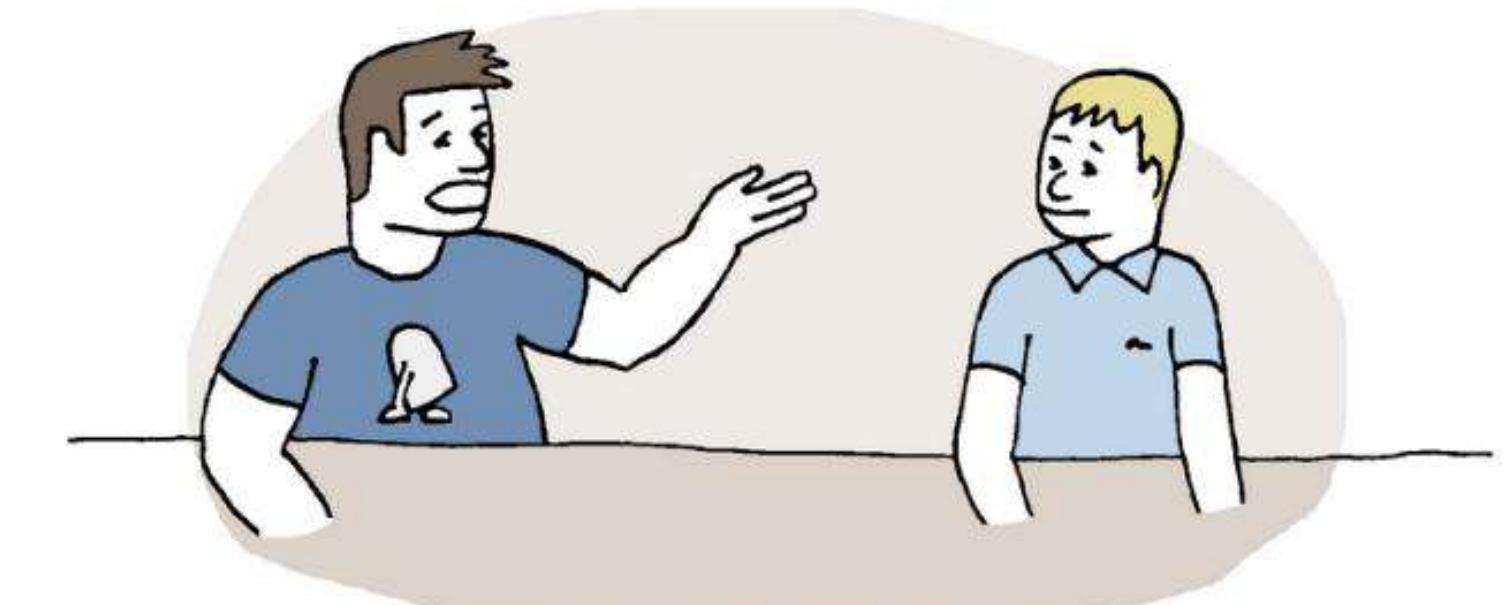
# Andmepõhine organisatsioon

Süsteemne andmekorraldus

Andmekultuur ja -oskused

Põhimõtted ja juhised

Tööriistad

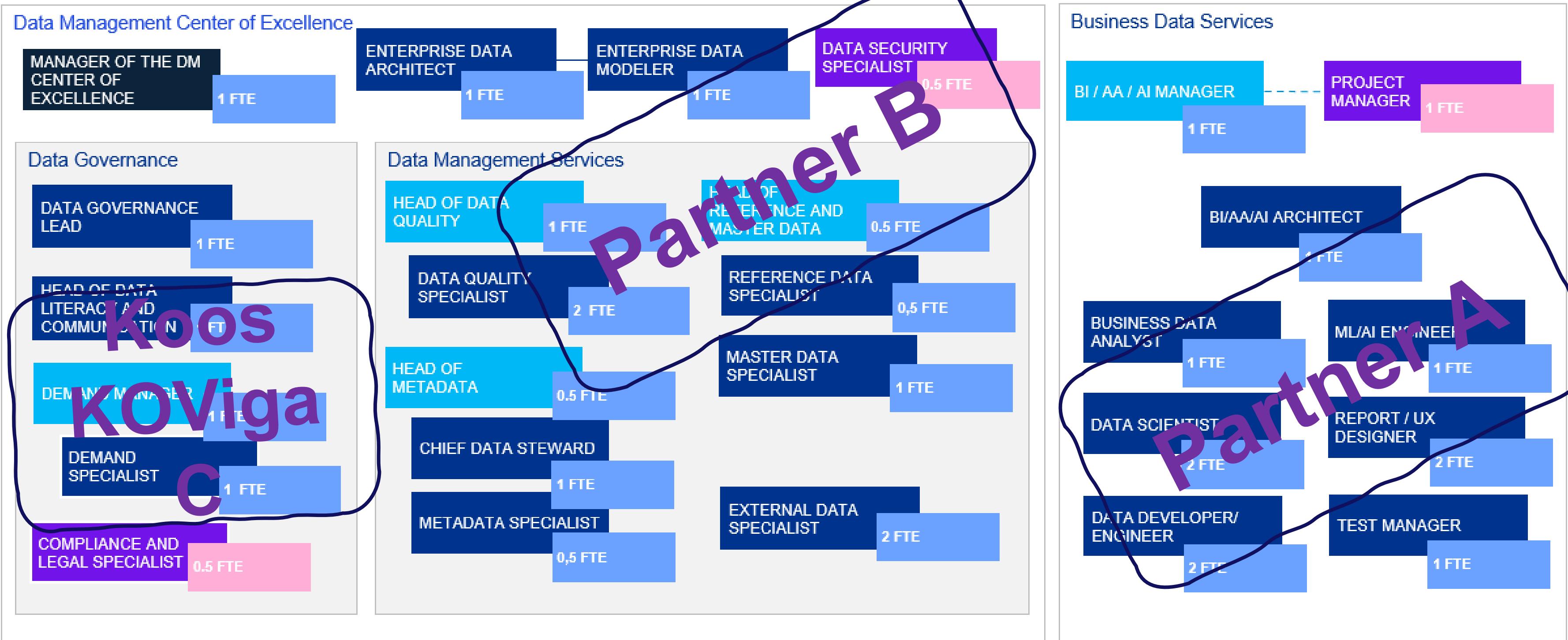


LIFE WAS SO MUCH EASIER BACK IN THE DAY. YOU JUST CREATED A TABLE WITHOUT THINKING TOO MUCH ABOUT IT. NOW, PEOPLE ARE COMING EVERY DAY AND TALK ABOUT GOVERNANCE, CLEANSING, PROTECTION, INTEGRATION, ANALYTICS AND ALL THE THINGS I DON'T EVEN REMEMBER.

# Mudeliga või mudelita?

- Mis on minu (andme)eesmärkide saavutamiseks kõige olulisem(ad) võimekus(ed)?
- Mis juhtub kui ma mõne võimekusega ei tegele?
- Kui pikk tee on veel minna?
- Millise profiiliga inimesi peaksin palkama, kuidas praeguseid töötajaid koolitama?
- ...

# HEAD of DATA MANAGEMENT / CHIEF DATA OFFICER



**Samm 2. Palun vali siniste kastide paremas nurgas olevatest rippmenüüsdest seisund, mis kõige paremini kirjeldab praegust olukorda**

Kontrollnimekirja elemendi praegune seisund	Kontrollnimekirja element	ID
<b>Pooleli, edenemine on märgatav</b>	Korraldus (või otsus) asutuse andmeüksuse loomiseks on olemas.	Checklist-1
<b>Rakendatud, dokumentatsioon piisav</b>	Määratud on andmeüksuse loomise ja haldamise eest vastutav isik (andmevaldkonna juht).	Checklist-2
	dmeüksuse ootused ja vajadused on juhtkonnas esindatud (nn sponsor).	Checklist-3
Ei ole alustatud	On olemas rahastamisallikad andmeüksuse käivitamiseks. Vajadusel tutvu projektide rahastuse võimalustega (nt EL-i projektirahastusprogrammid).	Checklist-4
Alustatud, kuid vähene edenemine	On teada rahastusmudel andmeüksuse järjepidevaks toimimiseks (nt asutuse eelarvelised vahendid).	Checklist-5
Pooleli, edenemine on märgatav	Asutuse andmeküpsuse hindamine on läbi viidud. Samuti on defineeritud küpsustaseme eesmärk erinevates andmehalduse valdkondades 3 aasta pärast.	Checklist-6
Rakendatud, dokumentatsioon puudulik	Andmeüksusele kohalduvad õigusaktid ja nõuded on kaardistatud (nt piiratud juurdepääsuga teabe ja isikuandmetega seotud nõuded või valdkondlikest õigusnormidest tulenevad nõuded). Palun täitke leht "6. Tegevuskava õiguslik osa".	Checklist-7
Rakendatud, dokumentatsioon piisav	Andmete töötlemisel järgitakse Eesti infoturbestandardit (edaspidi E-ITS) ja rakendatakse sellest tulenevaid turvameetmeid.	Checklist-8
Ei kohaldata	On kaardistatud, milliseid teenuseid (avalikke, tugi-) asutus pakub. Antud punkt on sisend andmevaldkonna strateegia koostamiseks.	Checklist-9
Ei tea	On teada asutusele mõju avaldavad andmete töötlemise eripärad, näiteks: - suurandmete töötlemine - mitte-struktureeritud andmete töötlemine - eriliigiliste isikuandmete töötlemine.	Checklist-10

HEAD of DATA MANAGEMENT / CHIEF DATA OFFICER

Data Management Center of Excellence

MANAGER OF THE DM  
CENTER OF  
EXCELLENCE

ENTERPRISE DATA  
ARCHITECT

ENTERPRISE DATA  
MODELER

DATA SECURITY  
SPECIALIST

DATA SCIENCE  
SPECIALIST

DATA ANALYST

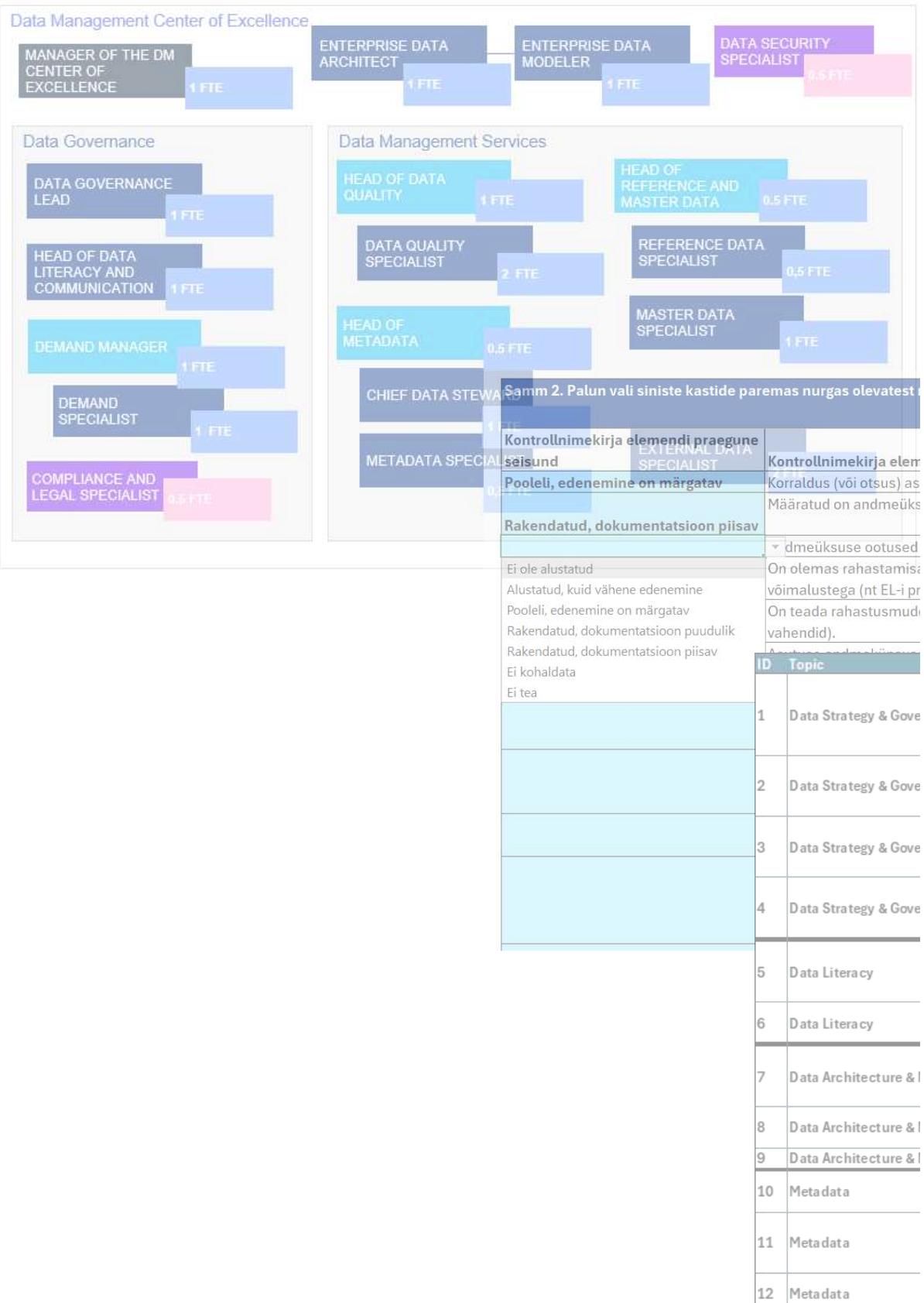
DATA MANAGER

PROJECT

Business Data Services

ID	Topic	Question	Current data maturity level	Proof	Comments
1	<b>Data Strategy &amp; Governance</b>	Has the Entity established & implemented Data Management & Governance Strategy together with Key Performance Indicators (KPIs) that can be continuously measured to ensure optimization?	2 - Emerging		
2	<b>Data Strategy &amp; Governance</b>	Has the Entity established and implemented Data Management Policies, Standards and Guidelines across all Data Management Areas?	3 - Learning		
3	<b>Data Strategy &amp; Governance</b>	Has the Entity established and implemented all roles and responsibilities required for the functioning Data Management according to current Data Office model?	2 - Emerging		
4	<b>Data Strategy &amp; Governance</b>	Has the Entity established and implemented standard Change Management practices including considering the needs of users when making changes to data?	4 - Developing		
5	<b>Data Literacy</b>	Does the staff have the adequate possibilities to improve its data literacy and develop its business and technical skills according to its roles and responsibilities?	2 - Emerging		
6	<b>Data Literacy</b>	Has the entity allocated appropriated resources for enhancing data literacy across organization?	1 - Beginning		
7	<b>Data Architecture &amp; Modelling</b>	Has the Entity developed and implemented practices and standards for Data Architecture & Modelling in the organization (for Data Flows, Data Models)?	2 - Emerging		
8	<b>Data Architecture &amp; Modelling</b>	Is there any simplified and centralized data management solution for Data Architecture & Modelling?	3 - Learning		
9	<b>Data Architecture &amp; Modelling</b>	Is there an Entity's data model in place?	2 - Emerging		
10	<b>Metadata</b>	Has the Entity developed and implemented a central strategy plan to manage and integrate metadata across the organization?	4 - Developing		
11	<b>Metadata</b>	Has the Entity developed and implemented solution to fully understand and know its data (solution for metadata management across the organization)?	2 - Emerging		
12	<b>Metadata</b>	Has the Entity defined and implemented formal processes for effective Metadata Management?	3 - Learning		

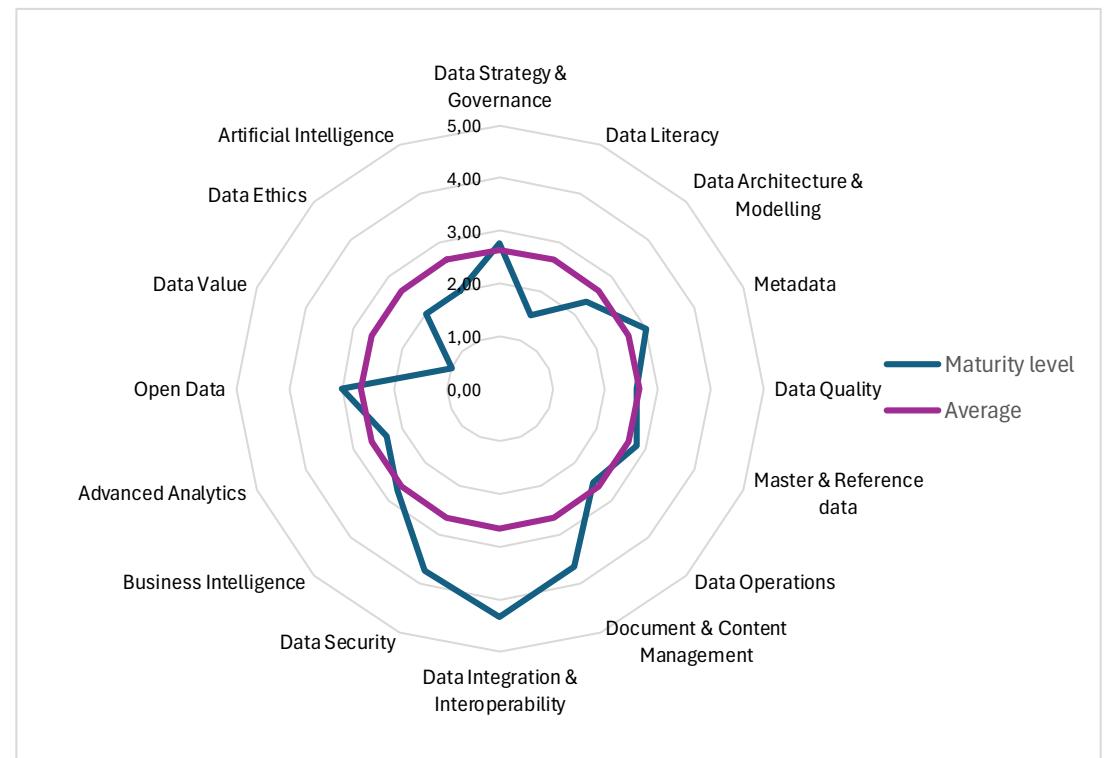
## HEAD of DATA MANAGEMENT / CHIEF DATA OFFICER



## Data Maturity Assessment Results

Topic	Data Maturity Level	Average score
Data Strategy & Governance	3 - Learning	2,75
Data Literacy	1 - Beginning	1,50
Data Architecture & Modelling	2 - Emerging	2,33
Metadata	3 - Learning	3,00
Data Quality	3 - Learning	2,60
Master & Reference data	3 - Learning	2,80
Data Operations	2 - Emerging	2,50
Document & Content Management	4 - Developing	3,67
Data Integration & Interoperability	4 - Developing	4,33
Data Security	4 - Developing	3,75
Business Intelligence	3 - Learning	2,75
Advanced Analytics	2 - Emerging	2,33
Open Data	3 - Learning	3,00
Data Value	1 - Beginning	1,00
Data Ethics	2 - Emerging	2,00
Artificial Intelligence	2 - Emerging	2,00
<b>AVERAGE</b>	<b>3 - Learning</b>	<b>2,64</b>

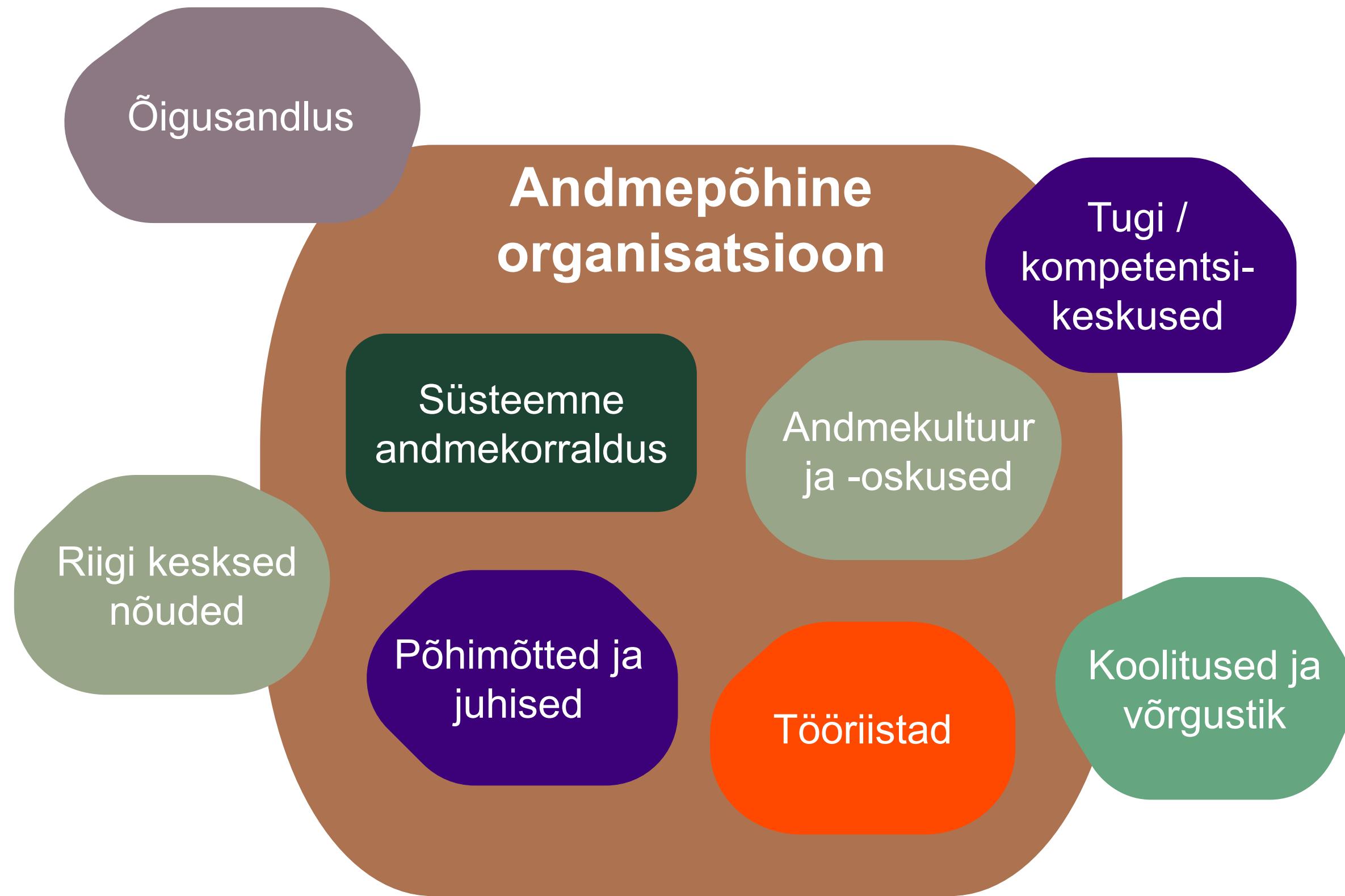
Graph comparing the maturity levels across the individual topics with the average



### Key

Current data maturity answer options:	1 - Beginning
	2 - Emerging
	3 - Learning
	4 - Developing
	5 - Mastering
	N/A - not applicable

## **Andmepõhine organisatsioon**



# Tänud tähelepanu eest!

<https://www.kratid.ee/andmed>

<https://digiriigiakadeemia.ee/>

[kuldar.aas@justdigi.ee](mailto:kuldar.aas@justdigi.ee)

# Digiküpsuse hindamine LORDIMAS platvormil



**Martin Gauk**

Data and Knowledge Portal Manager  
ESPON



## Digital maturity assessment tool for Local, Regional and Metropolitan Governments

Martin Gauk, Data and Knowledge Portal Manager, ESPON EGTC

[martin.gauk@espon.eu](mailto:martin.gauk@espon.eu)

# ESPON research into digital transition

2017-2018

Policy Brief on digital transformation of **Public Services**

Targeted Analysis on **eHealth** (EE, FI, SI, BG)

2019-2020

Methodology and indicator list  
**Local&Regional Digital Transformation LORDI**

Policy Brief on **Digital Innovation** in public sector

2021-2022

European Research on Digital Governance  
**DIGISER**

Targeted Analysis and Working Paper on **Digitalising Spatial Planning**

Thematic Paper on **eHealth**

2023

Methodology and self-assessment tool **LORDIMAS**

2024

Work with **LORDIMAS** continues

Launch of a new European research on digital divides  
**DIGIREG**

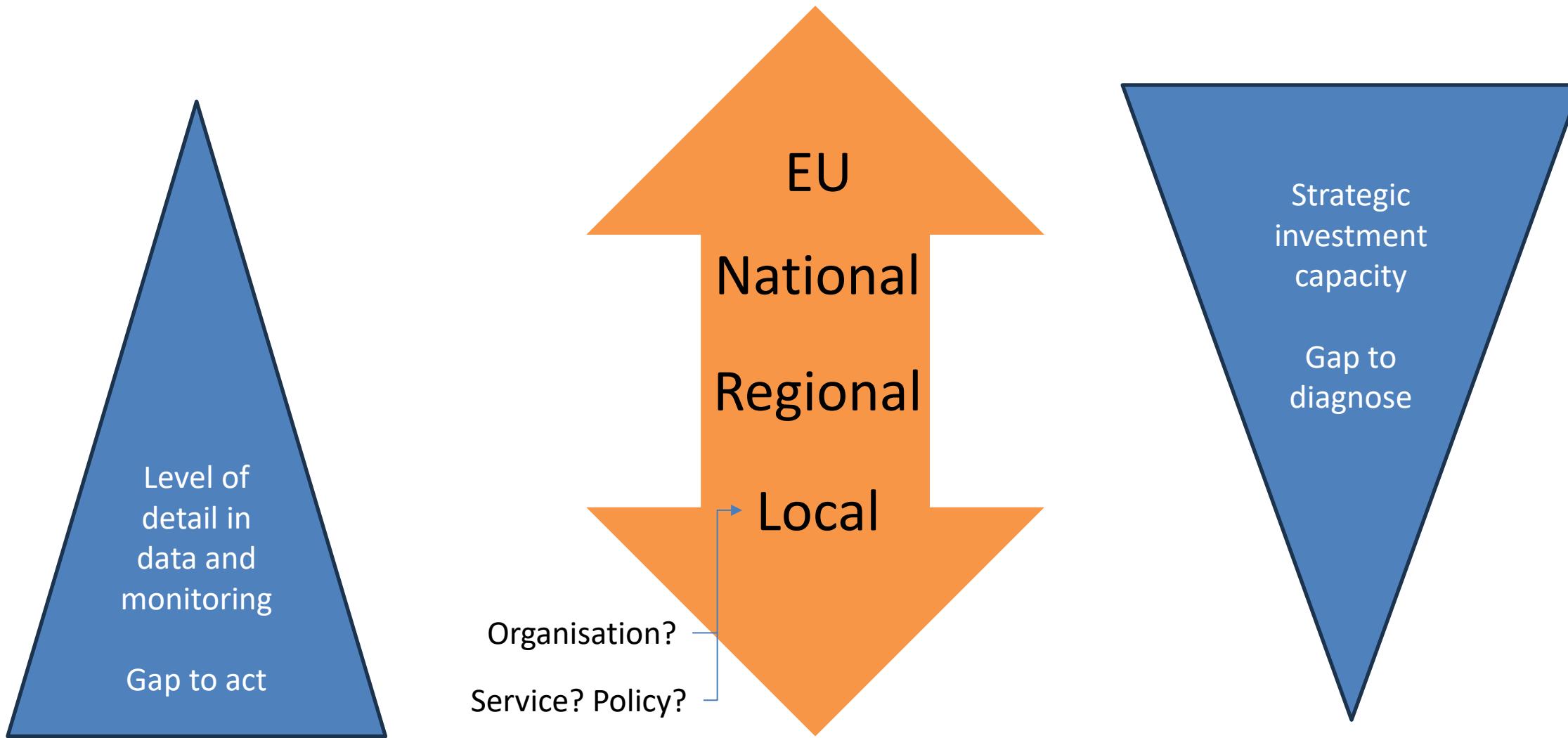
Launch of a new Targeted Analysis on digital helpers  
**DHAK**

# Challenge

**Digitalisation - a key priority in the EU policy frameworks**

**However, lack of data and evidence on the developments at regional and local levels**

# Challenge to align local to EU



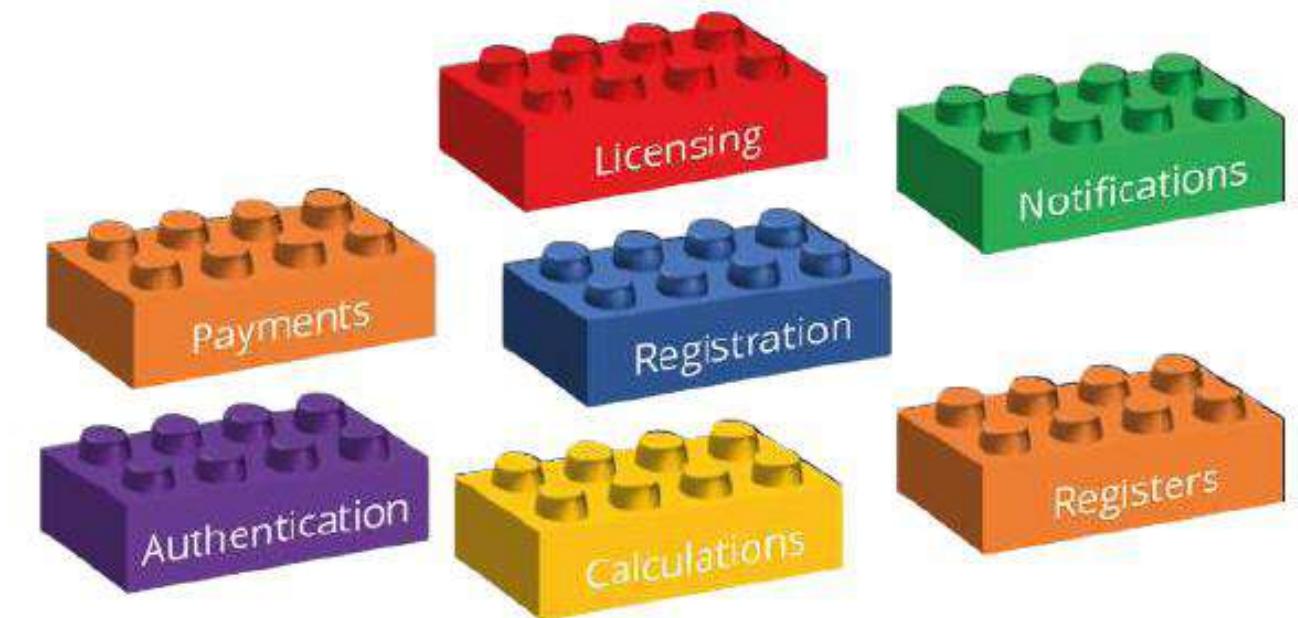
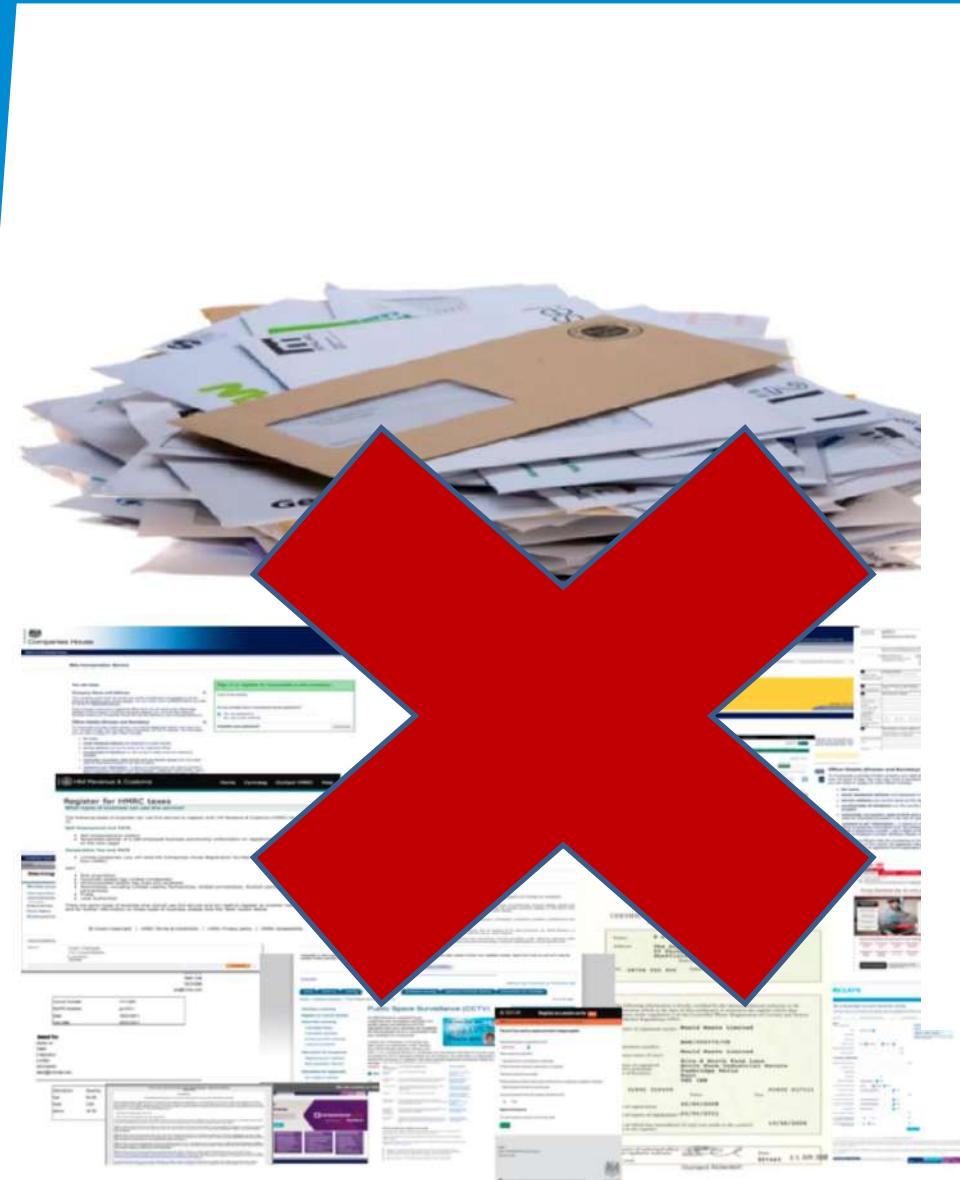
**There are more than 80 000 local and regional governments in the EU. Each working on the same goals, each accessing the same EU resources, each locked in heavily in global vendors, each monitoring different things.**

# What do we need to focus on EU level monitoring?

The real prize  
and productivity  
gains are not in:

- automation  
of existing  
processes.
- isolated  
success stories  
in advanced  
communities.

**The real prize  
is in adoption  
at scale!**



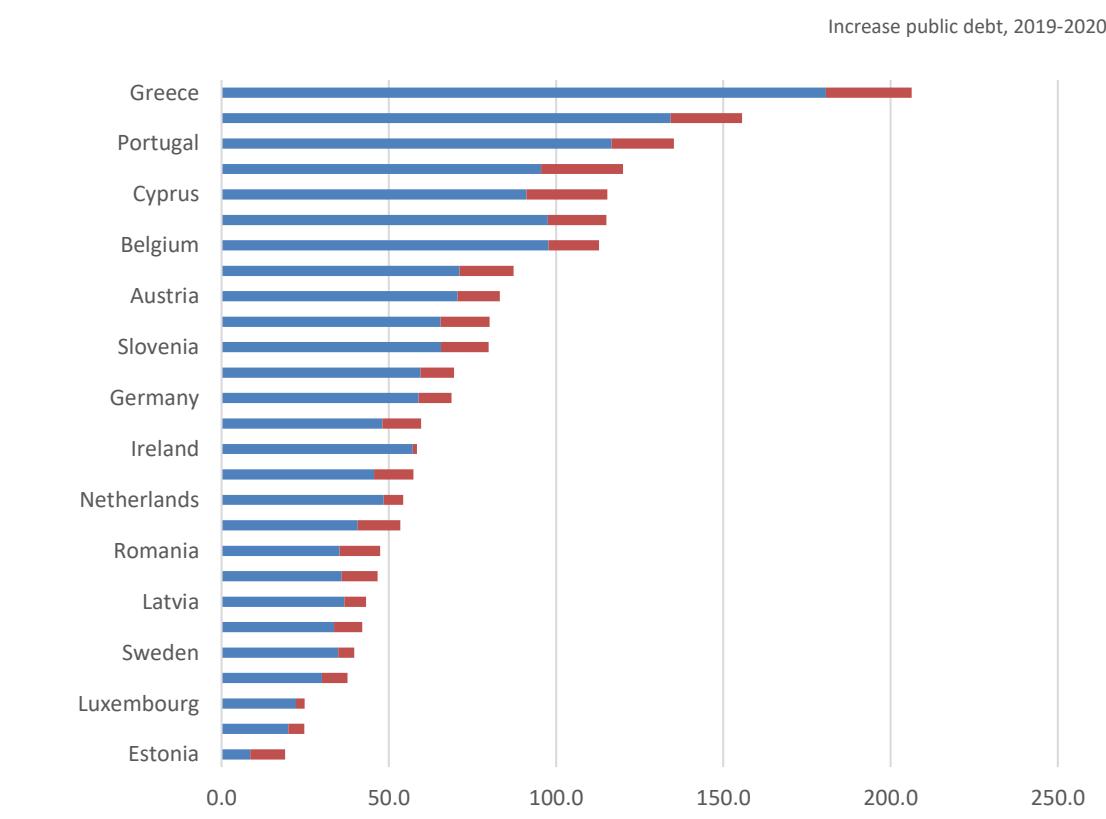
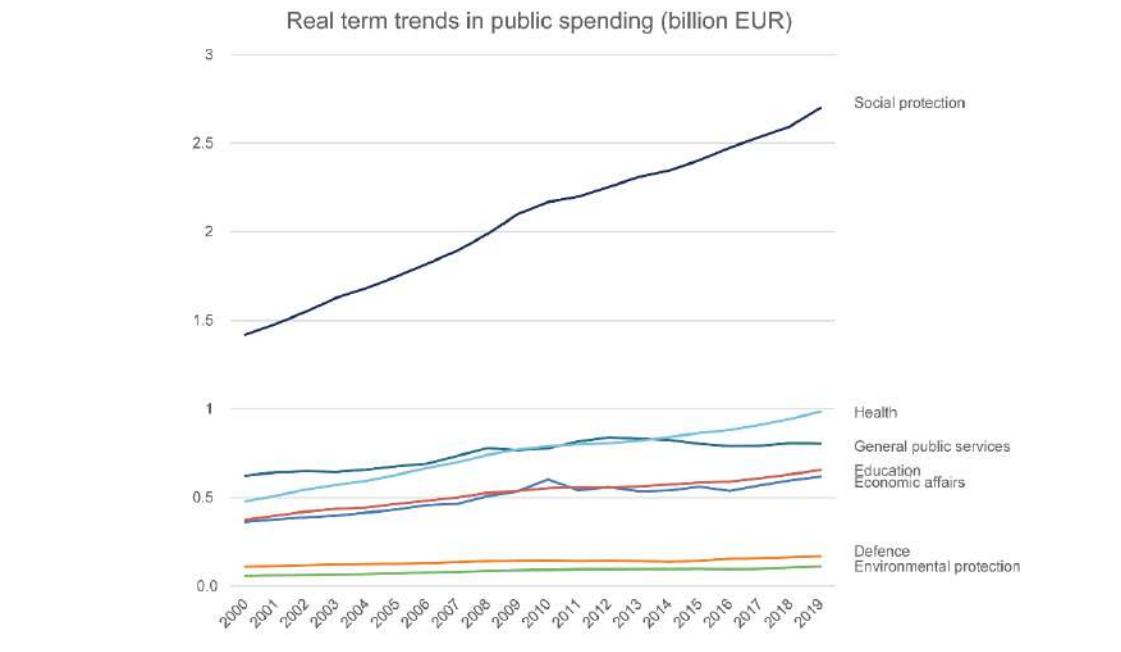
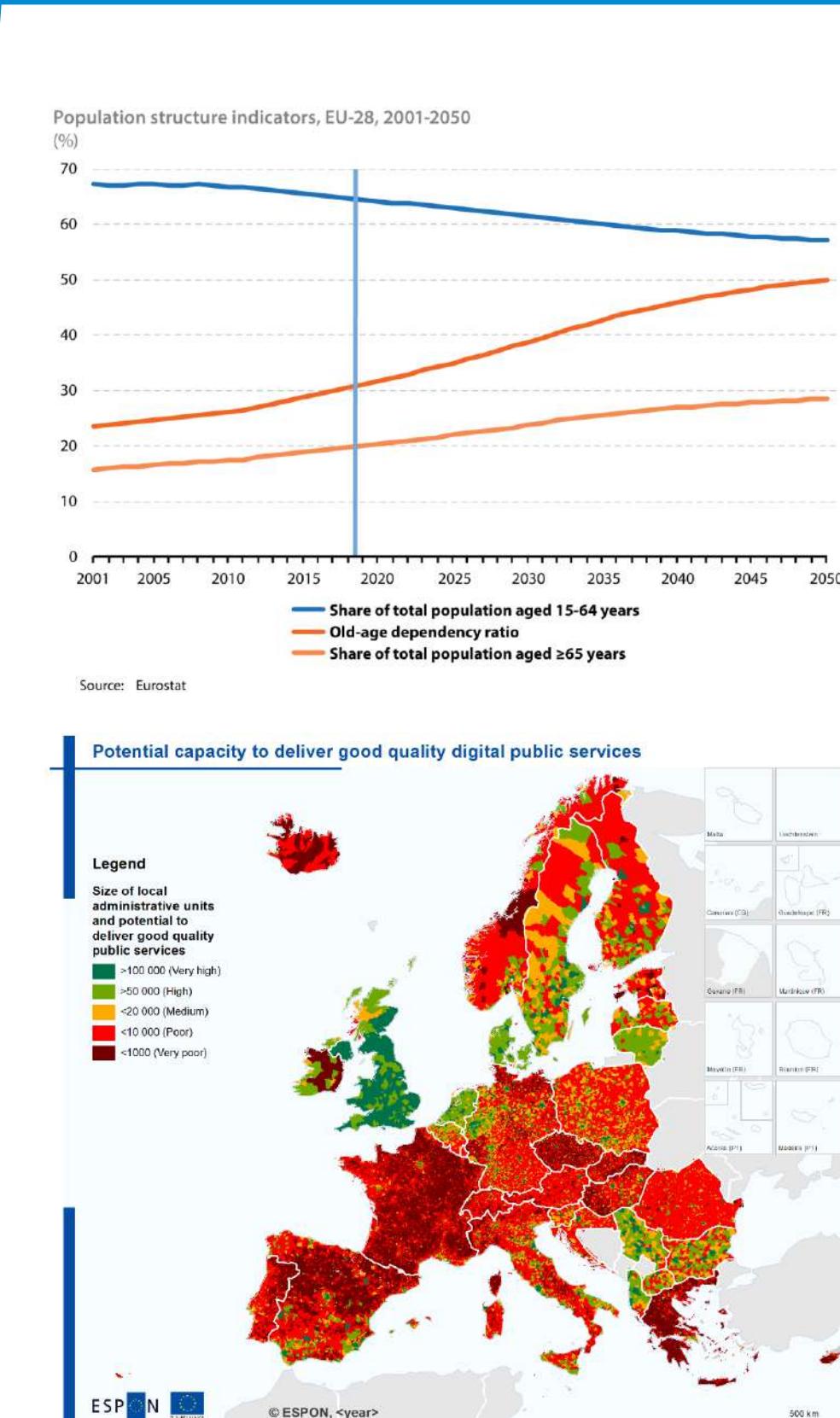
Creating, adopting and following digital commons:  
standards, building blocks, platforms and services,  
APIs together, in an open innovation ecosystem.

Only transforming at scale can result in large scale can lead to increased  
productivity, not only in the public sector, but consequently also across the  
broader tax base..

# Monitoring, benchmarking, benchlearning

## Why measuring and monitoring are vital?

- Demand for public services is on the rise
- So is the need for expenditure
- But capacity to deliver is uneven across the board
- And the government's fiscal situation is under an increasing strain



# LORDIMAS



Your digital  
maturity assessment



## LORDIMAS in one sentence

*'An interactive tool helping local and regional governments to understand where they are in their digital transformation journey'*



Insert your data and  
analyse where you stand



<https://lordimas.espon.eu>

LORDIMAS is an interactive digital maturity assessment tool aimed at helping local, metropolitan and regional governments to understand where they are in their digital transition journey.



Participate Explore

Glossary



# LORDIMAS

An interactive tool helping local and regional governments to understand where they are in their digital transformation journey

## HOW WAS LORDIMAS CREATED



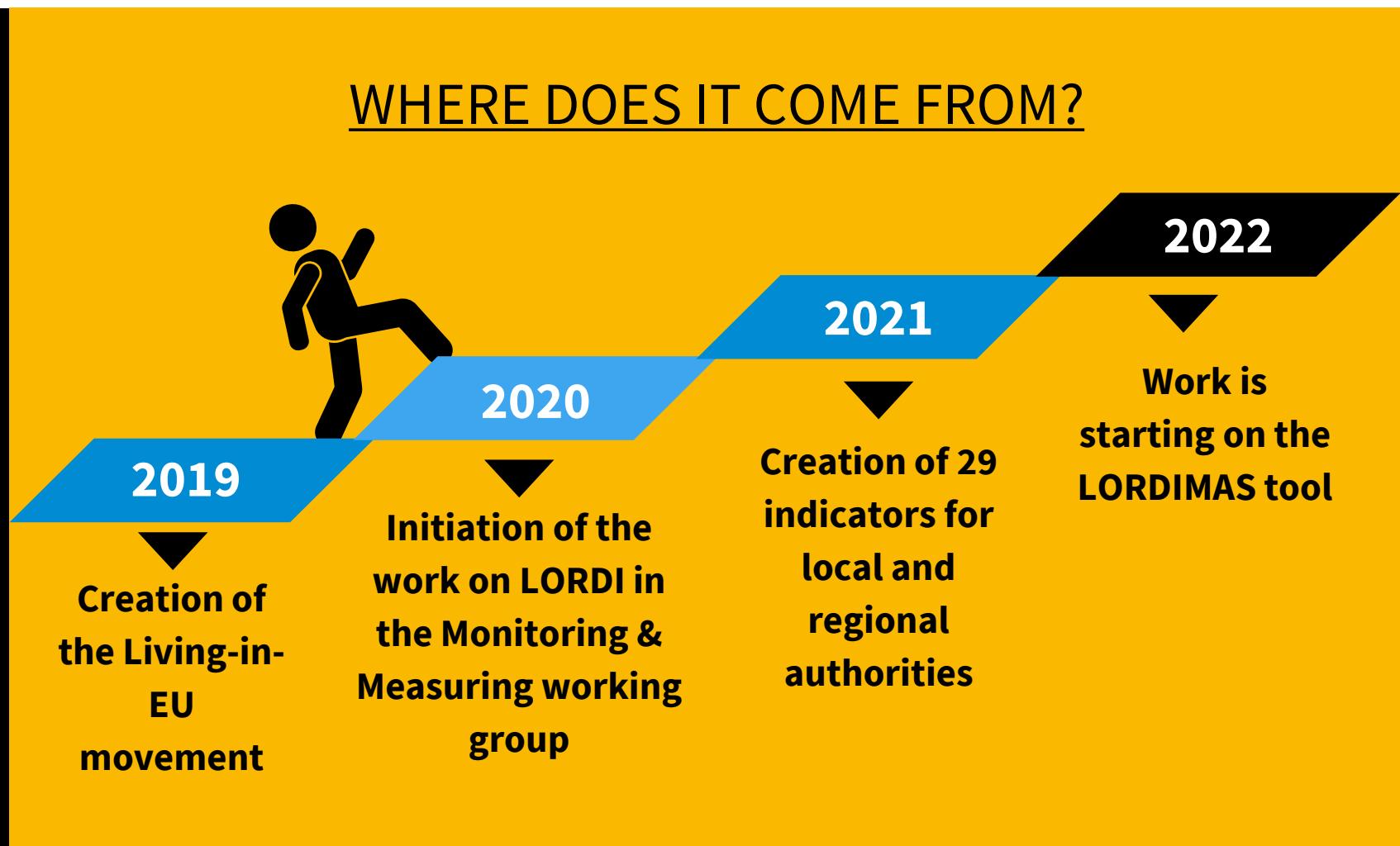
ESPON Co-funded by the European Union Interreg



A collaborative process with many stakeholders engaged in its creation and its deployment.



## WHERE DOES IT COME FROM?



Rooted in the discussions that are currently taking place within the Living-in.EU and topics with direct linkages with the Digital Europe Programme.

## WHO DOES IT ADDRESS?



A wide range of cities, municipalities and regions at different stages of their digital transformation journey.



# LORDIMAS

## Functionalities

**Evaluate:** A tool to help you assess your digital maturity + monitor progress made towards digital transition.

**Compare:** An interactive dashboard to benchmark your city to other similar cities.

**Share:** A repository of good practices to showcase your initiatives and results and to draw inspiration from other cities.

**Learn:** Learn about emerging topics & receive policy advice.

## Questions it Helps Answer

- Is my city above/below the EU median?
- How do I rank compared to other cities of similar size, urban/rural cities, cities in my country?
- Are there dimensions that my city over/under performs compared to the median?
- What are my city's progresses towards digital maturity?

## Facilitates

- Review of achievements and plans for continuation of transformation effort
- Assessment of local enablers
- Identification of opportunities, areas for improvement and how the ecosystem could work together to achieve goals

## Dimensions of the tool

*7 self-assessment dimensions*

### 6 Stages of Maturity



#### Digitally Nascent

*Lacking Digital Transition*



#### Digitally Reactive

*Very Low Levels of Digital Transition*



#### Digitally Emerging

*Low Levels of Digital Transition*



#### Digitally Purposeful

*Moderate Levels of Digital Transition*



#### Digitally Optimised

*High Levels of Digital Transition*



#### Digitally Native

*Very High Levels of Digital Transition*

**Technology**

**Governance**

**Networking**

**Interoperability**

**Service Design**

**Service Delivery**

**Data Management**

# Evaluate

- **Targeted towards people responsible overseeing digital transformation**
- **44 mandatory content related questions**
- **Recommended to respond collectively, by conducting an internal workshop**

## 3.1. Does your public administration:

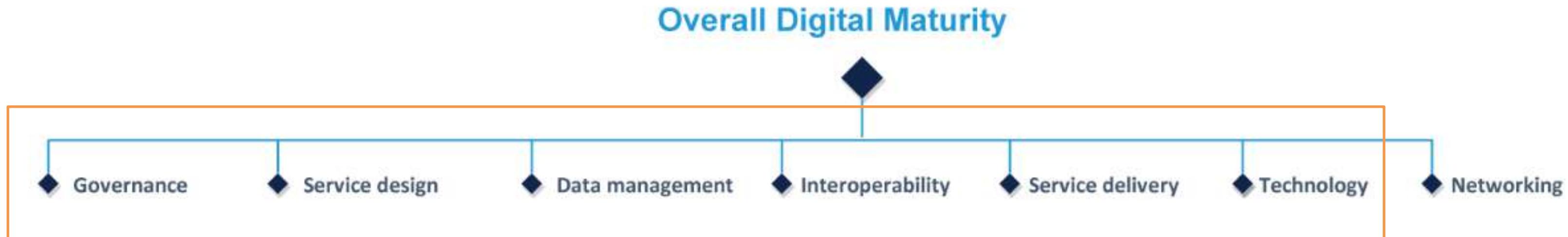
	not at all	under consideration	under development or adoption	in operation in one or few service sectors	in operation in several or most service sectors
[3.1.1.] have a data strategy that coordinates the management, sharing, interoperability, and (re)use of data?*	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
[3.1.2.] have data catalogue, that catalogues the key data in the public administration.* ► Details	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
[3.1.3.] have an open data platform that enables data sharing and development of data related services?*	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
[3.1.4.] have a mechanism (business model) in place to systematically share data with business(es)?*	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
[3.1.5.] have a registry of different (Internet of Things) sensors installed in the administrative boundaries?*	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Effort to capture nuances

## 3.1. Does your public administration:

	not at all	under consideration	under development or adoption	in operation in one or few service sectors	in operation in several or most service sectors

**Organisation wide adoption or sector specific?**



**Please respond positively in the case where the element listed below is not directly under the responsibility of your public administration but is still operationally offered to your public administration in cooperation with higher tiers of government or other agencies.**

# Evaluate

[Home](#)[About](#)[Dashboard](#)[Best practices](#)[Policy recommendations](#)[Participate](#)

EN

**ESPON**Co-funded by  
the European Union  
Interreg

Overall

Governance

Service design

Data management

Interoperability

Service delivery

Technology

Networking

Insert your data

## Data management

### About this dashboard

This module assesses how data is digitally stored, collected, and organised within the public administration, made accessible across service sectors and connected devices, and exploited for decision making and business purposes or service delivery. In addition, it evaluates how public administrations are informing their citizens and businesses about the collection, use and sharing of their personal data.

### Search and filter

#### Filter by year

No category selected

#### Filter by country

No category selected

#### Filter by type

No category selected

#### Filter by population size

No category selected

#### Filter by maturity

No category selected

#### Search by name

No category selected

The Digital Maturity Assessment is calculated for the selection you see on the Map. You can select one or multiple public authorities using the Map or Search and Filter section.

## Maturity Assessment

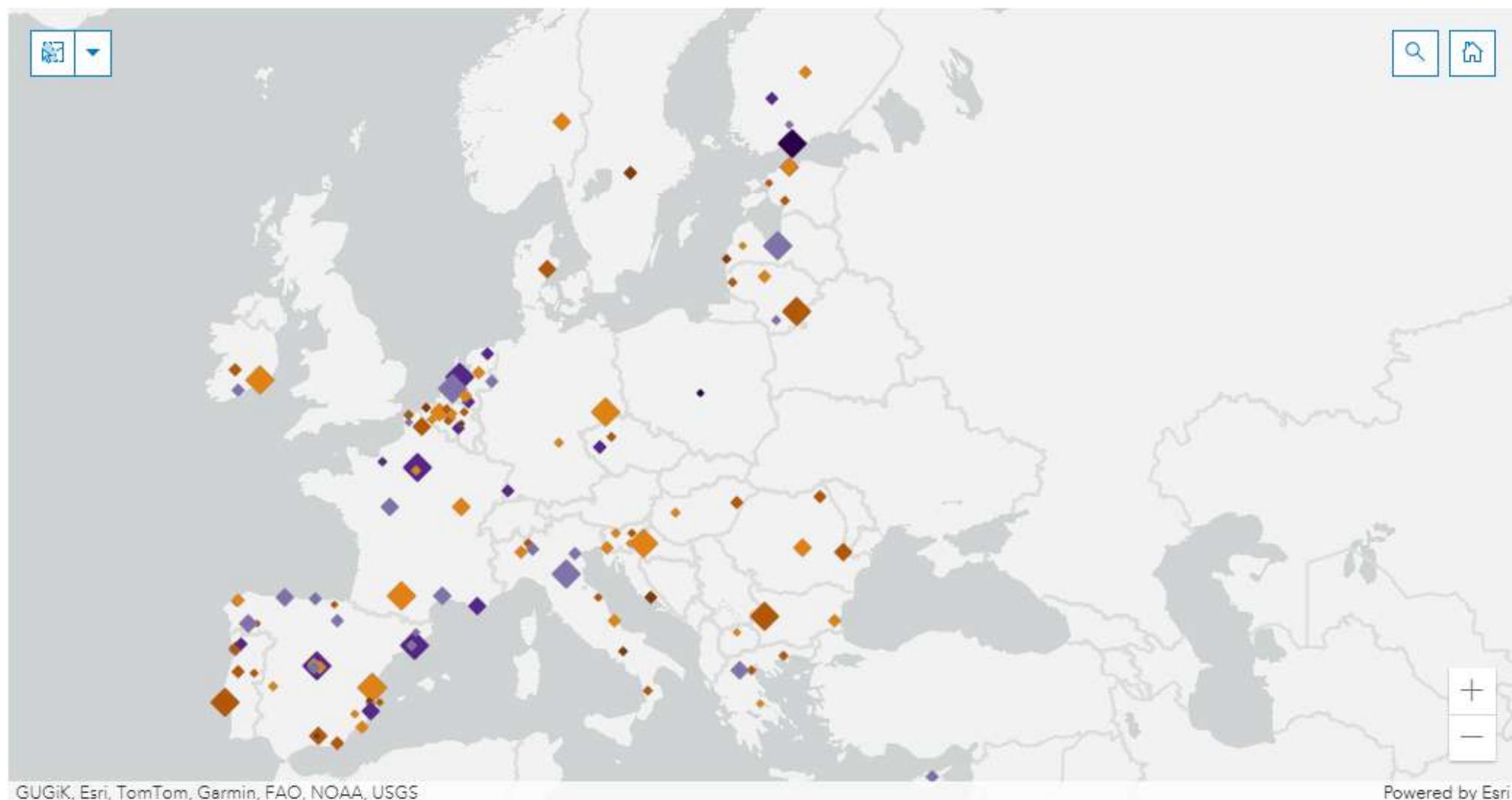
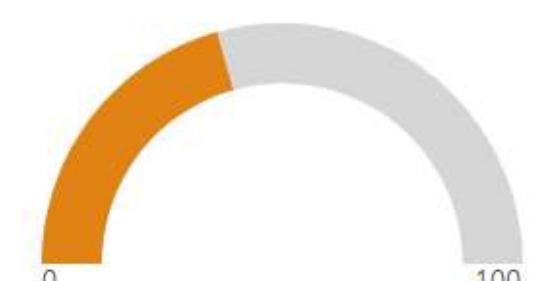
- Digital native  
Very high levels of digital transition
- Digital optimised  
High levels of digital transition
- Digital purposeful  
Moderate levels of digital transition
- Digital emerging  
Low levels of digital transition
- Digital reactive  
Very low levels of digital transition
- Digital nascent  
Lacking digital transition

#### Population size

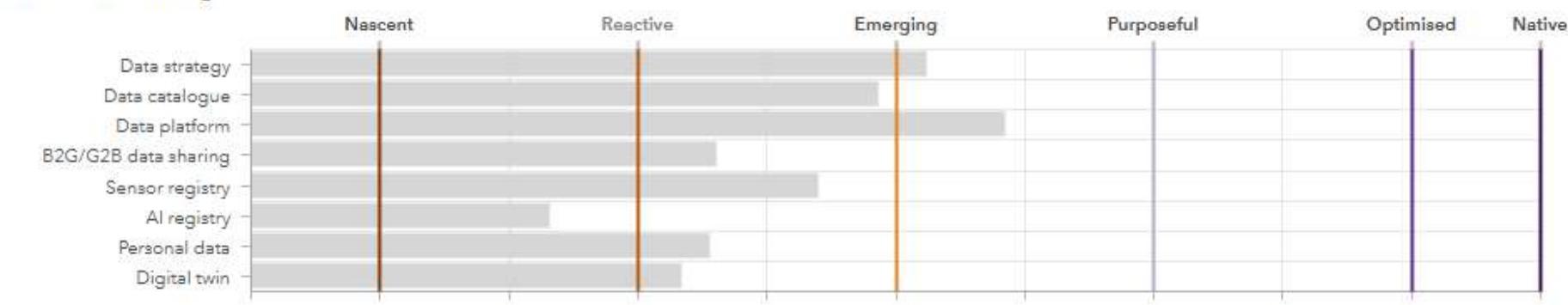
- > 5 000 000
- < 5 000

## Maturity level: Digitally emerging

## Maturity score: 41.2/100

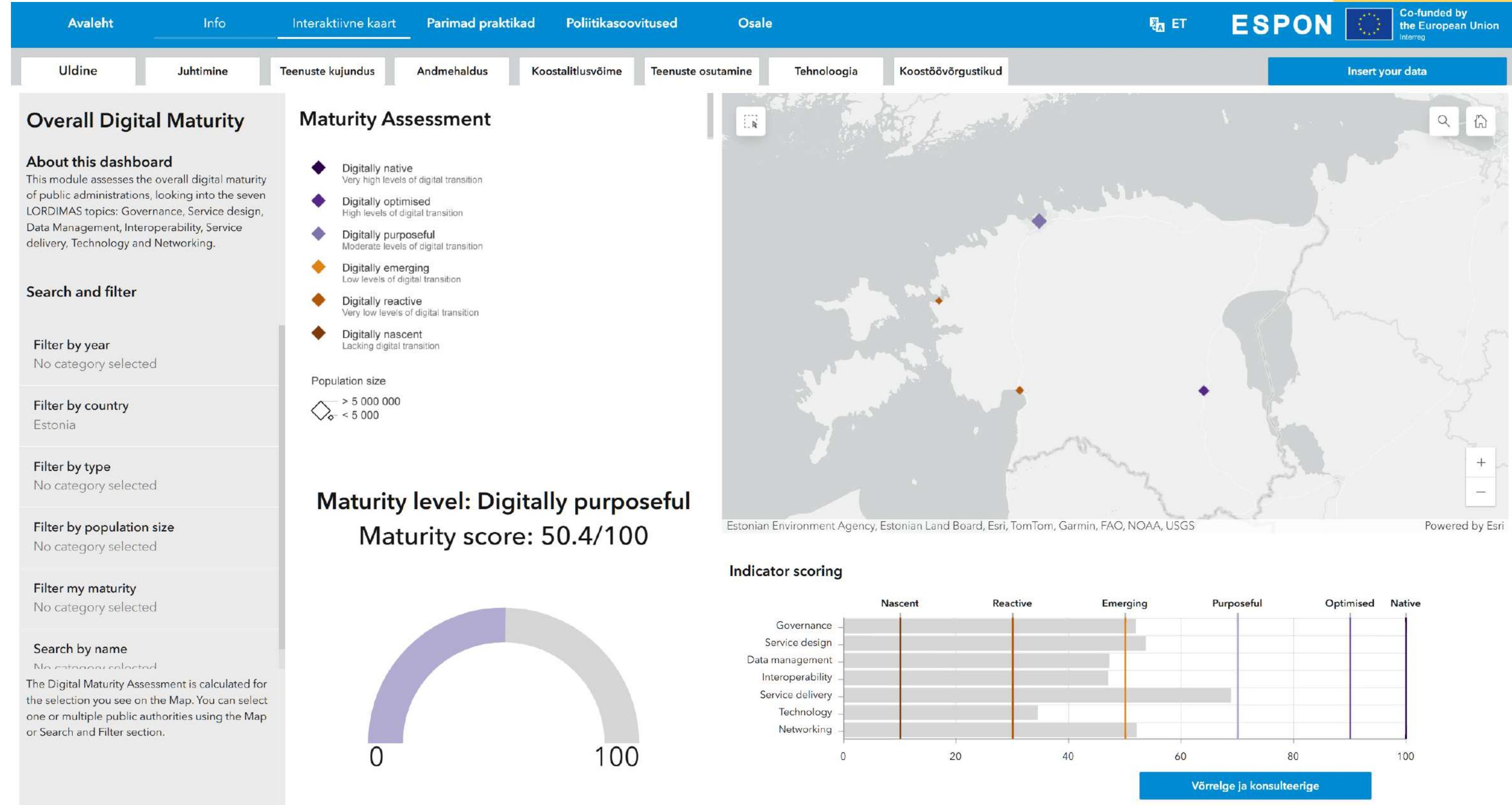


## Indicator scoring

[Benchmark and consult](#)

# Evaluate

5 Estonian organizations have completed LORDIMAS



# Compare

[Home](#)[About](#)[Dashboard](#)[Best practices](#)[Policy recommendations](#)[Participate](#)

EN

**ESPON**Co-funded by  
the European Union  
Interreg

Overall

Governance

Service design

Data management

Interoperability

Service delivery

Technology

Networking

Insert your data

Analyse and visualise

Analyse and visualise

## Data management

### About this dashboard

This module assesses how data is digitally stored, collected, and organised within the public administration, made accessible across service sectors and connected devices, and exploited for decision making and business purposes or service delivery. In addition, it evaluates how public administrations are informing their citizens and businesses about the collection, use and sharing of their personal data.

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#### Filter by year

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No category selected

#### Filter by population size

No category selected

#### Filter by maturity

No category selected

#### Search by name

The Digital Maturity Assessment is calculated for the selection you see on the Map. You can select one or multiple public authorities using the Map or Search and Filter section.

## Maturity Assessment

- ◆ Digitally native  
Very high levels of digital transition
- ◆ Digitally optimised  
High levels of digital transition
- ◆ Digitally purposeful  
Moderate levels of digital transition
- ◆ Digitally emerging  
Low levels of digital transition
- ◆ Digitally reactive  
Very low levels of digital transition
- ◆ Digitally nascent  
Lacking digital transition

#### Population size

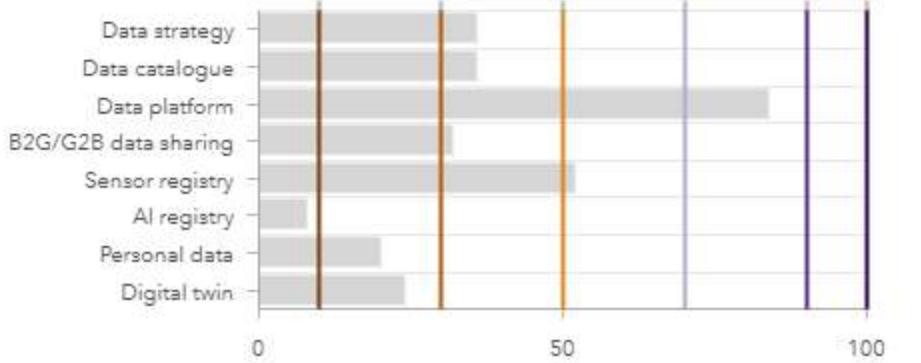
- > 5 000 000
- < 5 000

Maturity level: Digitally emerging

Maturity score: 36.2/100



## Indicator scoring



## Maturity Assessment

- ◆ Digitally native  
Very high levels of digital transition
- ◆ Digitally optimised  
High levels of digital transition
- ◆ Digitally purposeful  
Moderate levels of digital transition
- ◆ Digitally emerging  
Low levels of digital transition
- ◆ Digitally reactive  
Very low levels of digital transition
- ◆ Digitally nascent  
Lacking digital transition

#### Population size

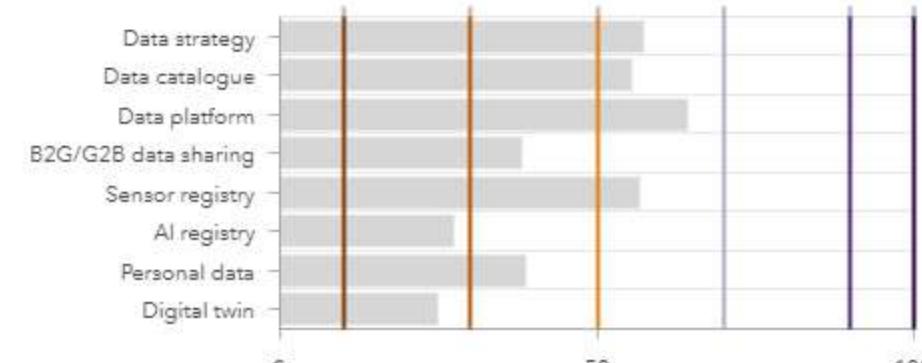
- > 5 000 000
- < 5 000

Maturity level: Digitally emerging

Maturity score: 45.2/100



## Indicator scoring



# Share your best practices

- **Brief description**
- **Impact on the organisation**
- **Impact on the citizens/businesses**

3000 characters & links



## BEST PRACTICE EXAMPLE

**Ghent actively pointing out benefits, discounts and granting certain rights automatically and no longer requiring data from citizens if the government already has it**

The city of Ghent grants several services to citizens in a specific socio-economic situation. Instead of beneficiaries having to fill in a form and provide proof of income or other information for receiving social benefits, it provides services in a proactive way currently for 3 use cases: discounts for cultural activities, distributing free garbage bags and reduced school bills. In the case of these services, benefits and discounts are granted by checking in available datasets if the citizen meets the specific criteria. The relevant data is no longer provided by the citizen, but automatically gathered from federal databases which we check through the Business Rule Engine set up by the Flemish administration.

These proactive services reduce administrative burden, improve efficiency and take-up, and free up valuable time of civil servants, as they no longer have to invest a lot of time explaining and helping citizens to get the right kind of documents to be eligible for certain benefits, discounts or rights. Previously, this often meant sending citizens back to get the right or more up-to-date form and making a new appointment at a later date. Furthermore, civil servants in the local administration are relieved they no longer have to ask difficult questions about citizens personal situation or access personal data, but only receive the results of the data to check eligibility.

Proactive services, that do not need citizen inputs, remove the difficulty of finding out which benefits citizens are entitled to, remove the barriers of applying for a service, getting the right documents and sending them to the administration. Furthermore, they work on the basis of minimization of shared (personal) data: users often find themselves in a painful situation where they have to explain their personal context, going into detail about their financial status and having to share very personal information often with different people. Prior to this service, in the case of the school bills for example, parents had to hand over their tax-return documents (which include a lot more personal information than is required) first to the teachers, who pass it to school administrations, who pass it over to a centralized team at the education department who finally brings it to the colleagues that make up the school bills. This is now being removed.

Explore the solution: <https://stad.gent.nl/over-gent-stadsbestuur/dienstverlening/proactieve-dienstverlening-gent>

## Policy recommendations

### ADOPT AGILE AND ITERATIVE SERVICE DESIGN PRINCIPLES

Develop new services in a cyclical, instead of a linear manner. Embrace uncertainties and to promote an environment where learning and improvement are constantly in-progress prioritising, therefore, added value to its users. Start with small phases designed to build understanding through exploration, research, prototype, test and learn about the needs of users before committing to building a real service. Allow prototypes to fail quickly and correct course in response to testing with users.

### BECOME CITIZEN-CENTRIC, ENGAGE AND EMPOWER

Redefine your digital goals so that citizens and their intrinsic needs are at the centre of every objective, instead of the usual domains, such as utilities and transportation. Engage with citizens to co-create public policies and services and encourage direct dialogues between citizens and policymakers.

### FOSTER A CIVIC INNOVATION ECOSYSTEM THROUGH OPEN INNOVATION

Network, collaborate and coordinate to enable, orchestrate and encourage the development of a complete civic innovation ecosystem that engages with a diverse set of stakeholders: citizens, businesses, civic society, academia and different agencies and departments of public administration. Support platforms that connect the different stakeholders and ease their collaborative work, as well as oversee the management of open innovation projects, to ensure the sustainability of the effort. Adopt instruments such as innovation clusters, intelligent hubs or living labs, hackathons, and application development contests as well as civic accelerators.

### ESTABLISH FEEDBACK LOOPS AND DESIGN BY DATA

Deliver services that are responsive to feedback and that are able to iterate in days rather than in decades. Improve and optimise services, by combining passive and active data from internal and external sources to identify the satisfaction and use patterns of the services as well as to assess where to allocate resources and match workload, skills, and location to create more efficient schedules for staff. Establish the useful feedback loops for each service to help gauge how well a particular service is meeting the policy intent behind it.

### IMPROVE GOVERNMENT PROCUREMENT POLICIES

Highlight digital innovation in procurement strategy, procurement process, technical specifications, or functions in a strategic, complementary way. Clearly define principles of interoperability, open standards, and data. Agree on a (limited) list of open standards and technical specifications with which procured digital solutions should comply. Consider data as key assets both as inputs and as outputs of a solution or system. Set the goal to optimise procurement itself, i.e., ensuring employees are better trained and offer incentives to economic operators for their innovative behaviour.

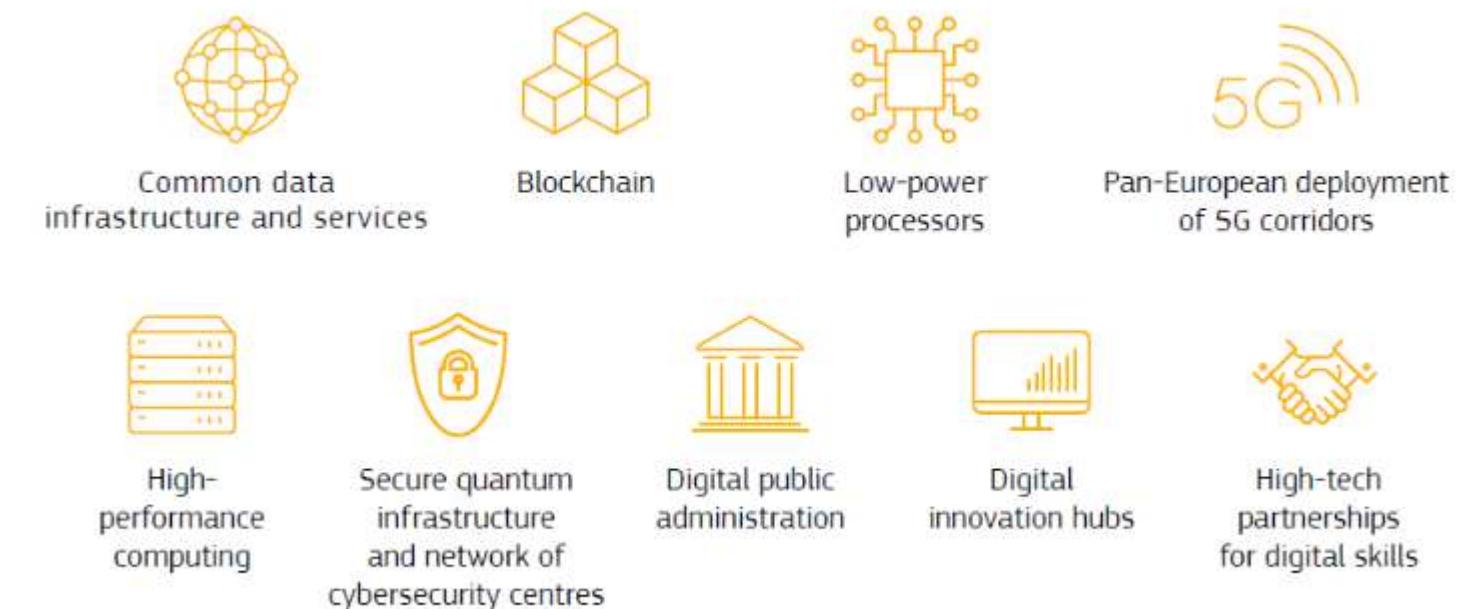
## ■ Other best practices

## ■ Policy recommendations

## ■ Community within Living-in.eu

# Why should you participate? What is it in it for you?

- **Data and analytics:** real time data, information, analytics, and visualisation that will help you to characterise the departing point and annual progress of the digital transformation journey of your organisation.
- **Knowledge development:** An overview and understanding of the current policy initiatives and best practices promoted at the EU level together with tailored policy recommendations and guidance where the EU can support you.
- **Promotion and learning:** The possibility to promote best practices and learn from others.
- **Community building:** The possibility to discuss the results with peers and umbrella organisations within the Living-in.EU initiative.
- **Access to investment:** More informed policy support and targeted funding from national and EU-level policymakers.



## Why join?

**KNOW**



**Stay connected and informed  
about the latest  
advancements in data spaces,  
interoperability, local digital  
twins, and more.**

**SHARE**



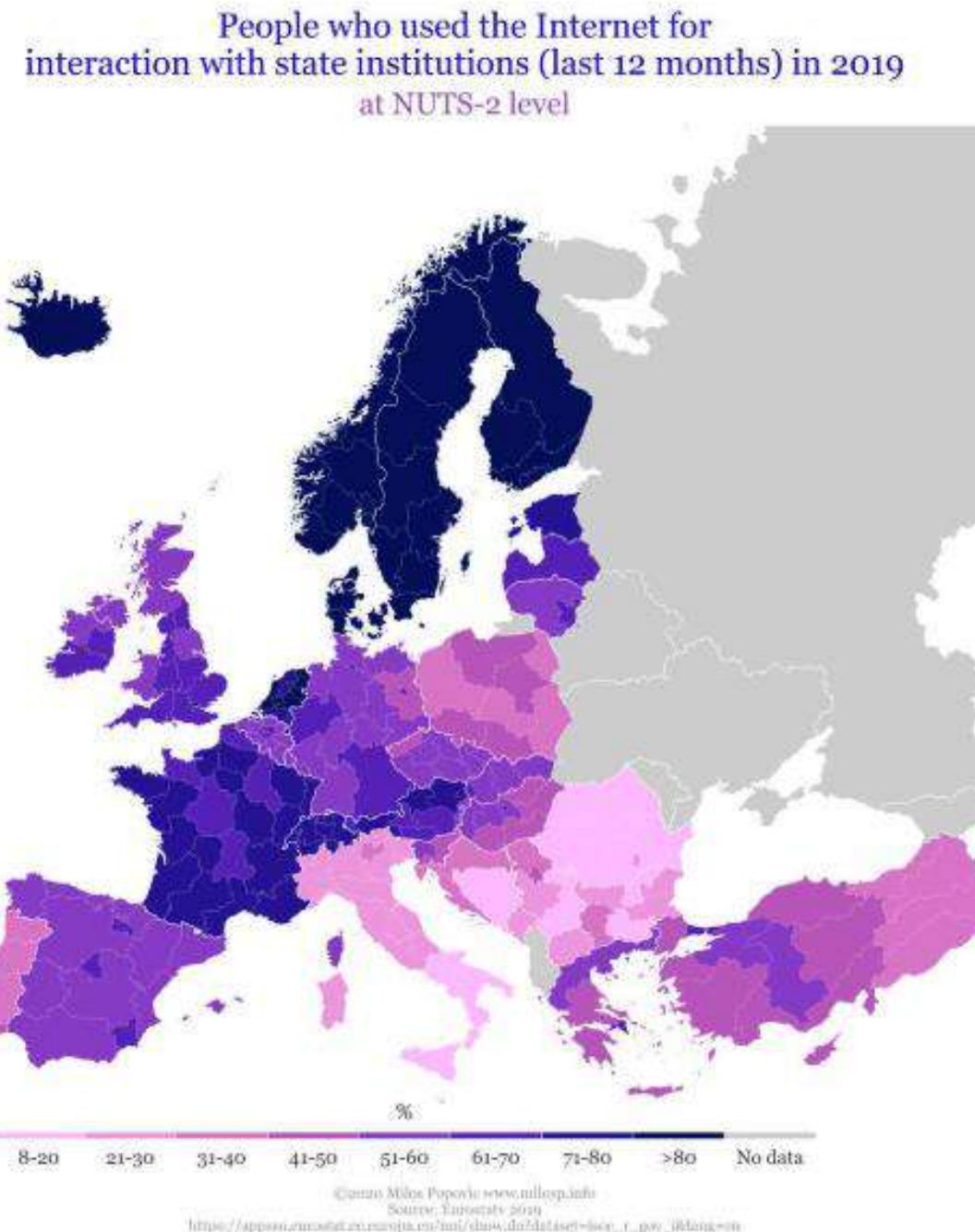
**Collaborate, share knowledge,  
and access a wealth of  
resources and solutions  
designed to accelerate digital  
transformation.**

**USE**



**Access tools and services such  
as the support services and the  
helpdesk we are presenting  
today, the technical standards,  
assessment tools, procurement  
templates, etc.**

# Why should you participate? What is there for a common good?



At the European level, we need to know where we are and where we are heading to develop better policies, targeted support and investments.

Very little data being produced at international scale.

# Who should participate?

The LORDIMAS Digital Maturity Assessment is intended for civil servants overseeing digital transition in **local, metropolitan, and regional governments** in the EU, EFTA, and EU candidate countries. More specifically, if available, we are inviting the following profiles to provide inputs:

- Innovation Manager (Chief Innovation, Chief Digital or Chief Technology Officer, Smart City Manager or similar)
- Data Manager (Chief Data Manager, IT manager, Data Steward, or similar)
- ICT Manager
- International Affairs Manager
- Communications Manager

# Before you start

- We advise you to first download or print out the offline version of the LORDIMAS Digital Maturity Assessment to better prepare your inputs and to avoid any data loss due to connectivity or other technical issues.
- We advise you to fill in LORDIMAS as an internal workshop pooling the relevant different expertise from your organization.
- The assessment results will be published on the Dashboard. Your contact details will not be published and will be treated according to the [LORDIMAS privacy policy](#).

# LORDIMAS 2024 report

A summary report published  
every year

## Gaining traction

- 100 respondents in 2024
- 70 respondents already in 2025

**FINAL REPORT //**  
**Digital maturity of local and  
regional governments, 2024**  
Key observations from LORDIMAS results  
Report // December 2024

**LORDIMAS**   
LIVING-IN-EU





# We invite you to participate

Also available in Estonian

Martin Gauk, Data and Knowledge Portal Manager, ESPON EGTC

[martin.gauk@espon.eu](mailto:martin.gauk@espon.eu)

# Creating Your Digitalisation Roadmap & Securing the Right Procurement Support

*(in English)*

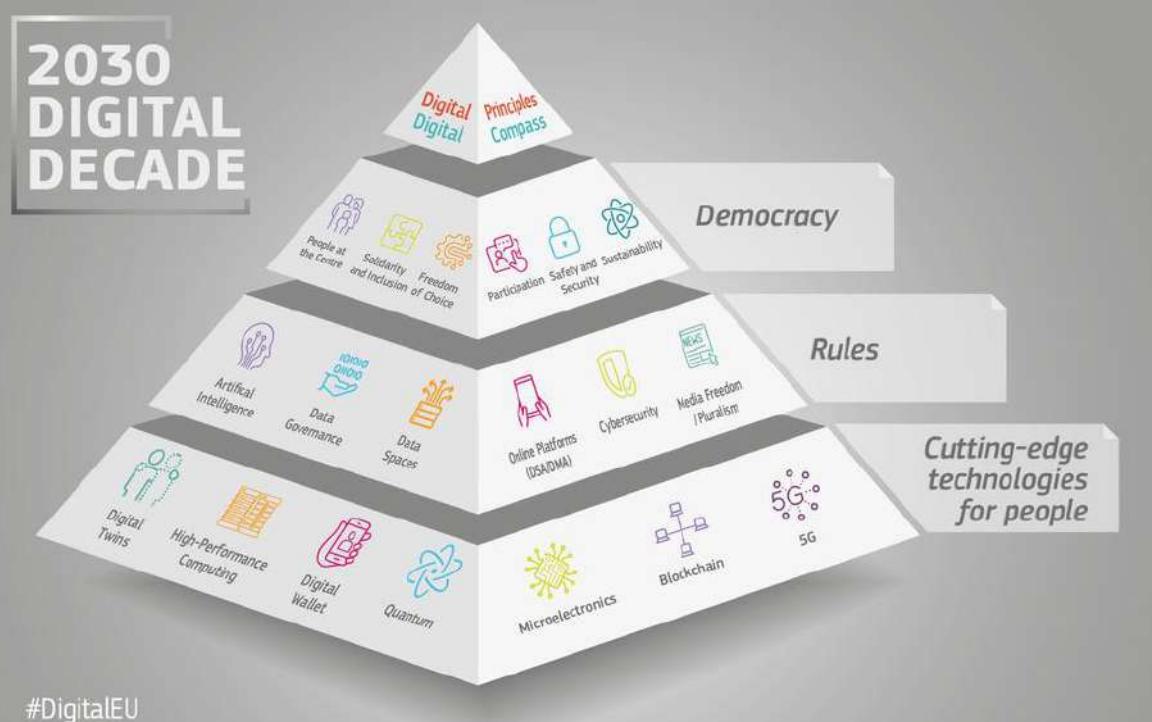


**Ignacio Garcia Vega**  
Chief Innovation Officer  
Serendipity



# Developing your Digitalisation Roadmap

# The Bigger Picture



## Digital Decade development of the digital economy

The Digital Decade Policy Programme as compass to guide Europe's Digital Transformation

The Online Procurement Helpdesk as instrument to guide cities and communities



## Local Digital Twins and GovTech

Local Digital Twins & GovTech will form the core to transform the Digital Infrastructure of cities and create human centered services.



## EDIC LDT and Citiverse

The European Digital Infrastructure Consortium (EDIC) as the funding instrument for large scale deployment for municipalities, regions, Member States and companies to work together in creating a European Digital Industry.

Local Digital Twin is the technology to achieve a European Digital Infrastructure where data spaces, urban data platforms and AI come together in an interoperable and compliant manner aligned with the Digital Rulebook.

# The Online Procurement Helpdesk



## Online Tool

An environment for cities and communities representatives to quickly and effectively establish the digital transformation strategy.



## Service

Expert “**Guiding Agents**” guide through the process.

**Currently, 150 EU cities** will receive support services\*

\*The service will be transferred to **LDT CitiVERSE EDIC**



## Customisation

The results are unique and tailored to the needs of the city or community in the form of a **customised digitalisation roadmap**.



## Result

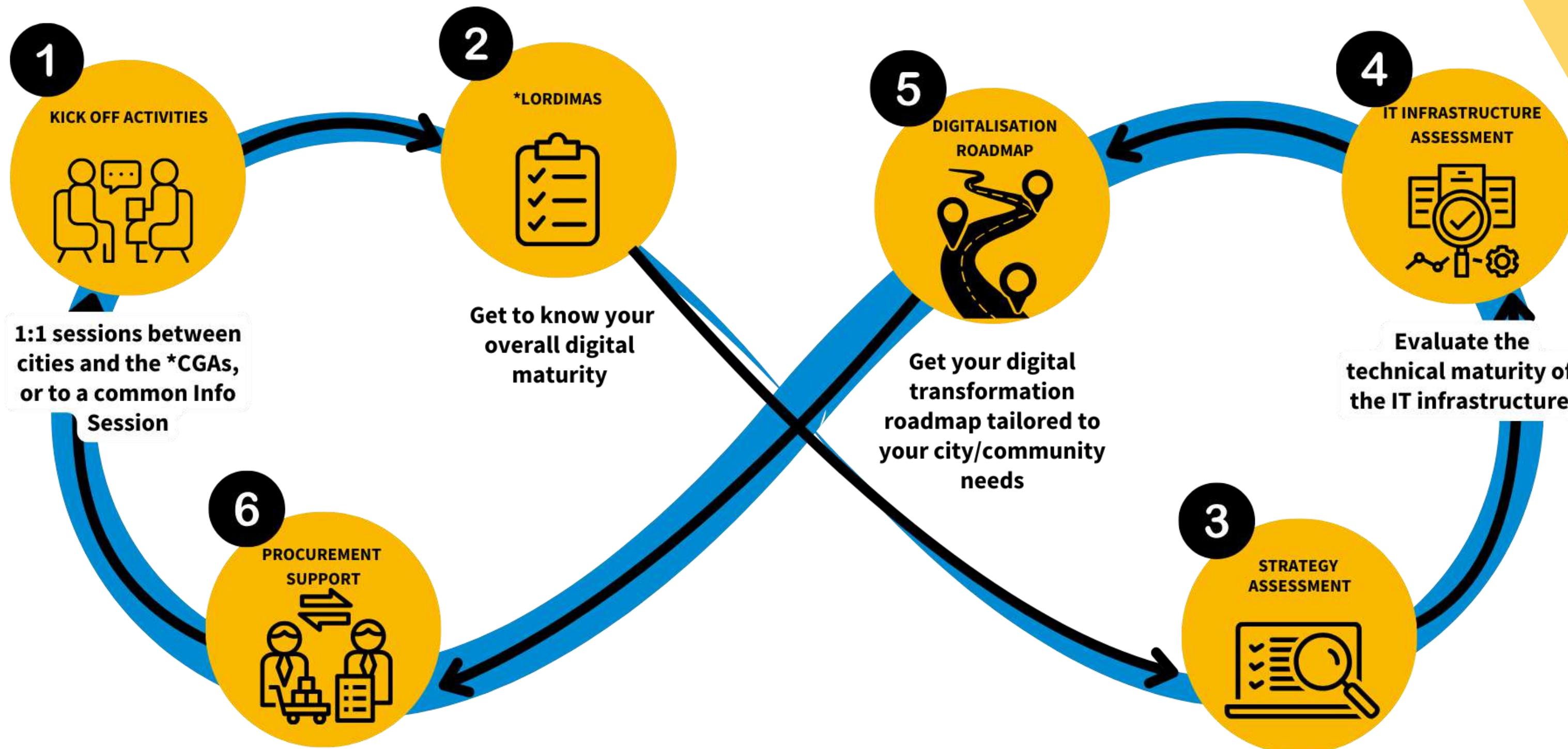
Identification of procurement needs and access to **procurement guidelines and templates**, aligned with standards and legislation



Required Actions

- **Multidisciplinary team available:** Chief Innovation, Digital Officers, ICT managers, IT architects, IT procurement and Infrastructure providers.
- **Focus dedication:** 2-4 days to fulfill the assessments.

# Journey for Participating Cities



\*CGAs (City Guiding Agents)  
\*Local and Regional Digital Maturity Assessment

# STEP 1 - Procurement Helpdesk

LIVING-IN.EU  
PORTAL

Welcome Arthur Kenjora

Click here to **start →** your next LDT assessment

Your City Journey

1/3 completed

COMPLETED

LORDIMAS Assessment **View →**

Strategy Assessment **Continue →**

IT Infrastructure Assessment **Close**

---

Procurement Helpdesk Support Service

Get support →

Knowledge Centre →

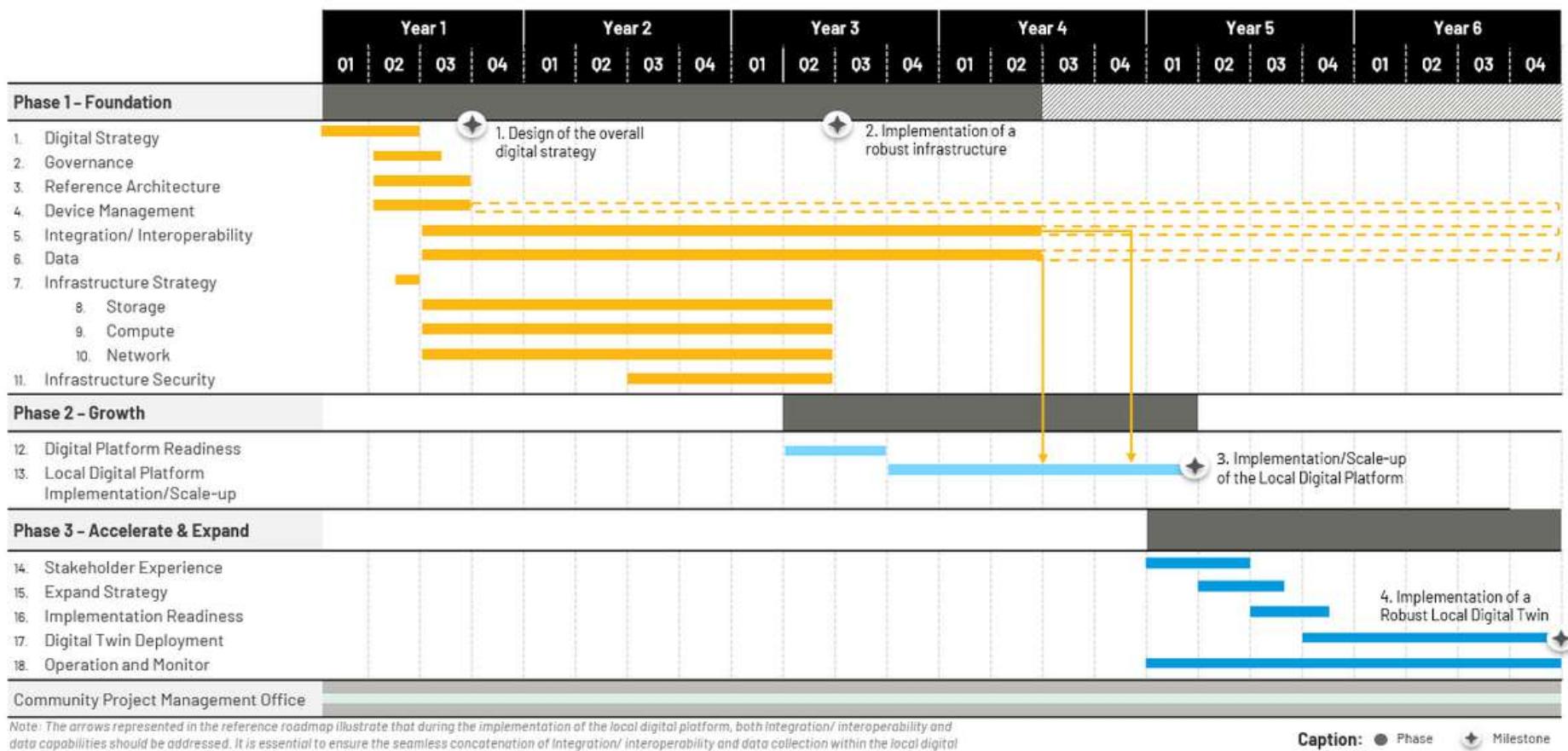
European Commission

# STEP 5 - Digitalisation Roadmap

Each community will get its own reference digitalisation roadmap, based on their current maturity scores.

This roadmap will present the key enablers and capabilities that the community needs to work on towards the development of a Local Digital Platform (LDP), and later a Local Digital Twin (LDT). For that, a set of initiatives and a reference timeline will be proposed.

## Overview of capabilities and enablers and correspondent reference timeline



## List of initiatives for each capability and/or enabler

### 3 Device Management

The Device Management capability entails efficient deployment, maintenance, and integration of IoT devices to enhance overall operational efficiency within the smart community ecosystem.

#### Main Initiatives

##### Device Management Strategy

- 1| Review the device management strategy, including lifecycle management framework, protocols and APIs, and the KPIs
- 2| Review your current IoT devices, and see if they are a good fit based on the strategic priorities and identified requirements

##### Device Installation

- 1| Review current IoT devices and check their integration the current network and compliance with the policies based on your device management strategy and IT Infrastructure strategy

##### Device Platform

- 1| Acquire and implement the chosen IoT Platform based on the IoT strategy, strategic priorities and IT Infrastructure strategy

Calendar Estimate		
Year 1	Year 2	Year 3
01 02 03 04	01 02 03 04	01 02 03 04
Year 4	Year 5	Year 6
01 02 03 04	01 02 03 04	01 02 03 04

**Procurement Objects\***

- IoT devices
- IoT platform

\*The procurement objects provided are preliminary versions and subject to further refinement

**Interdependencies**

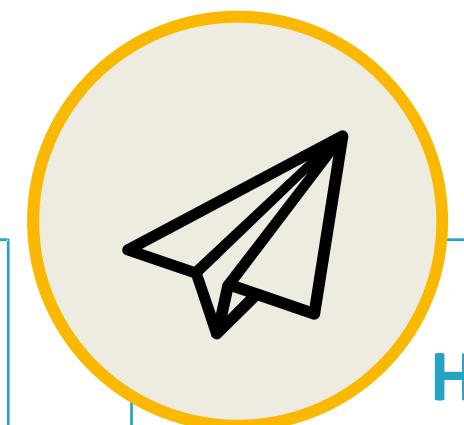
Not applicable

# STEP 6 - Procurement support



## City Guiding Agents

- Respond to specific requirements coordinating with procurement experts.
- Deliver customized guidance.



## Helpdesk's Ticketing system

- Direct contact with project **procurement experts** for template specific queries.

# STEP 6 - Procurement Templates



## Procurement Templates

French and German translation!



### Tender specifications



Scope and description of the procurement



General tendering information



Evaluation and award

### Technical specifications



Compliance checks and warranty

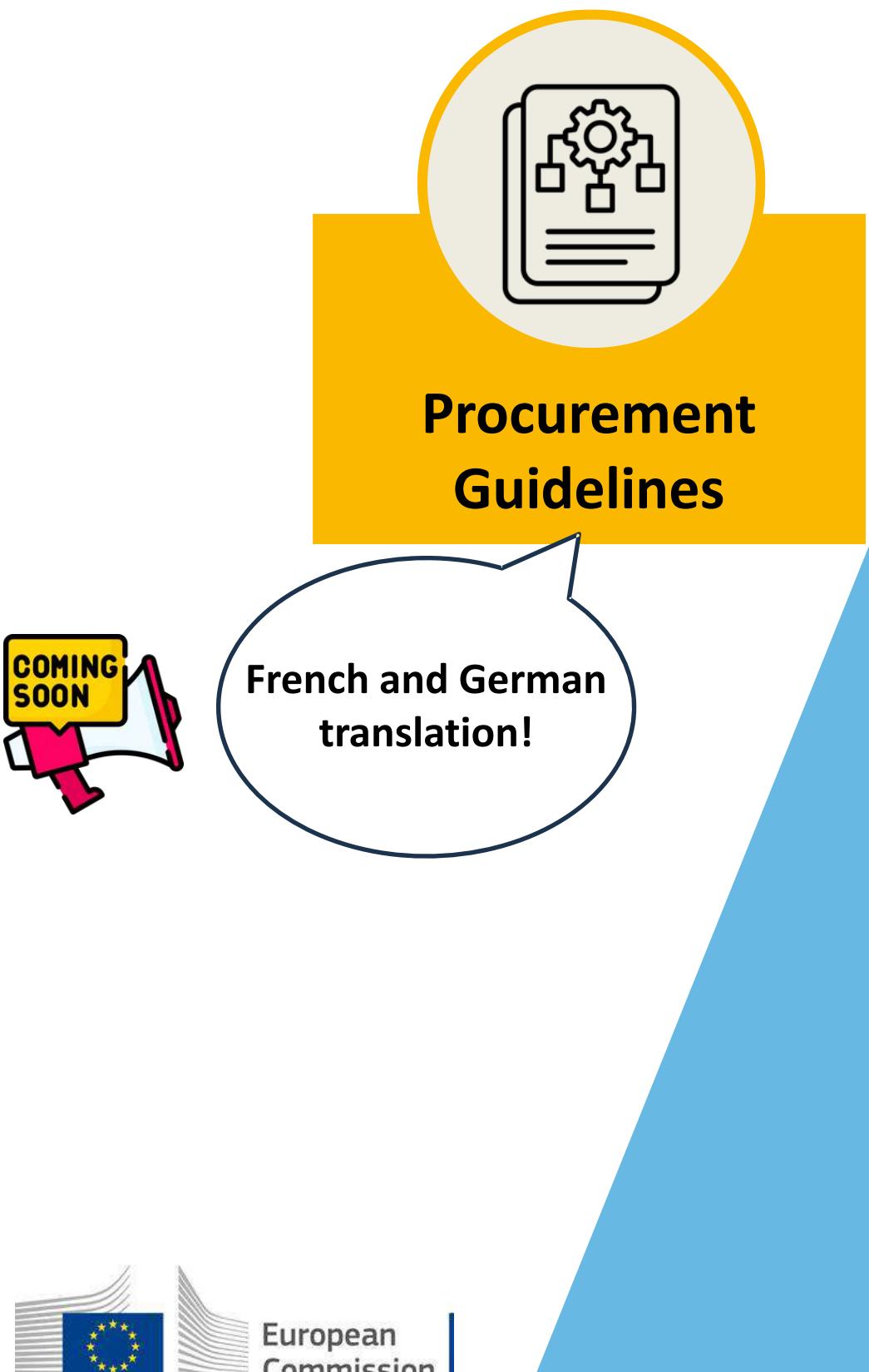


Technical and functional requirements

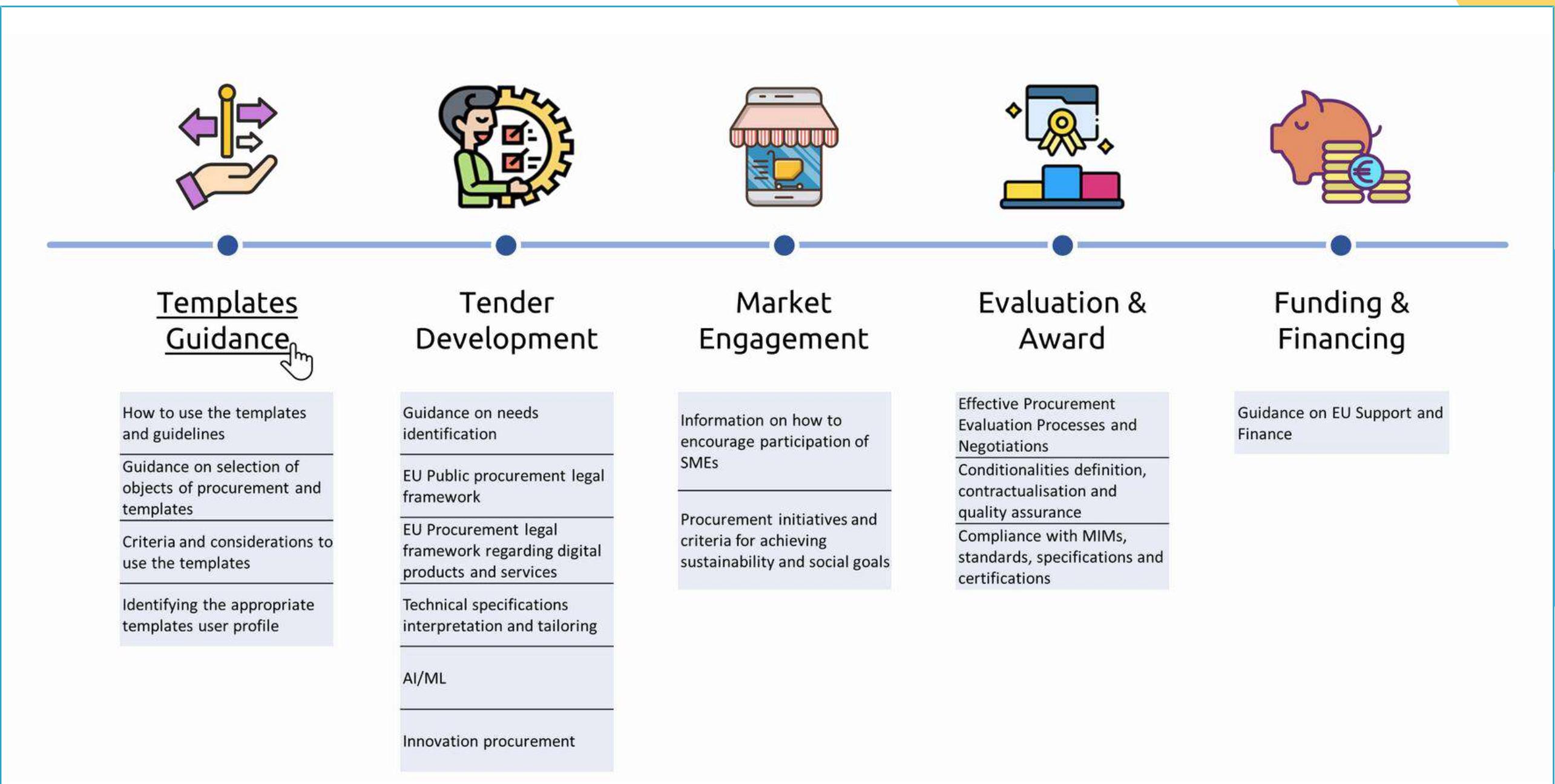


Minimum Interoperability Mechanisms (MIMs)

# STEP 6 - Procurement Guidelines



## Procurement process and related Guidelines



# Feedback After Completing the Journey



## Digitalisation Roadmap

- Helps **identify gaps** in the strategy towards 2030 goals.
- Makes **decision-makers aware** of gaps, needs, and investment required.
- Alignment with **EU standards** and **compliance** with regulations.



## External Assistance

- Provides an **expert team** to work with communities on their strategy.
- Accompanies them to **reassure the strategy, facilitating procurement**.
- Offers another point of view to **evaluate current gaps and investment priorities**.



# Unique Added Value of Completing the Journey



## Municipality of Cork

Our experience with the Local Digital Twins Digital Toolbox was a seamless experience from start to finish. It was enlightening to take stock of where we are on our Digital Transformation journey and through the assessments we derived a clearer picture of where our strengths and weaknesses lie. The ability to visualise how Cork compares and contrasts with other communities in Europe helps to contextualise future endeavors and the sharing of information among participants will allow for more informed collaboration.



Ian O'Sullivan  
ICT Project Leader



## Municipality of Burgas

The participation of Burgas in the project gave us a great opportunity to get an assessment of the state of our progress through established and recognized tools.

The resulting Digital Transformation Roadmap has outlined clear pathways to achieve the goals set out in our digital strategy. It showed us how interoperability and data capabilities, management and sharing can be extended and enhanced to force our progress on the way to the local digital twin.



Dimitar Nikolov  
Mayor



## Municipality of Dresden

The LORDIMAS maturity assessment not only helped to check the feasibility and comprehensiveness of the new strategy, but it also substantially helped to guide its practical implementation.

Looking into the development level of the smart city strategy, digital twin concepts and purposeful urban data utilisation from governance as well as technology perspective, important cornerstones and requisite actions for the further process became



Prof. Dr.-Ing. Jörg Rainer Noennig  
Science Lead of Dresden Smart City Project  
"Intelligent Quarters"



## Region of Western Macedonia

We see innovation occur when local communities face both challenges and inspirational opportunities. Such an opportunity was the technical support provided by the Local Digital Twins initiative.

During the preparation phase, the experts from the Online Helpdesk Service provided the local team with all necessary information, including webinars and assessment tools, for the mapping and scanning of the Region's digital landscape. After the analysis and digital maturity assessment, they delivered a well defined roadmap for the deployment of a timely Regional Digital Strategy for 2030.



Anastasios Rafaillidis  
Vice Governor for Digital Transformation



## Municipality of Kranj

Through collaboration with experts and other municipalities, the City of Kranj gained valuable insights into best practices for digital service delivery and citizen engagement. This experience helped us identify key areas for growth and provided the tools necessary to further our digital agenda, particularly in areas such as mobility, urban planning, and public administration.

The project fostered a sense of community among participating cities, where we could learn from one another and contribute to the broader discussion on how digital technologies can enhance urban living.



Tomaž Lanišek  
Head of Unit for Development  
and Smart City



## Municipality of Katerini

By leveraging the given resources, the municipality has enhanced its ability to plan and manage urban projects with precision, incorporating advanced digital technologies.

This collaboration has empowered Katerini to make data-driven decisions, optimise infrastructure, and improve overall public services, marking a significant step forward in its digital transformation journey.



Blatsios Spyridon  
Special Advisor to the Mayor on digital policies



## Municipality of Fundão

Our experience with the LDT Digital Toolbox has been truly enriching, as it effectively helped us assess the municipality's maturity to develop a digital twin for the city.

We expect the digital twin to enable us to plan and manage our urban environment in a more efficient and sustainable manner, while also playing a key role in involving citizens in the design, prototyping, and testing of new projects for the territory.



Ricardo Gonçalves  
Head of Innovation, Investment  
and Strategic Planning



## Municipality of Cabildo de La Palma

This project gave us the opportunity to reflect on our progress in digitalisation, allowing us to carefully align the evaluation results with our own understanding and insights.

Through this process, we were able to gain a deeper perspective on our strengths and the areas needing improvement. It was crucial to obtain a clear and customized roadmap to address key points and foster future innovation.



Juan Antonio Bermejo Dominguez  
Head of the Digital Transformation Service of the Cabildo  
de La Palma - Lead of the La Palma Smart Island Project



# Assessment and Roadmap



**Andres Maremäe**  
digitaalse kaksiku projektijuht  
Tallinna Strategiakeskus

# EXPRESS YOUR INTEREST IN THE ONLINE PROCUREMENT HELPDESK

**4 cities have already joined!**

- Tallinn already completed
- Tartu is on assessments
- Võru and Kohtla-järve are onboarding



**We will provide access to more  
cities more until June 2025.**

<https://living-in.eu/online-procurement-helpdesk-smart-communities>





TIME	TEEMA	ESINEJA
10:00 - 10:10	Tervitussõnad & sissejuhatus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
10:10 - 10:30	Enabling Smart Communities in EU, Estonia and beyond (in English)	<b>Helen Köpman</b>   European Commission
10:30 - 10:45	Milleks meile digikaksikud?	<b>Andres Maremäe</b>   Tallinna Strateegakeskus
10:45 - 11:00	Eesti vaade andmeruumidele ja -platvormidele	<b>Ralf-Martin Soe</b>   FinEst Centre for Smart Cities
11:00 - 11:15	Eesti digikaksikud ning nende arengusuunad	<b>Regina Viljasaar-Frenzel</b>   Kliimaministeerium
11:15 - 11:30	Paus	
11:30 - 11:50	Organisatsioonide andmeküpse mõõtmine ja kasvatamine	<b>Kuldar Aas</b>   Justiits- ja Digiministeerium
11:50 - 12:30	Digital Maturity Assessment with LORDIMAS tool   Creating Your Digitalisation Roadmap & Securing the Right Procurement Support ( <i>inglise keeles</i> )	<b>Martin Gauk</b>   ESPON <b>Ignacio Garcia Vega</b>   Serendipity
12:30 - 13:30	Lõuna	
13:30 - 13:55	Näiteid elust enesest: Eesti omavalitsuste võimalused ja vajadused	<b>Külle Tärnov</b>   FinEst Centre for Smart Cities <b>Katrin Rajamäe-Soosaar</b>   Eesti Linnade ja Valdade Liit
13:55 - 14:10	Rahastusvõimalused kohalikele omavalitsustele	<b>Tiiu Treier</b>   Ettevõtluse ja Innovatsiooni Sihtasutus (EIS)
14:10 - 15:10	Töötuba: Kiired võidud ja koostöövõimaluste kaardistus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
15:10 - 16:00	Lõppsõna & vabas vormis vestlused AvaLinnas	



# ÜHINE LÕUNA KOHVIKUS "MOOD"

12:30 – 13:30



TIME	TEEMA	ESINEJA
10:00 - 10:10	Tervitussõnad & sissejuhatus	<b>Sille Sepp</b>   FinEst Centre for Smart Cities
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15:10 - 16:00	Lõppsõna & vabas vormis vestlused AvaLinnas	

# Näiteid elust enesest: Eesti omavalitsuste võimalused ja vajadused



**Külle Tärnov**  
innovatsioonijuht  
FinEst Centre for Smart Cities



**Katrin Rajamäe-Soosaar**  
IKT nõunik  
Eesti Linnade ja Valdade Liit

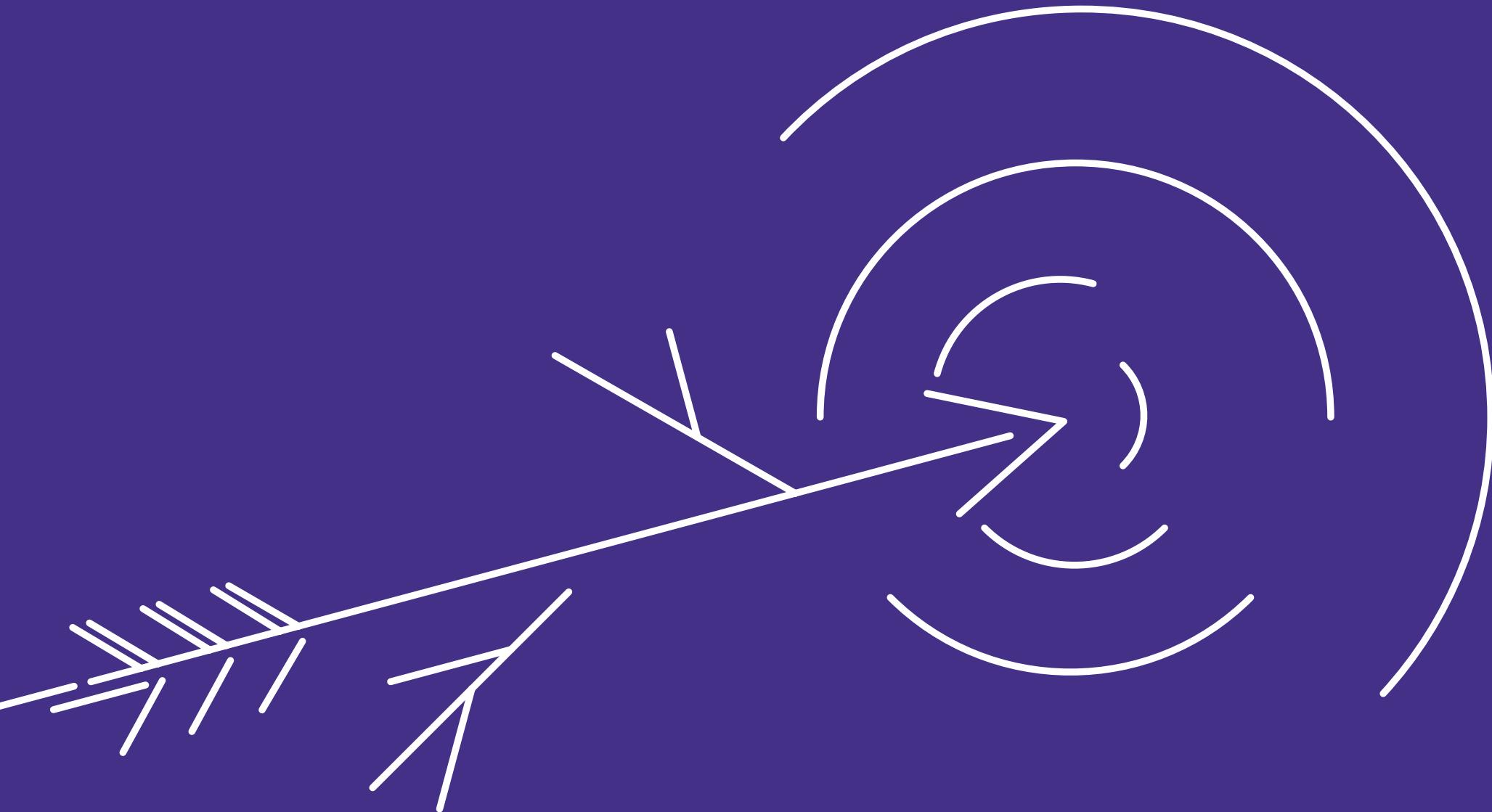
# Rahastusvõimalused kohalikele omavalitsustele



**Tiiu Treier**

innovatsiooni rahastuse arendusjuht  
Ettevõtluse ja Innovatsiooni Sihtasutus (EIS)

# Digital Europe Programme



Tiiu Treier

Rahvusvaheliste partnerluste arendusjuht

Ettevõtluse ja Innovatsiooni Sihtasutus

# Rahvusvahelise koostöö valdkond



Rahvusvahelise koostöö valdkonna eesmärk on toetada Eesti ettevõtteid jätkusuutliku rahvusvahelise kasvu ja laienemise saavutamisel teadmismahukate programme ning rahvusvahelise strateegilise koostöö kaudu.

Euroopa  
Liidu  
võimalused  
(Brüssel)

EIC  
Accelerator

Eureka sh  
Eurostars

DEP

Kosmos sh  
ESA

CERN

Enterprise Europe Network



# Digital Europe Programme - Strategic Objectives

SO1: High Performance Computing

SO2: Artificial Intelligence

SO3: Cybersecurity

SO4: Skills

SO5: Deployment

SO6: Chips

**Total:**  
EUR 8.2 billion  
over 7 years

Affecting the Programme  
- Chips Act  
- New geopolitical reality

The Digital Europe Programme (DEP) is a program running through 2021-2027, designed to **bridge the gap between digital technology research and market deployment**. Unlike the Horizon Europe Programme, the DEP does not fund R&D projects but rather focuses on **deployment and advancement** of digital technologies in Europe.



# WP 25-27

## SO2



### Making Europe an AI continent

Cloud-to-edge

Data for AI Factories

ApplyAI: GenAI for TEFs

Deploying AI EDIHs

Destination Earth

## SO3



### Cybersecurity

## SO4



### Advanced Skills

Sectorial digital academies

Masters

## SO5



### Accelerating the best Use of Technologies

eGov

Interoperability

Justice and Consumers

Safer Internet

Support to MCPs

# Digital Europe



- **Funding Source:** The DEP is funded by the EU budget, with €8.2 billion allocated for 2021-2027.
- **Stakeholders:** Public administrations, industry, and research communities involved in digital transformation.
- **Objectives:** DEP aims to strengthen Europe's digital capabilities by funding projects that develop digital infrastructure, enhance cybersecurity, and promote advanced digital skills. It supports public administrations in deploying AI, high-performance computing, and digital public services to improve efficiency and accessibility

# DIGITAL EUROPE PROGRAMME

## First set of calls in 2025: Calls 8 (part 1)

Call	Topic	Title	Budget (Meuro)	Restrict (12.6)
DIGITAL-2025-AI-08 AI Continent	DIGITAL-2025-AI-08-PROCESSOR	Support to the secretariat for the Alliance on Processors and Semiconductor Technologies	1	NO
	DIGITAL-2025-AI-08-DS-SUPPORT	Data Spaces Support Centre	10	NO
	DIGITAL-2025-AI-08-COMPLIANCE	Digital solutions for regulatory compliance through data	8	NO
	DIGITAL-2025-AI-08-AGRIFOOD	Multi-Country project in Agri-Food	15	NO
	DIGITAL-2025-AI-08-SUPPLY-AI	Apply AI: GenAI for the public administrations	21	YES
			<b>total 55</b>	
DIGITAL-2025-EDIH-EU-EEA-08 EDIHs AI Continent	DIGITAL-2025-EDIH-EU-EEA-08-CONSOLIDATION-STEP	Consolidation of the Network of European Digital Innovation Hubs (EDIHs with reinforced AI focus)	<b>170</b>	NO
DIGITAL-2025-EDIH-AC-08 European Digital Innovation Hubs	DIGITAL-2025-EDIH-AC-08-CONSOLIDATION-STEP	Consolidation of the Network of European Digital Innovation Hubs (EDIHs with reinforced AI focus) – recently associated countries	9	NO
	DIGITAL-2025-EDIH-AC-08-COMPLETION-STEP	Completion of the Initial Network of European Digital Innovation Hubs (EDIHs)	2	NO
			<b>total 11</b>	



# DIGITAL EUROPE PROGRAMME

## First set of calls in 2025: Calls 8 (part 2)

Call	Topic	Title	Budget (Meuro)	Restrict (12.6)
DIGITAL-2025-SKILLS-08 Advanced Digital Skills	DIGITAL-2025-SKILLS-08-QUANTUM-ACADEMY-STEP	Sectoral digital skills academies: Digital Skills Academy in GenAI	10	NO
	DIGITAL-2025-SKILLS-08-GENAI-ACADEMY-STEP	Sectoral digital skills academies: Digital Skills Academy in GenAI	7	NO
	DIGITAL-2025-SKILLS-08-VIRTUAL-WORLDS-ACADEMY-STEP	Sectoral digital skills academies: Virtual Worlds Skills Academy	10	NO
				<b>total 27</b>
DIGITAL-2025-BESTUSE-08 Accelerating the Best Use of Technologies	DIGITAL-2025-BESTUSE-08-NETWORKSICs	Network of Safer Internet Centres (SICs)	42	NO
	DIGITAL-2025-BESTUSE-08-FACTCHECKERS	European network of fact-checkers	5	NO
				<b>total 47</b>

- Total budget in the 1<sup>st</sup> set of calls 310 Meuro
- 2<sup>nd</sup> set of calls planned to open in Q4 2025



# DIGITAL EUROPE PROGRAMME

## Graphic presentation activities DEP 2025 1<sup>st</sup> set of calls

DEP calls 08 - opening Q2 2025	2025										2026		
	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	
DIGITAL-2025-EDIH-EU-EEA-08	3/4 - 14/5		Evaluations/ Grant Agreement Prep.							grant signature			
DIGITAL-2025-EDIH-AC-08 (2)	publ F&T												grant signature
DIGITAL-2025-AI-08 (5)	publ F&T		call open				Evaluations						
DIGITAL-2025-SKILLS-08 (3)	publ		15/04 - 02/09				Grant Agreement Preparation						
DIGITAL-2025-BESTUSE-08 (2)	publ												grant signature



## Main types of actions

### Simple grants

- EU funds up to 50% of all eligible costs
- Flexible type of action for a variety of topics
- Can cover most activities

### SME Support Actions

- EU funds up to 75% of all eligible costs for SMEs and up to 50% of all eligible costs for all other actors
- Activities directly aimed at supporting SMEs involved in the building of digital capacities

### Coordination & Support Actions

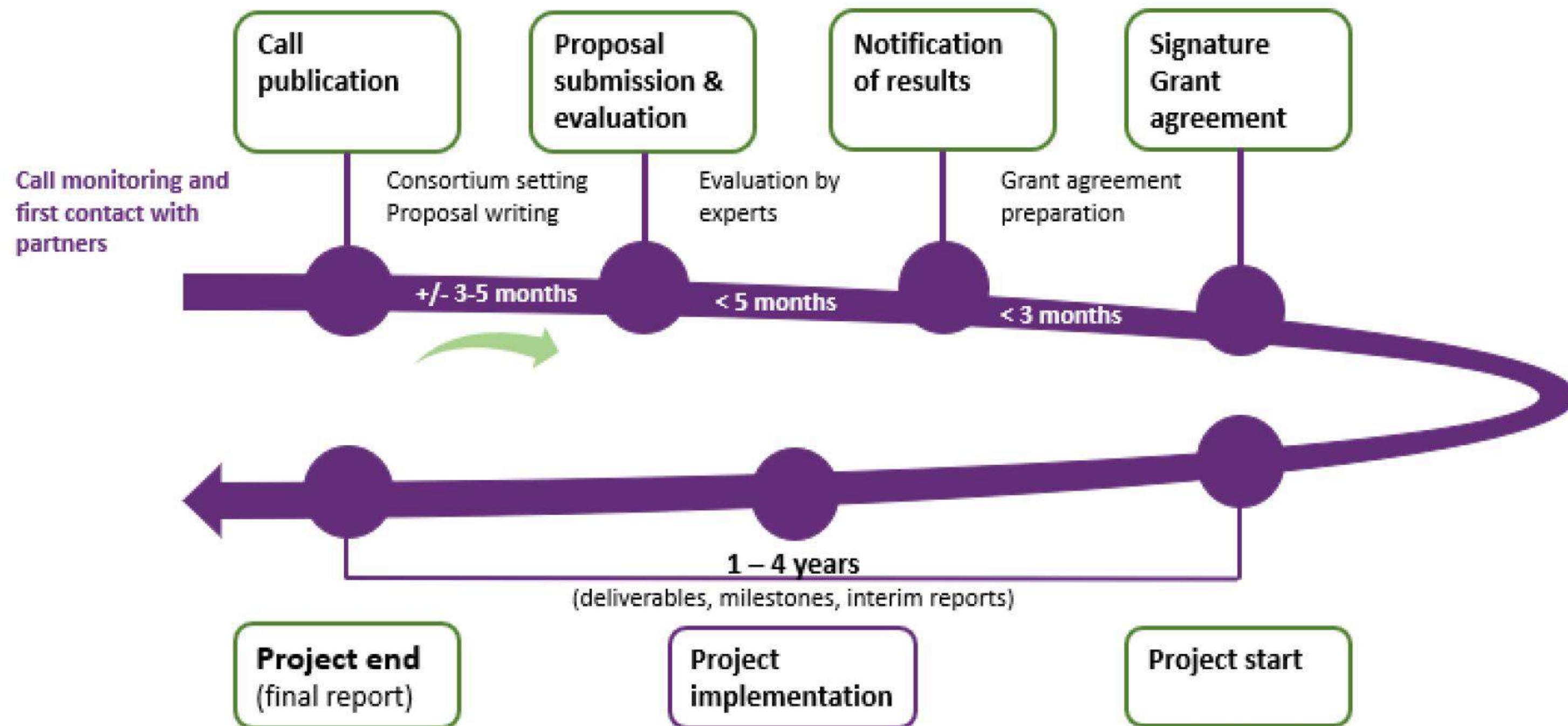
- EU funds up to 100% of all eligible costs
- Smaller type of action
- Primary goal to promote cooperation and/or provide support to EU policies

### Financial Support to Third Parties

- Aka cascade funding
- Majority of the budget will be distributed to smaller projects, based on calls by the main consortium
- EU funds up to 100% of main consortium
- Consortium funds up to 50% of all costs for smaller projects

# Planning your proposal

Before you start - consider the whole project life cycle





# How to find call topics?

European Commission | EU Funding & Tenders Portal Sign in EN

[Home](#) [Funding ▾](#) [Procurement ▾](#) [Projects & results ▾](#) [News & events ▾](#) [Work as an expert](#) [Guidance & documents ▾](#)

Calls for proposals are funding opportunities issued by the European Union institutions, agencies and bodies. These are direct financial contributions, known as grants, that are awarded to third-party beneficiaries (e.g., research organisations, public entities, non-governmental organisations, and private companies) to engage in activities that serve EU policies.

[More details ↗](#)

**Filters** 20 item(s) found Opening date / Publication date

**Quick search**  Select... Programme Digital Europe Programme (DIGITAL) ×

**Programming period** Open For Submission

**Digital Europe Programme (DIGITAL)** Open For Submission

**Call** Open For Submission

**Submission status** Open For Submission

**Forthcoming**

**Open for submission** (20)

**Closed**

**Call for Design Platform**  
DIGITAL-Chips-2024-CSA-CDP-1 | Call for proposal  
Opening date: 13 August 2024 | Next deadline: 10 October 2024 | Single-stage

Programme: Digital Europe Programme (DIGITAL) | Type of action: DIGITAL JU Coordination and Support Actions

**Alliance for Language Technologies**  
DIGITAL-2024-AI-B-06-LANGUAGE | Call for proposal  
Opening date: 01 August 2024 | Next deadline: 26 September 2024 | Single-stage

Programme: Digital Europe Programme (DIGITAL) | Type of action: DIGITAL Simple Grants

**Alliance for Language Technologies**  
DIGITAL-2024-AI-B-06-LANGUAGE | Call for proposal



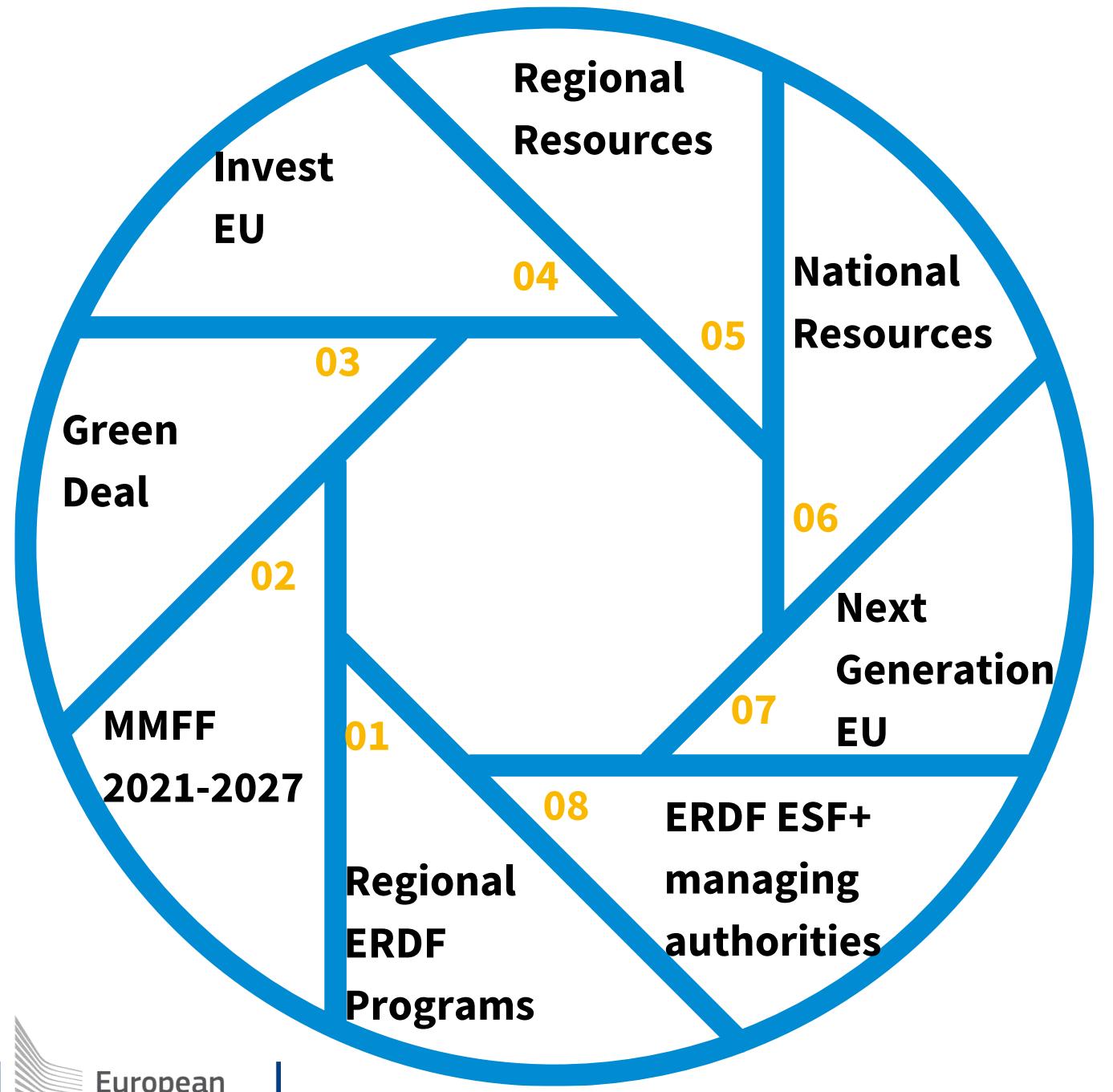
Tiiu Treier

[Tiiu.Treier@eis.ee](mailto:Tiiu.Treier@eis.ee)

#DigitalEUProgramme

# Unlocking Tomorrow: Funding strategy

There are ample funding opportunities to make long-term investment into digital infrastructure and sustainability transformation. Craft a strategic funding plan that seamlessly integrates European, national, and regional resources to enhance every facet of your city's transformation



**Digital Europe Programme**  
Deadlines in 2025, 2026 and  
2027.



**Horizon Europe**  
Mission Cities and Cluster 5  
focusing on Climate, Energy,  
and Mobility topics closing in  
September 2025

**EMPOWERMENT**  
Online Training 3  
**May 15th**  
**10:30 AM**

# Töötuba: Kiired võidud ja koostöövõimaluste kaardistus



**Sille Sepp**

FinEst Centre for Smart Cities

# Töötuba: Kiired võidud ja koostöövõimaluste kaardistus

## 1. SAMM

### Jagamisring:

Milliseid andmepõhiseid protsesse ja lahendusi olete oma töös katsetanud/rakendanud?

(15 min)

## 2. SAMM

### Väljakutse:

Kirjeldage **1 probleem/väljakutse**, mida sooviksite oma kogukonnas lahendada? Võite võtta aluseks ka eelmises sammus kuulduud kasutuslugu, et seda üheskoos edasi arendada.

(15 min)

## 3. SAMM

### Võimalikud lahendused:

Kuidas saaks antud probleemi andmepõhiselt lahendada? Kuidas saaksid täna tutvustatud digi-lahendused ja lähenemised toetada probleemi lahendamist? Millist tuge oleks teil vaja?

(15 min)

Töö gruppides – kohapeal ja veebis  
Aega kuni kell 15:00

Kasuta ka töölehte!

# Töötuba: Kiired võidud ja koostöövõimaluste kaardistus

Ülevaade grupitööst

## 1. SAMM

### Jagamisring:

Milliseid andmepõhiseid protsesse ja lahendusi olete oma töös katsetanud/rakendanud?

## 2. SAMM

### Väljakutse:

Kirjeldage **1 probleem/väljakutse**, mida sooviksite oma kogukonnas lahendada?

## 3. SAMM

### Võimalikud lahendused:

Kuidas saaks antud probleemi andmepõhiselt lahendada? Kuidas saaksid täna tutvustatud digi-lahendused ja lähenemised toetada probleemi lahendamist? Millist tuge oleks teil vaja?

**1-2 lugu, mida ka teised peaksid teadma?**

**Mis probleemi või väljakutset arutasite?**

**Milliseid lahendusi tuvastasite? Järgmised sammud?**

# Võta meiega ühendust



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**Ignacio Garcia Vega**

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**Katrin Rajamäe-Soosaar**

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# Järgmised sammud

1



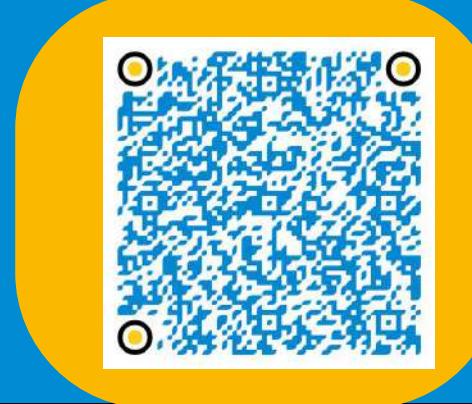
Uuri digikaksiku  
kasutamise võimalusi  
enda KOVis

2



Liitu Living-in.EU  
initiatiiviga

3



Hinda oma KOVi  
digiküpsust LORDIMASiga

4



Uuri lähemalt MIMs Plus  
ressursse, et luua oma  
andmearhitektuuri raamistik

5



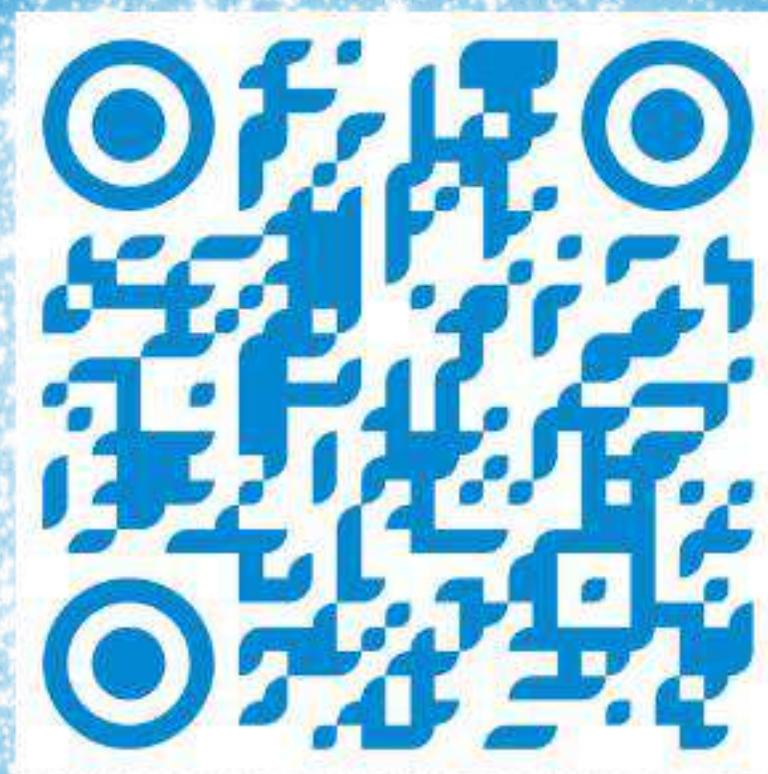
Uuri ELi tugiteenuseid  
nutikate kogukondade  
arendamiseks

6

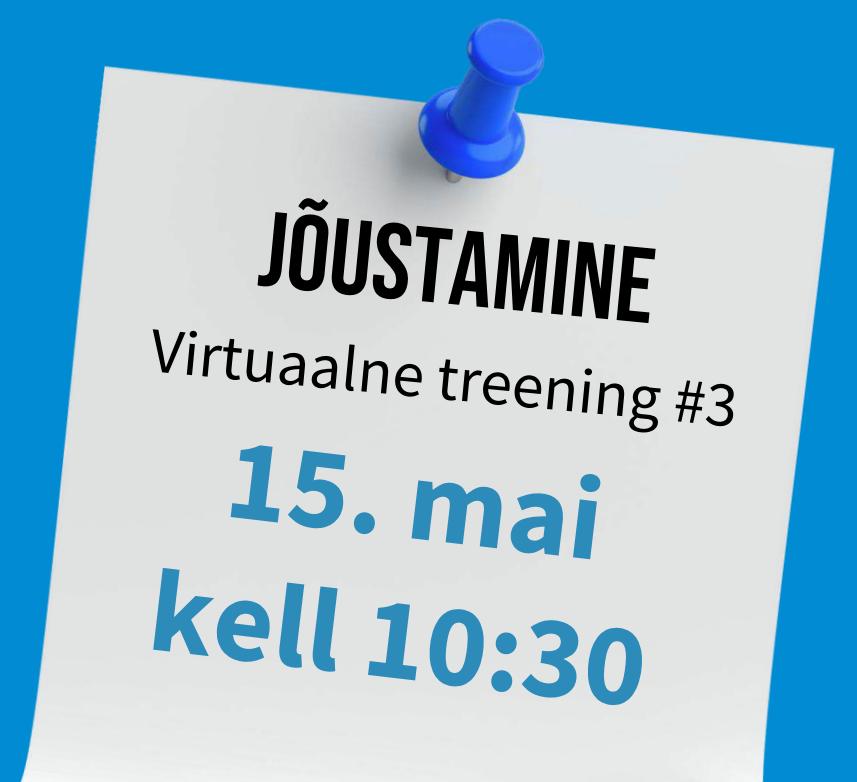


Anna märku oma huvist  
osaleda Online Procurement  
Helpdesk programmis

# REGISTREERU VIRTUAALSETESSE TÖÖTUBADESSE!



<https://bit.ly/oasctr1>



# Ootame Sinu tagasisidet!



[bit.ly/4jAjuYk](https://bit.ly/4jAjuYk) 

# AITÄH!

