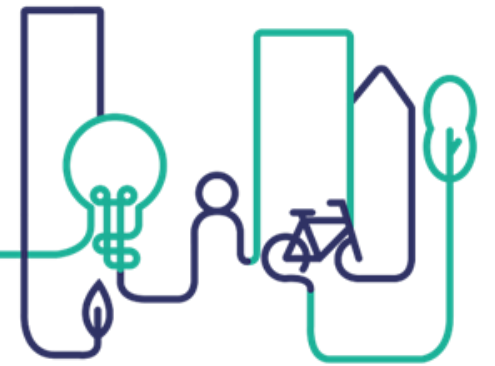


Leveraging innovation ecosystems for Sustainable Cities

EUI CAPACITY BUILDING EVENT



Co-funded by
the European Union

Today's programme

09:00

Drawing on key learnings

09:20

Challenge-oriented approach to smart cities

09:45

Sharpen your skills *Workshops*

10:13

Coffee break

11:30

Meet the cities and funders

12:30

Lunch

14:00

Making it all happen

15:30

What's next in your capacity building journey?

16:00

Closing together



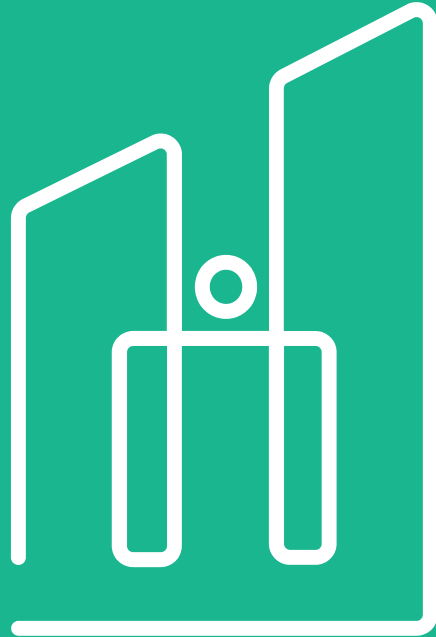
Let's capture
yesterday!

A large white circular arrow graphic on a teal background, with the text 'Sli.do' in the center. The arrow starts at the top, goes clockwise, and ends at the bottom.

Sli.do



Event code: #EUITampere



FinEst Centre
for Smart Cities

A Challenge Oriented Approach to Smart Cities

Külle Tärnov, Head of Innovation



Co-funded by
the European Union



Investing
in your future



REPUBLIC OF ESTONIA
MINISTRY OF EDUCATION
AND RESEARCH

The setup of the FinEst Centre for Smart Cities is funded by the European Union's Horizon 2020 Research and Innovation Programme, under the grant agreement No. 856602, by the European Regional Development Fund and the Estonian Ministry of Education and Research.

FinEst Centre for Smart Cities

Who we are?

FinEst Centre for Smart Cities is an international research and development centre driven by the passion to enhance the quality of life in urban areas.



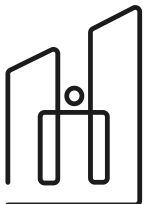
Our **ambition** is that our 10 smart solutions will be developed and implemented in at least 30 European cities by 2030.

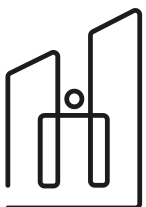
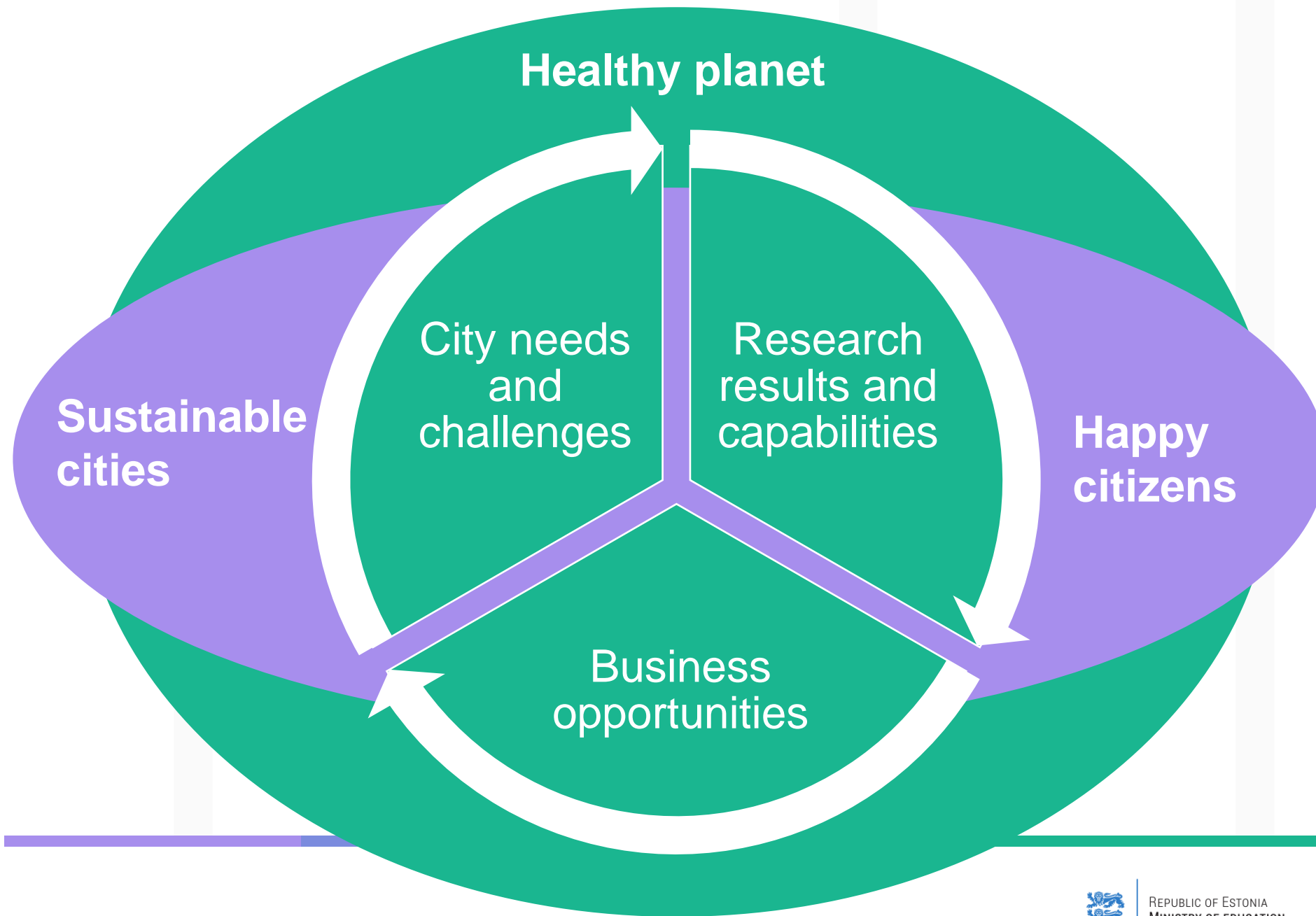


Our **mission** is to ensure that as cities grow and evolve, they remain centred on the needs and well-being of their residents.

**TAL
TECH**

A!
Aalto University





REPUBLIC OF ESTONIA
MINISTRY OF EDUCATION
AND RESEARCH



Pilot project setup

Phase 1

Development of the solution

incl. the methodology, technology, and needed research

Mid-sized pilots – 6 months

Large pilots – 12 months

Phase 2

Pilot in cities and pilot analysis

Mid-sized pilots – 12 months

Large pilots – 12 months

Phase 3

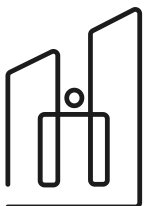
Further development of the solution

to prepare it for scaling and commercialization, preparing follow-up projects

Mid-sized pilots – 6 months

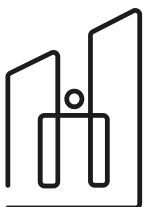
Large pilots – 12 months

Go / No-go



Pilot projects size

- ❖ Large pilot project - 3 years:
 - ❖ budget of 1.21M€
- ❖ Mid-sized pilot project – 2 years:
 - ❖ budget of 835k€





SIX PILOTED SOLUTIONS

Jan 2021 – Aug 2023



6 pilot projects done → 6 new solutions created



DIGIAUDIT

Pilots in Tartu and Tallinn



RENOVATION STRATEGY TOOL

Pilot in Võru



MICROGRIDS & ENERGY STORAGE PLATFORM

Pilots in Tartu and Paldiski



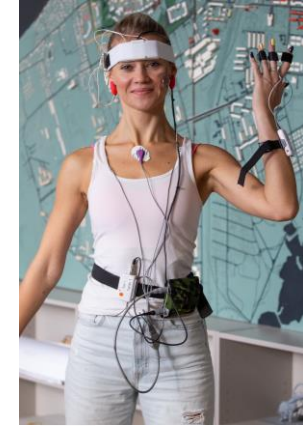
GREENTWINS

Pilot in Tallinn



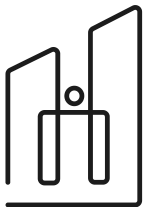
AUTONOMOUS VEHICLE SAFETY TOOLKIT

Pilots in Tallinn and Rae county



URBAN WELL-BEING DIAGNOSTICS

Pilot in Narva



Real-Time Building Performance Audit - Digiaudit

Automated building performance analysis to understand:

- Actual energy use and operational carbon emissions
- Actual indoor climate
- Impact of implemented saving and improvement measures

Services by ThinFacility

- **Light** - basic building energy efficiency assessment
- **Pro** – detailed energy efficiency and indoor climate assessment

Energy performance certificates and indoor climate classes



Key statistics Annual data

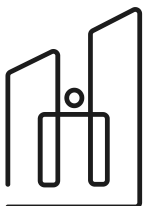
BUILDINGS 8	ELECTRICITY CONSUMPTION 521.01 MWh (21.79 kWh/m ²)	ELECTRICITY COST 127,854.85 € (5.35 €/m ²)
TOTAL AREA 23,908 m ²	HEAT CONSUMPTION 2,271.5 MWh (95.01 kWh/m ²)	ENERGY USE CARBON EMISSION 609.36 tCO ₂ (25.49 kgCO ₂ /m ²)

Buildings ordered by energy efficiency

Name TL	TL	Energy cost		Energy use carbon emission	
		€ TL	€/m ² TL	ton TL	kg/m ² TL
	B	383.66	0.13	24.06	8.27
	C	-3,650.1	-1.06	29.17	8.48
	C	12,197.8	4.41	64.06	23.17
	C	32,448.8	6.33	137.54	26.81
	D	13,457.49	4.83	76.62	27.48
	D	23,620.49	6.2	100.2	26.31
	E	10,195.85	10.17	46.75	46.65
	N/A	39,200.86	18.99	130.96	63.44

Buildings ordered by indoor climate

Name TL	Indoor climate classes	
	Thermal comfort class TL	Indoor air quality class TL
	IV	I
	IV	III
	IV	II
	IV	II
	IV	II
	IV	II
	IV	II
	IV	III



Contact: **Kalle Kuusk** **Jürjo Preden**

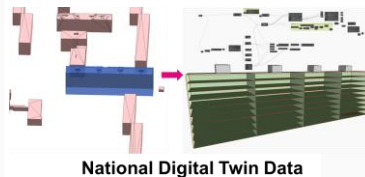
<https://finestcentre.eu/> <https://thinfacility.com/>

RESTO – REnovation Strategy TOol

1 Pick the buildings



2 Data acquisition from public databases

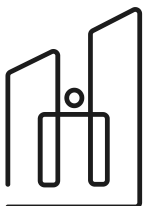


3 Adjust data, if faulty in databases, and let RESTO to run...

4

Find the most optimal energy efficiency investment plan for selected buildings

- Lists of renovation measures, incl investment costs
 - Additional wall insulation needed,
 - Volumes for change of windows,
 - Volume of roof insulation materials,
 - Needs for heating system changes,
 - Volume of PV panels,
- Expected energy consumption and energy saved, average energy certificate level (ETA)
- Expected CO₂ savings (based on LCA)
- Return on Investments (IRR, NPV)
- Financing requirements (grants, loans, owners capital)



Contact: Dr. Einari Kisel
<https://www.finestcentre.eu/>

Open-Source Software Platform for Distributed Power Systems

Platform:

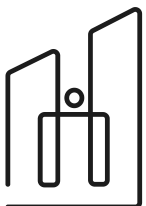
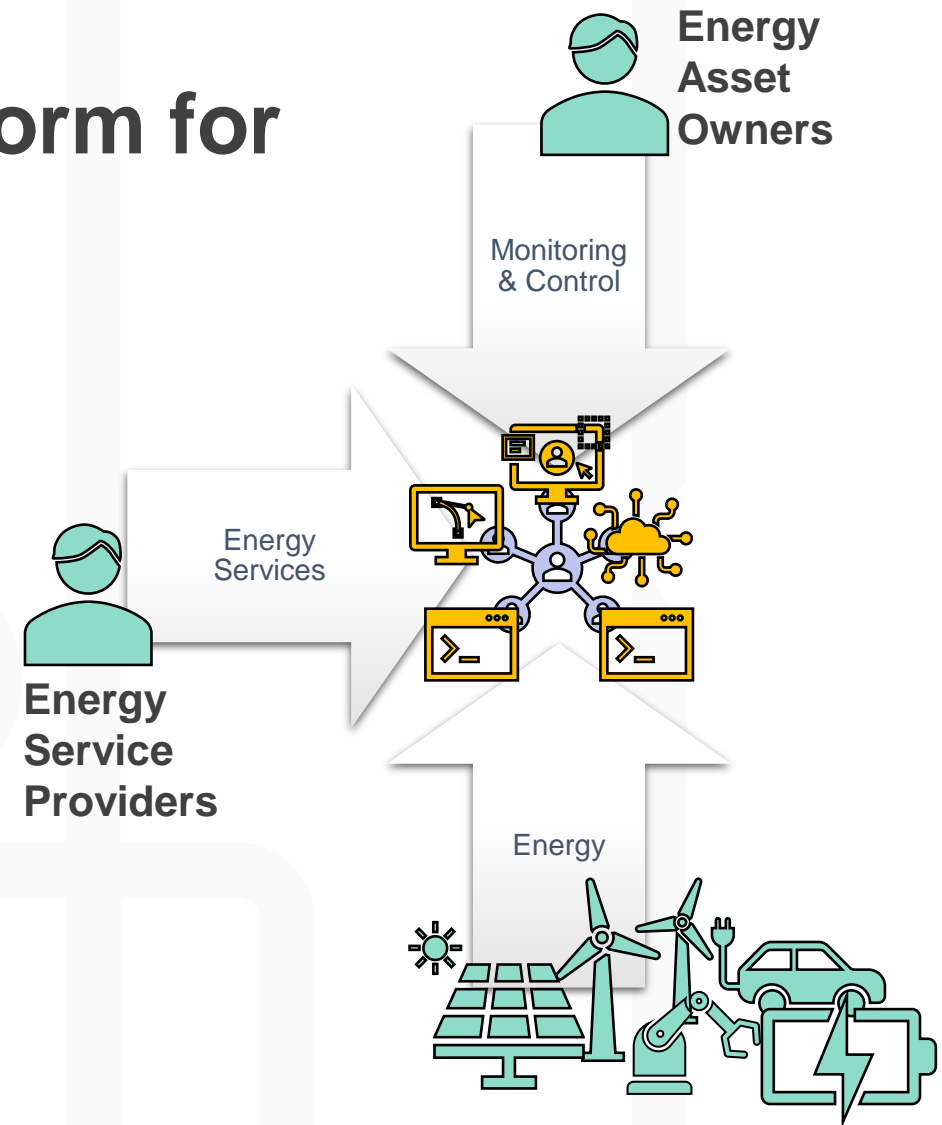
- Connects power system assets
- Facilitates API and core functionality
- Open to developers and hardware providers

Applications:

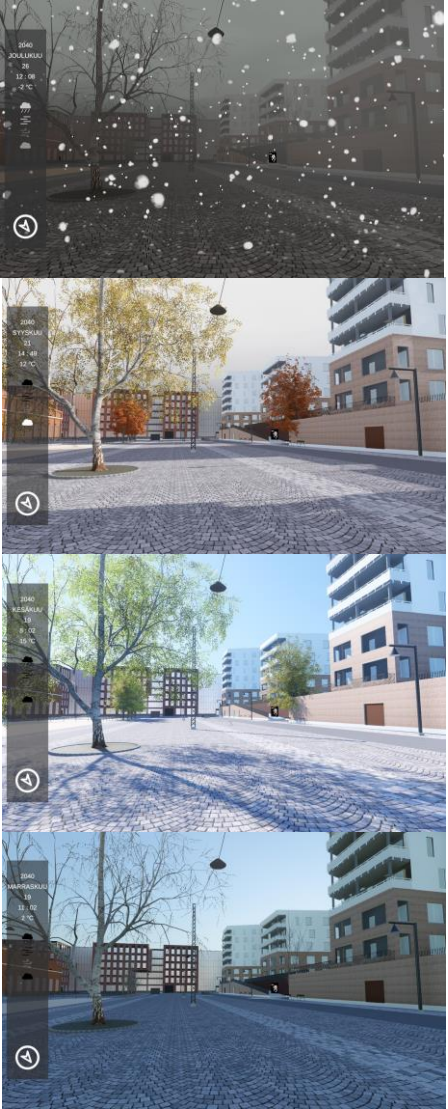
- Modular functionality through API-based local- and cloud-Applications
- Native Applications for asset dispatch and control
- Connectivity Applications for integrating energy services

Value for Stakeholders:

- Optimized use and performance of assets
- Improved mitigation of risks
- Competitive advantage through agile adaptation



Contact: **Dr. Tarmo Korõtko**
<https://www.finestcentre.eu/>



Greentwin.ai

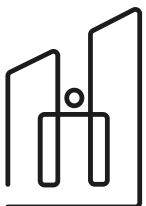
Urban vegetation modelling problematics:

What:
Vegetation
Information
management

Where:
Mapping of
vegetation

When:
Temporality in
vegetation

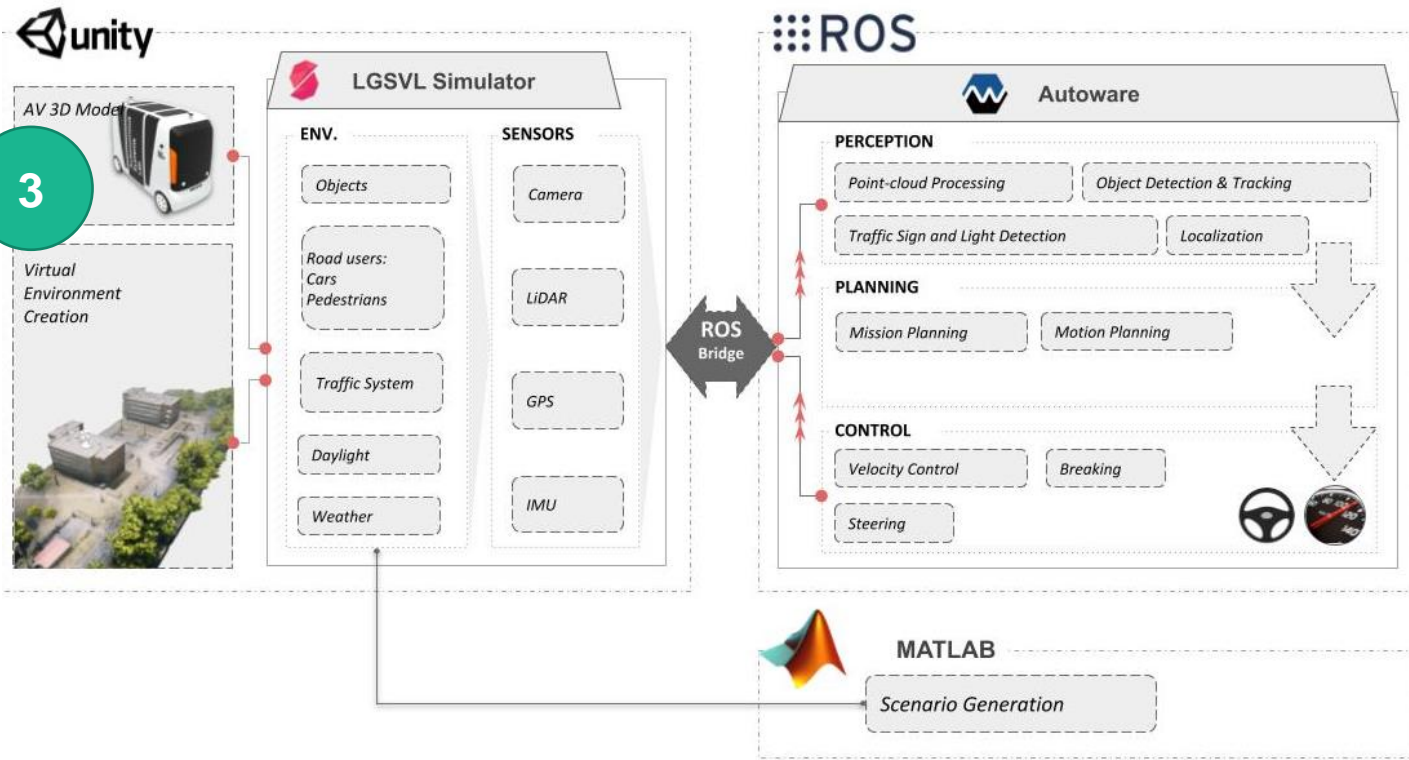
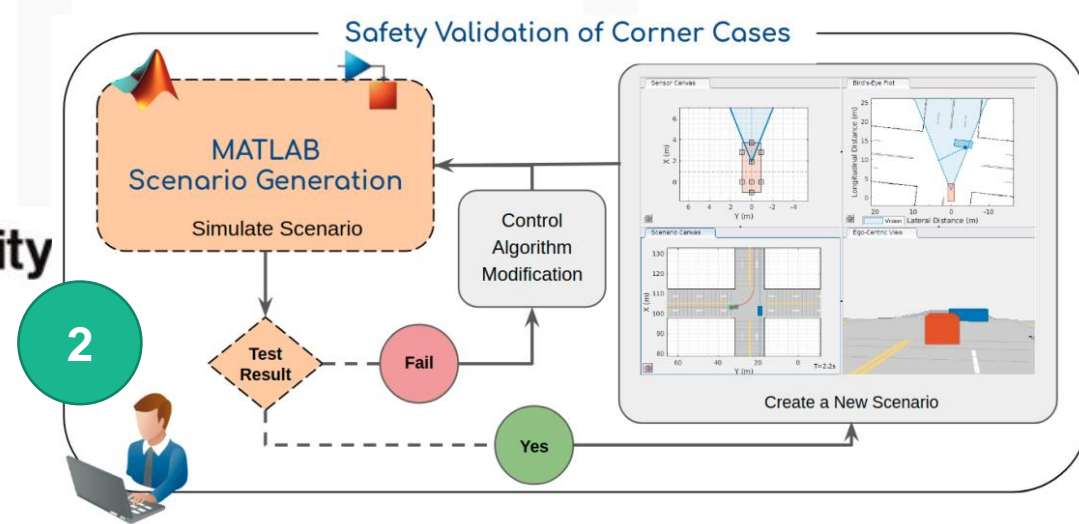
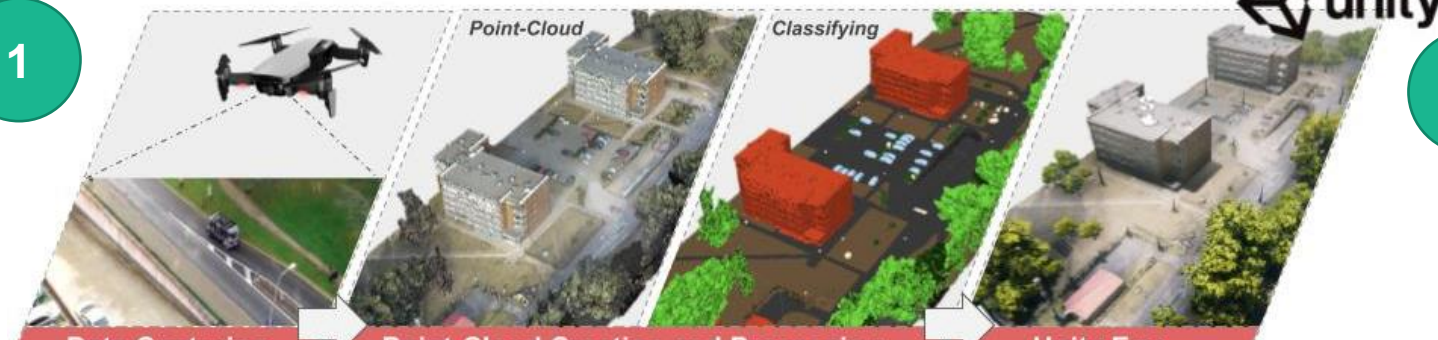
Simulation and visualization platform
that supports temporality



Contact: Lauri Lemmenlehti, Henna Fabritius
<https://www.finestcentre.eu/>

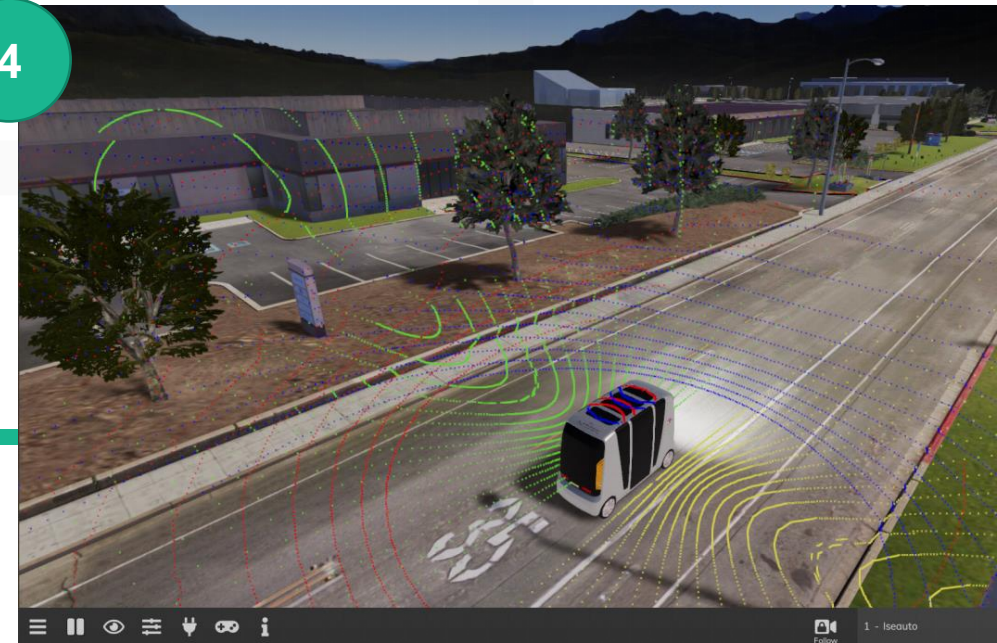


Autonomous Vehicle Shuttle for public transport

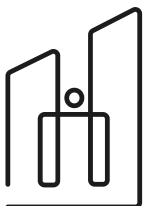
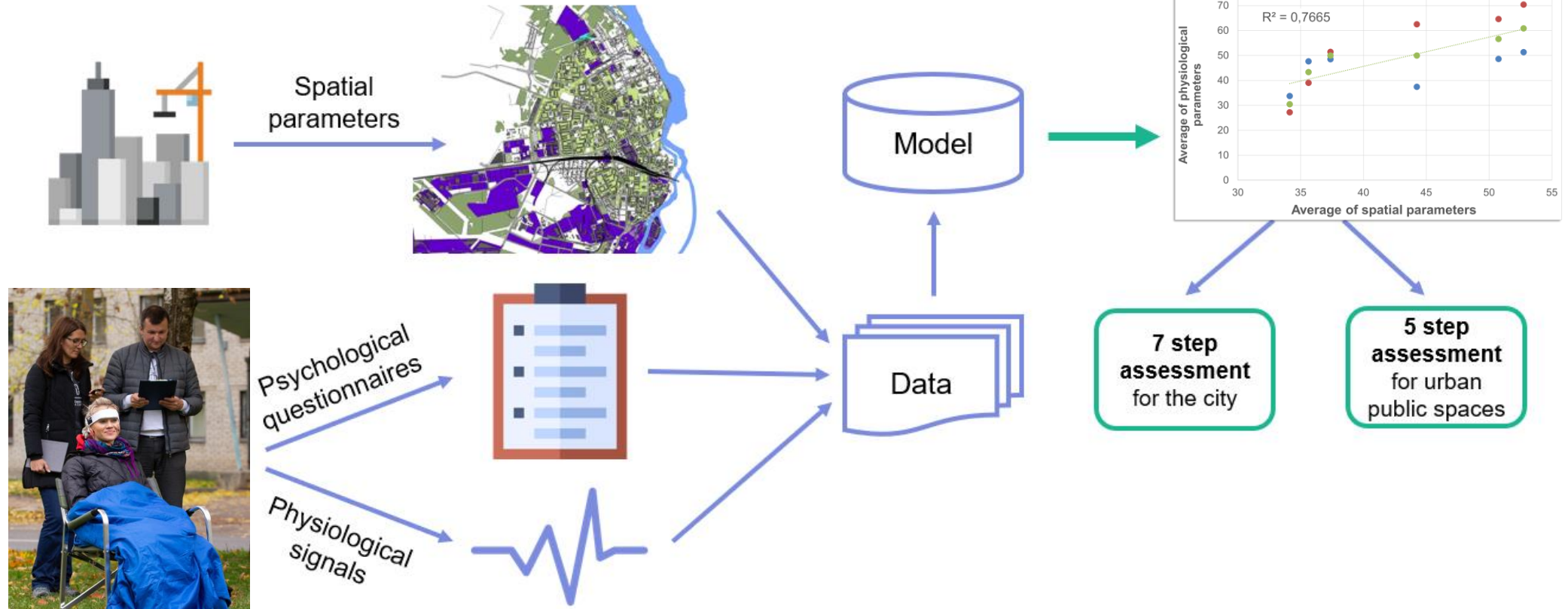


Safety toolkit

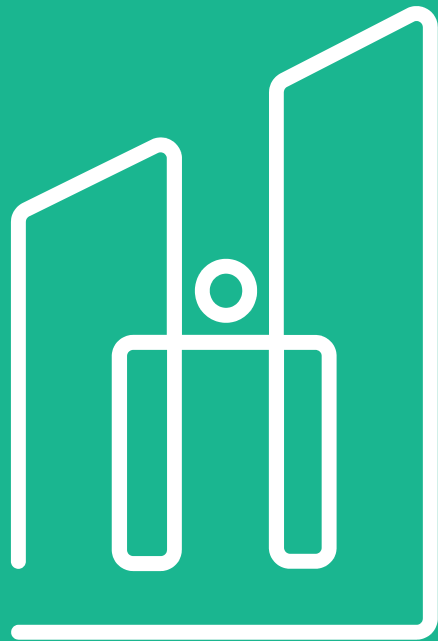
Contact: Prof. Raivo Sell



Well-being Diagnostics



Contact: Prof. Ivo Fridolin, Anneli Simm
<https://www.finestcentre.eu/>

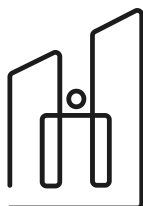


FinEst Centre
for Smart Cities

THANK YOU!

Külle Tärnov

kulle.tarnov@taltech.ee



The setup of the FinEst Centre for Smart Cities is funded by the European Union's Horizon 2020 Research and Innovation Programme, under the grant agreement No. 856602, by the European Regional Development Fund and the Estonian Ministry of Education and Research.

What's next?

09:45

Interactive Workshops

11:15

Coffee break

11:30

Meet the cities and funders

12:30

Lunch

14:00

Making it all happen

15:30

What's next?

16:00

Closing together

The image features a central text box with a dark blue border. Inside the box, the text "Welcome to the Marketplace!" is displayed. The word "Welcome" is in dark blue, "to the" is in a lighter blue, and "Marketplace!" is in a teal color. Two curved arrows, one teal and one dark blue, frame the text box. The teal arrow starts from the left, curves over the top, and points down towards the text. The dark blue arrow starts from the right, curves under the bottom, and points up towards the text. The background is white.

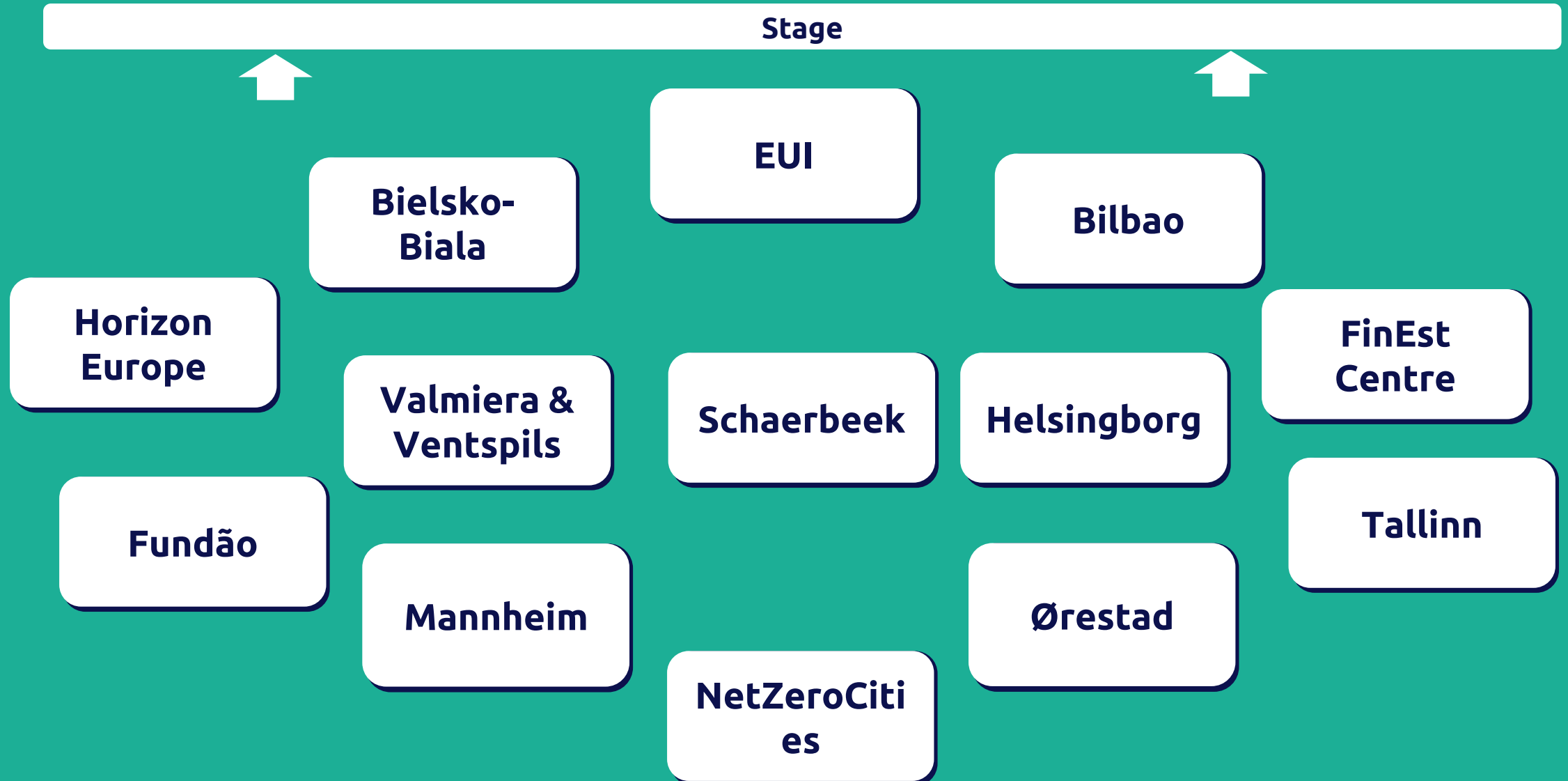
**Welcome to the
Marketplace!**



How does it work?

- 1 **Meet** 14 cities & funders
- 2 **Exchange** for 10 minutes & jump to the next
- 3 **Think** about where to go!
- 4 **Breathe:** you have until lunch time

The Marketplace Map





Portico

[Urban themes](#) ▾[Knowledge & practices](#) ▾[Urban Panorama](#) ▾[Our community](#) ▾[News & events](#) ▾

portico

The gateway to urban learning

We connect urban actors with knowledge, people and organisations to achieve sustainable urban development in Europe.



Building my skills & knowledge

Improve your knowledge and capacities
Learn from inspiring practices, methods
and tools



Discover the urban panorama

Connect to the EU initiatives that can
guide you to implementing sustainable
urban development



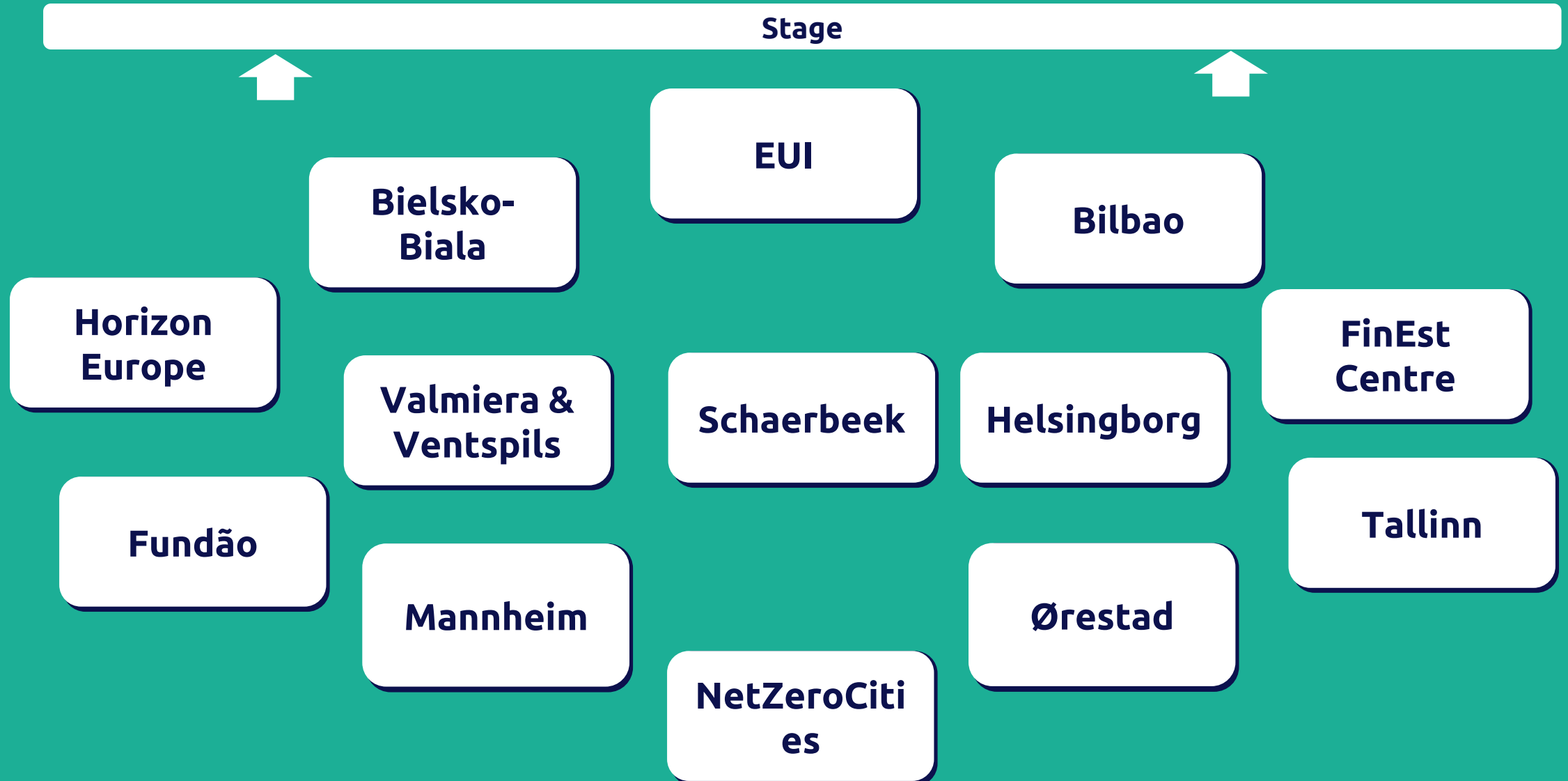
Thematic areas

Productive, smart and connected

Green

Just and inclusive

The Marketplace Map



What's next?

12:30

Lunch

14:00

Making it all happen

15:30

What's next?

16:00

Closing together



**Making it
all happen**

**Driving urban development through
strategic innovative actions & funding**

Leveraging resources and EU funds

Moderated by **Marion Cugnet**, EUI expert.



WHAT WE WILL TALK ABOUT

1

Running an inventory of your resources

2

Conducting a funding scan and portfolio building

3

Funding and financing landscape

4

Leveraging EU funds as catalyst and convener for sustainable urban development actions

0. Preparing for your funding strategy development

A few guiding questions/points to help you prepare (you probably have answered a few of them already!)

- How will you / who will coordinate the funding strategy?
- What are your key priorities? How do they align with local, regional, national and EU policies?
- Stakeholder engagement: Have you already identified your key stakeholders, how you will collaborate with community groups, businesses, universities, research organisations, admin and government bodies etc.
- Evidence-based approach & data-driven decision making: Do you use urban analytics and (smart) city data to inform strategies? Are continuous monitoring and evaluation embedded in your policy or project development activities?
- Use all opportunities to do so in an integrated cross-departmental way (e.g. internally directors' meetings, officers' meetings, partnership meetings etc. to identify synergies and share objectives, opportunities for collaboration)

1. Do an inventory of your resources...

- What do you already have?
- How can you optimise your existing resources?
- What can you do with what you have?
- What can you leverage more resources from your ecosystem?

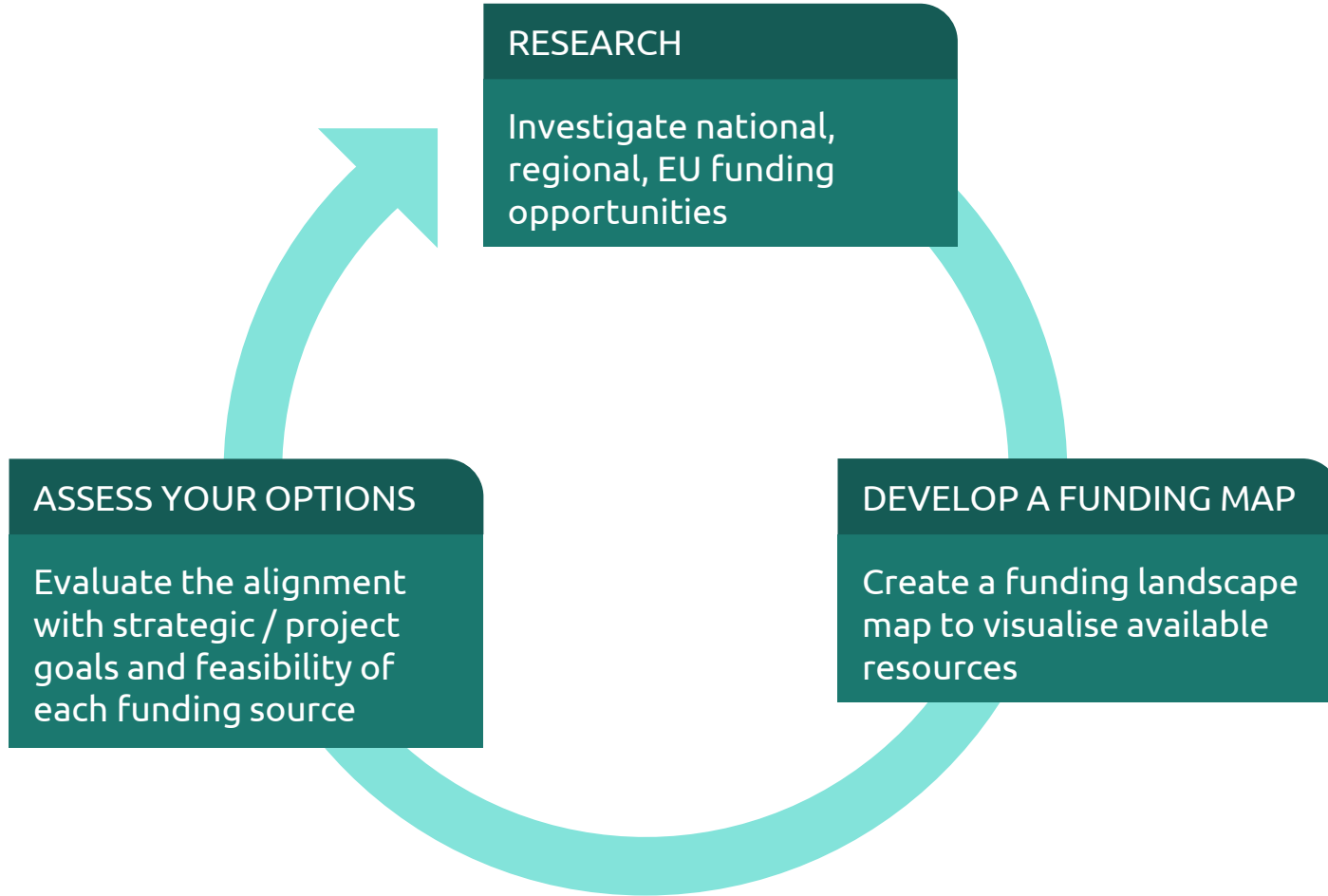


✓	×	Human resources - internal &/or external
✓	×	Financial resources
✓	×	Technical & technological resources
✓	×	Physical resources

... and your needs

- Do you know how much you will need?
- Capital, revenue, income generating project?

2. Conducting a funding scan



Some tools that you can use:

- Strategic thematic and funding map
- Option appraisal table
- Funding Calendar(s)

3. Building your portfolio

- **Diversification and/or incremental approach**

- Mixed funding - Combining public, private, and philanthropic funding sources
- Balance short- to longer-term funding / investments
- Leverage your partnerships / bring in your ecosystem

- **Risks analysis and management**

- Assess the risks associated with each funding source, and
- Weight: risk and return calculation
- Can they be mitigated? How could you mitigate them?

- **Portfolio management and monitoring**

- Regularly review and adjust the portfolio
- Ensure alignment with strategic timelines and goals
- Continuously capture learnings (internally and from others)
- Share successes / build the momentum

4. Funding and financing landscape - a quick overview

Types of funding

- EU grants
- National / Regional grants
- Innovative Financing Instruments
 - Citizens Finance (crowdfunding and cooperatives)
 - Green / Social Investment Bonds
 - Guarantee Funds
 - Soft Loans
 - Revolving Funds
 - Third Party Financing (EU cascade funding or other local schemes)

Other alternative resourcing options

- PPP
- Procurement

Key Players

- European Commission and Agencies
- National and Regional Government Bodies and Agencies
- Private Sector - Businesses and investors
- Philanthropy Organisations / Foundations
- Financial Institutions

EU Funds as a catalyst and convener

★ A catalyst for change - EU funds as enablers of innovative solutions and good practices in sustainable urban development

→ London electric vehicle implement pilot and demonstration projects

A catalyst to attract further investments.

→ Sharing Cities

- ★ As a convener for greater participation and integration
- To build/ strengthen your local ecosystem: Collaboration and Networking (URBACT, EUI, etc.)
 - Unique opportunities to partner with other cities and regions to share knowledge and resources.
 - Engage in EU-wide networks and consortia



LEVERAGING EUROPEAN FUNDING - OVERVIEW OF OPPORTUNITIES

1

Overview of the Cohesion Policy instruments

2

European Urban Initiative

3

FinEst Centre

4

Horizon Europe

5

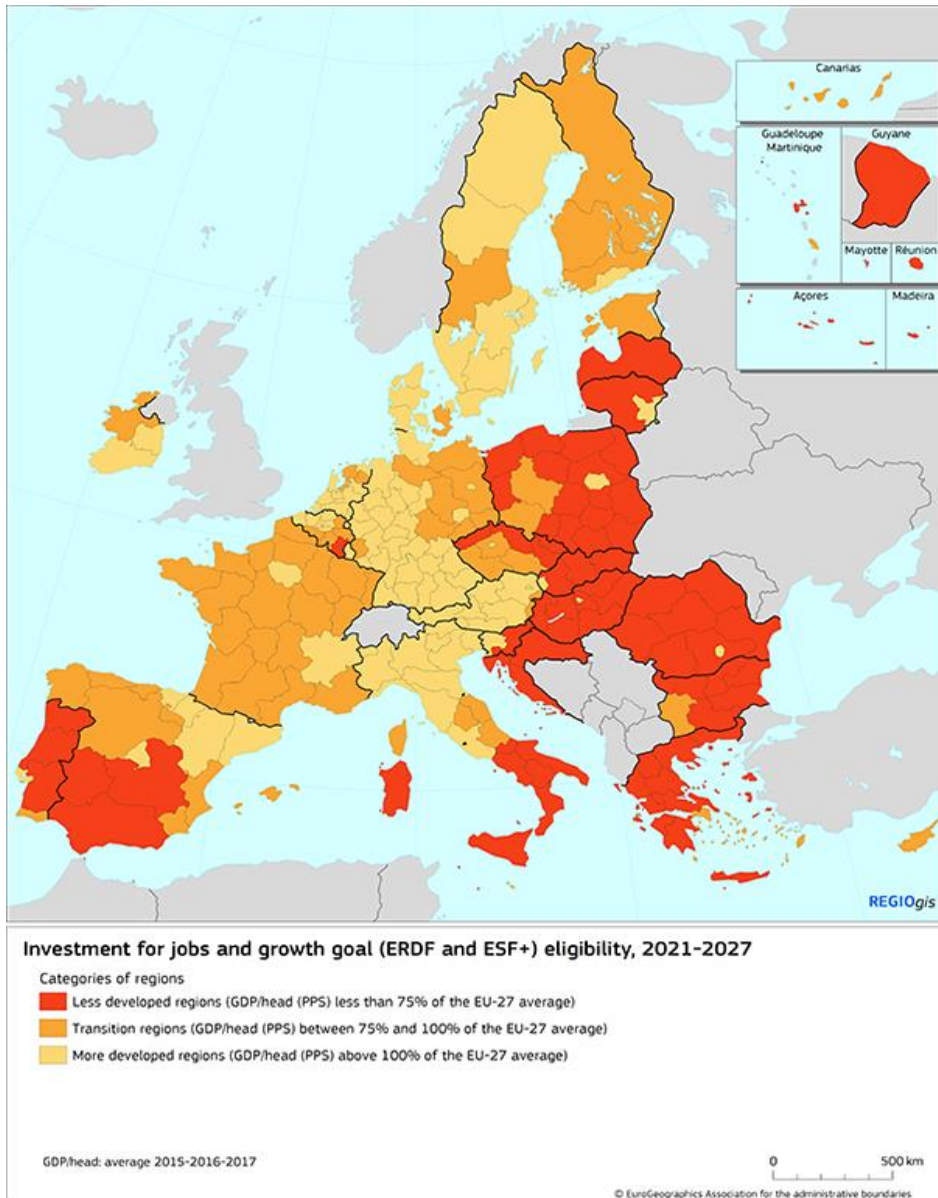
NetZeroCities



Cohesion policy and integrated territorial development

*EU Commission
Directorate-General for Regional and Urban Policy*

Cohesion policy targets all EU regions and cities



Cohesion policy contributes to strengthening **economic, social and territorial cohesion** in the European Union.

It aims to correct imbalances between countries and regions, and delivers on the Union's political priorities

- **green and digital transition**

Cohesion policy 2021-2027 EUR 392 billion:

- 1) Investment for jobs and growth goal
- 2) Interreg - European Territorial Cooperation goal

Cohesion policy - EU's main investment policy and is delivered through specific funds

- The [European Regional Development Fund \(ERDF\)](#), to invest in the social and economic development of all EU regions and cities.
- The [Cohesion Fund \(CF\)](#), to invest in environment and transport in the less prosperous EU countries.
- The [European Social Fund Plus \(ESF+\)](#), to support jobs and create a fair and socially inclusive society in EU countries.
- The [Just Transition Fund \(JTF\)](#) to support the regions most affected by the transition towards climate neutrality.

Basis in the Treaty on the Functioning of the European Union (TFEU)

- Article 174 of the TFEU refers to the Union developing and promoting actions leading to the strengthening of its economic, social and territorial cohesion in order to promote overall harmonious development,
- in particular aiming at reducing disparities between levels of development of the various regions and the backwardness of the least favoured regions.
- The European Regional Development Fund (ERDF) is intended to help to redress the main regional imbalances in the Union (Article 176).

EU cohesion policy 2021-2027 framework - basis for investments at national, regional and local level



1. **A smarter Europe:** promoting innovative and smart economic transformation and regional ICT connectivity



2. **A greener, low-carbon transitioning towards a net zero carbon economy and resilient Europe**

(vii) enhancing protection and preservation of nature, biodiversity, and green infrastructure, including in urban areas, and reducing all forms of pollution



(viii) promoting sustainable multimodal urban mobility, as part of transition to a net zero carbon economy




3. **A more connected Europe**

(ii) developing and enhancing sustainable, climate resilient, intelligent and intermodal national, regional and local mobility, including improved access to TEN-T and cross-border mobility



4. **A more social and inclusive Europe**

5. **A Europe closer to citizens** - fostering the integrated and inclusive social, economic and environmental development, culture, natural heritage, sustainable tourism  **and security** |
in urban and other areas

Urban dimension in the legal framework for 2021-2027

Common Provisions Regulation

- Policy objectives
- Requirements for integrated territorial development and tools to use:
 - ITI
 - CLLD
 - Other tools (recognises nationally developed tools for territorial strategies)

Links with:

- *Leipzig Charter/Urban Agenda*
- *Territorial Agenda*
- *Other EU Funds and instruments*

ERDF/CF Regulation

- Specific objectives with urban/territorial dimension (Policy Objective 5 'Europe closer to citizens')
- Sustainable urban development (min. 8% ERDF) accompanied by European Urban Initiative.

ESF+ Regulation

- contributes to territorial and local development strategies (taking into account the specificities of urban, rural and coastal regions in view of tackling the socioeconomic inequalities in cities and regions)

Interreg regulation

- Interregional cooperation
 - Incl. URBACT and ESPON programmes

Sustainable Urban Development

Integrated territorial development targeting urban areas, **to more effectively tackle the economic, environmental, climate, demographic and social challenges affecting urban areas, including functional urban areas**

- All investments under PO5 specific objective 1 (for strategies targeting urban areas)
- All investments under PO1-4 when territorial tools target urban areas

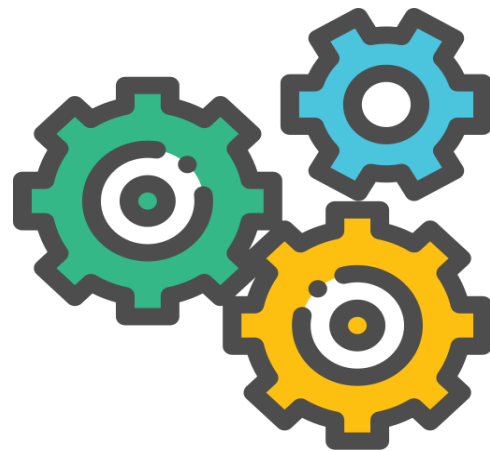
Urban earmarking 2021-27 of min. 8 % of ERDF at national level has been exceeded for reaching 11,8 % which corresponds to more than EUR 24 billion for investments based on integrated strategies developed and implemented by cities (mainly tackling climate change adaptation, urban regeneration, sustainable urban mobility).

‘Europe closer to citizens’ approach to territorial and local development

Entails a **specific method** of integrated territorial development requiring territorial or local development strategies that are place-based, integrated, and involve relevant partners in preparation and implementation of the strategy.

For urban areas:
Minimum 8% of
ERDF at national
level

European Urban Initiative
(EUI)



New: Policy Objective 5 - a “cross-cutting **territorial policy objective**” for integrated and sustainable development of urban and non-urban territories

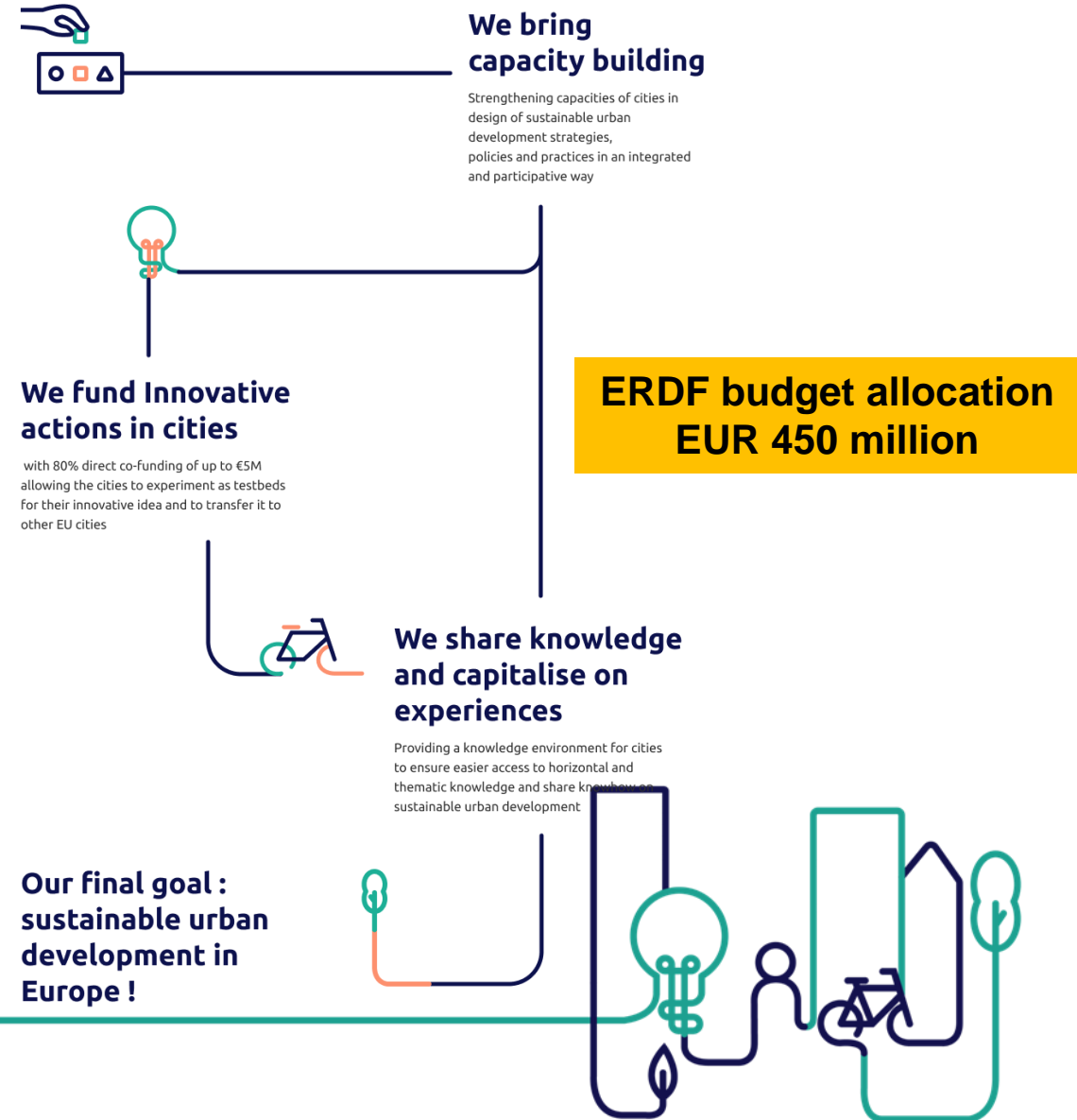
Urban-rural linkages,
functional areas

Territorial tools to use:
ITI, CLLD or other territorial
tool (national)

- [*Handbook of Sustainable Urban Development Strategies*](#)
- [*Handbook of Territorial and Local Development Strategies*](#)

The European Urban Initiative (EUI)

- Coherent support to EU cities
- Building on legacy of previous period:
 - Urban Innovative Actions
 - Urban Development Network
 - Urban Agenda for the EU, etc.
- Support to cities of all sizes
- Support to Urban Agenda for the EU and intergovernmental cooperation



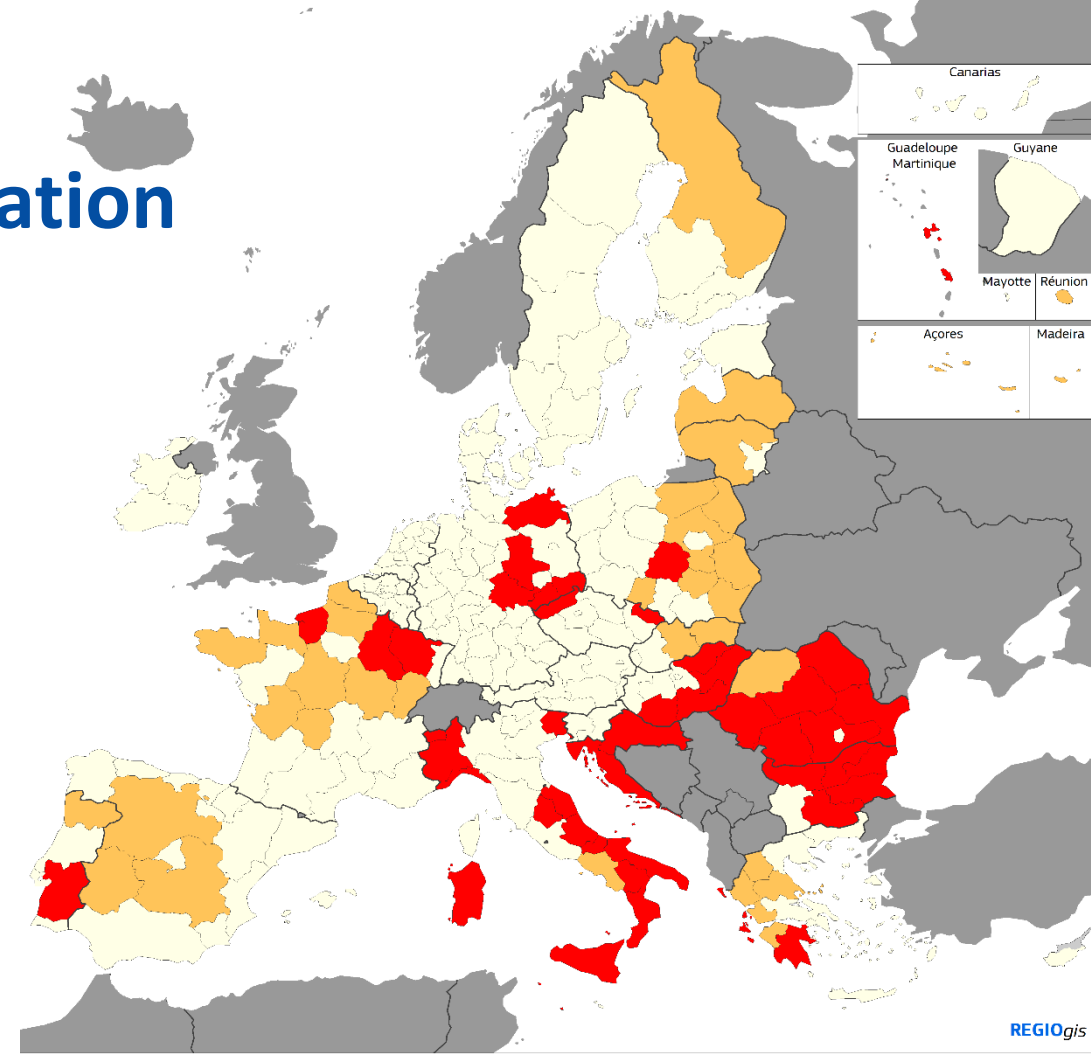
EC Communication on Harnessing talent in Europe's regions

- The Communication identifies 2 groups of regions:
 - **46 regions that are in a talent development trap**, facing an accelerating decline of their working age population, and low and stagnant share of persons with a tertiary education between 2015 and 2020 (**16% of EU population**).
 - **36 regions that are at risk of falling into a talent development trap in the future**, because they are significantly affected by net out-migration of their population aged 15-39 (**13% of EU population**).
- Most of the regions in talent development trap are **less developed** (GDP per capita of 64% of the EU average) and **more rural** than the rest of the EU (31% of its population living in rural areas, compared to 21% on average in the EU).

Regions identified in the Communication

In 16 countries (Bulgaria, Croatia, Czechia, Finland, France, Germany, Greece, Hungary, Italy, Latvia, Lithuania, Poland, Portugal, Romania, Slovakia, Spain)

- **46 regions** affected by sharp workforce decline and low/stagnating share of tertiary educated in a talent development trap (*red*).
- **36 regions** with net out-migration of their younger cohort at risk of falling into a talent development trap (*yellow*).



Regions in a talent development trap
and regions at risk of falling in a talent development trap

Category

- Shrinking working-age population and lagging level of tertiary education
- Net out-migration of people aged 15-39
- Other regions

Talent Booster Mechanism



- Website - [Harnessing Talent Platform](#)
- A new pilot project in 2023 to help regions to develop and implement strategies to train, attract and retain talents. Support provided to pilot regions selected on the basis of an open call.
- A new initiative 'Smart adaptation of regions to demographic transition' to support regions tackling demographic transition locally. Benefiting regions were selected on the basis of an open call.
- Support from [Technical Support Instrument \(TSI\)](#) upon demand, to design and implement reforms, to address the shrinking working-age population and the lack of skills.
- Cohesion policy programmes and the [Interregional Innovation Investments](#) provide assistance to stimulate innovation and opportunities for high skills jobs.
- [A call has been organized for innovative actions under the 'European Urban Initiative'](#) to test place-based solutions led by shrinking cities that address the challenges of developing, retaining and attracting skilled workers.

Thank you

Links:

Regional Policy: https://ec.europa.eu/regional_policy/policy_en

Regional policy in your country: https://ec.europa.eu/regional_policy/in-your-country_en

European Urban Initiative (EUI): <https://www.urban-initiative.eu/>

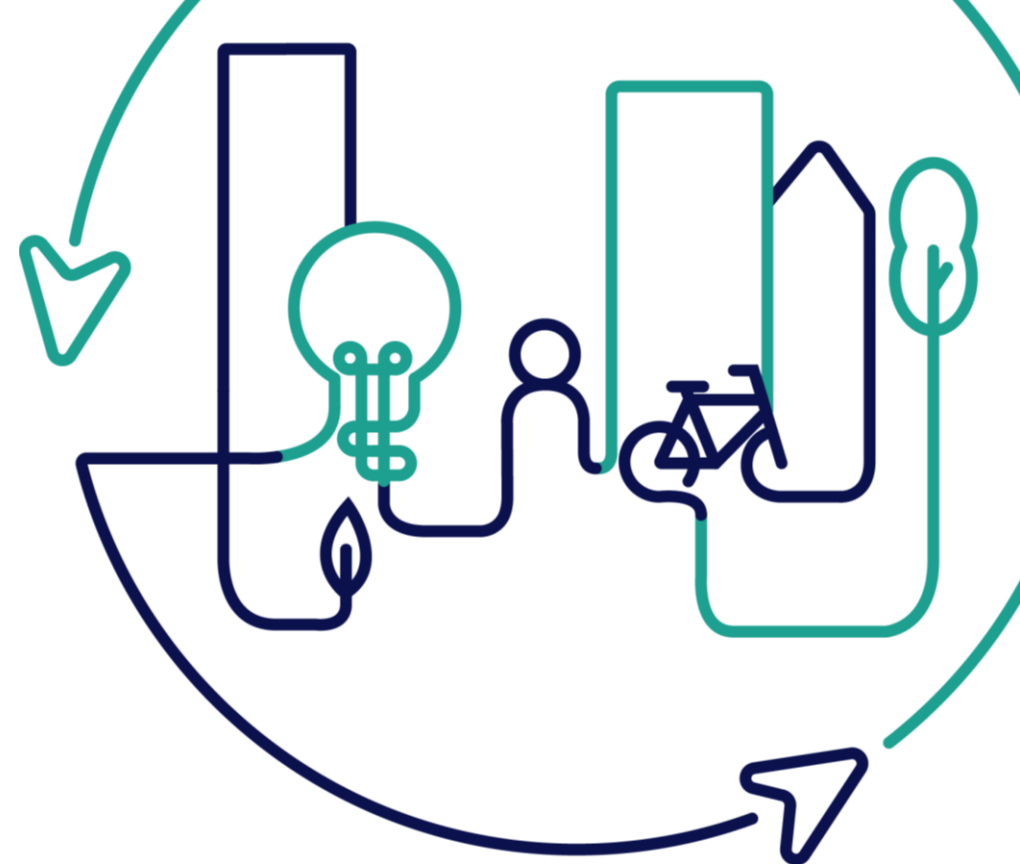
JRC Strat-Board (integrated territorial strategies repository): <https://urban.jrc.ec.europa.eu/strat-board/?lng=en>

Just Transition Fund: https://ec.europa.eu/regional_policy/funding/just-transition-fund_en

Harnessing Talent in Europe's Regions: https://ec.europa.eu/commission/presscorner/detail/en/IP_23_145

EUROPEAN U R B A N INITIATIVE

Zoé Fournand
European Urban Initiative Permanent Secretariat
zoe@urban-initiative.eu



Co-funded by
the European Union

**European
Urban
Initiative
in short**

FUNDING FOR INNOVATIVE
PILOT PROJECTS



SUPPORT & STRENGTHEN CITIES'
CAPACITIES



URBAN KNOWLEDGE AT ONE
REFERENCE POINT:
[PORTICO](#)



Innovative Actions in short

- For cities and urban authorities looking to **test innovative, transferable and scalable solutions**
- What type of support ?
 - Funding : up to 5 millions € ERDF
 - Capturing, sharing and transferring the knowledge
- **Funded projects** are:
 - Innovative
 - Participative
 - Measurable
 - Transferable and scalable
 - Of good quality

Innovative Actions Get involved!

Call 2 – closed:
Join as **transfer** partners (summer 2024)

Call 3 – open from May to October
Get **support!**

EUI THIRD CALL FOR
INNOVATIVE ACTIONS

2 topics

Energy transition

Technology in cities

Capacity Building in short

One
target

- EU cities of all sizes

Two
objectives

- Improve your capacities
- Improve policies

Three
activities



Capacity Building Get involved!

City-to-City Exchanges

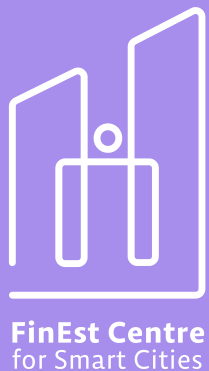
- Short **visits** between 2-3 cities.
- Depends entirely on **city needs**.
- **Simple** application form.
- **Quick & easy** to implement.
- **Matching, expertise & funding** available.
- **For support**, contact us at capacitybuilding@urban-initiative.eu or your Urban Contact Point.



Ongoing open call: Apply whenever you want!

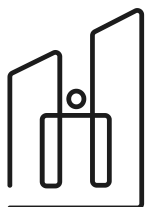
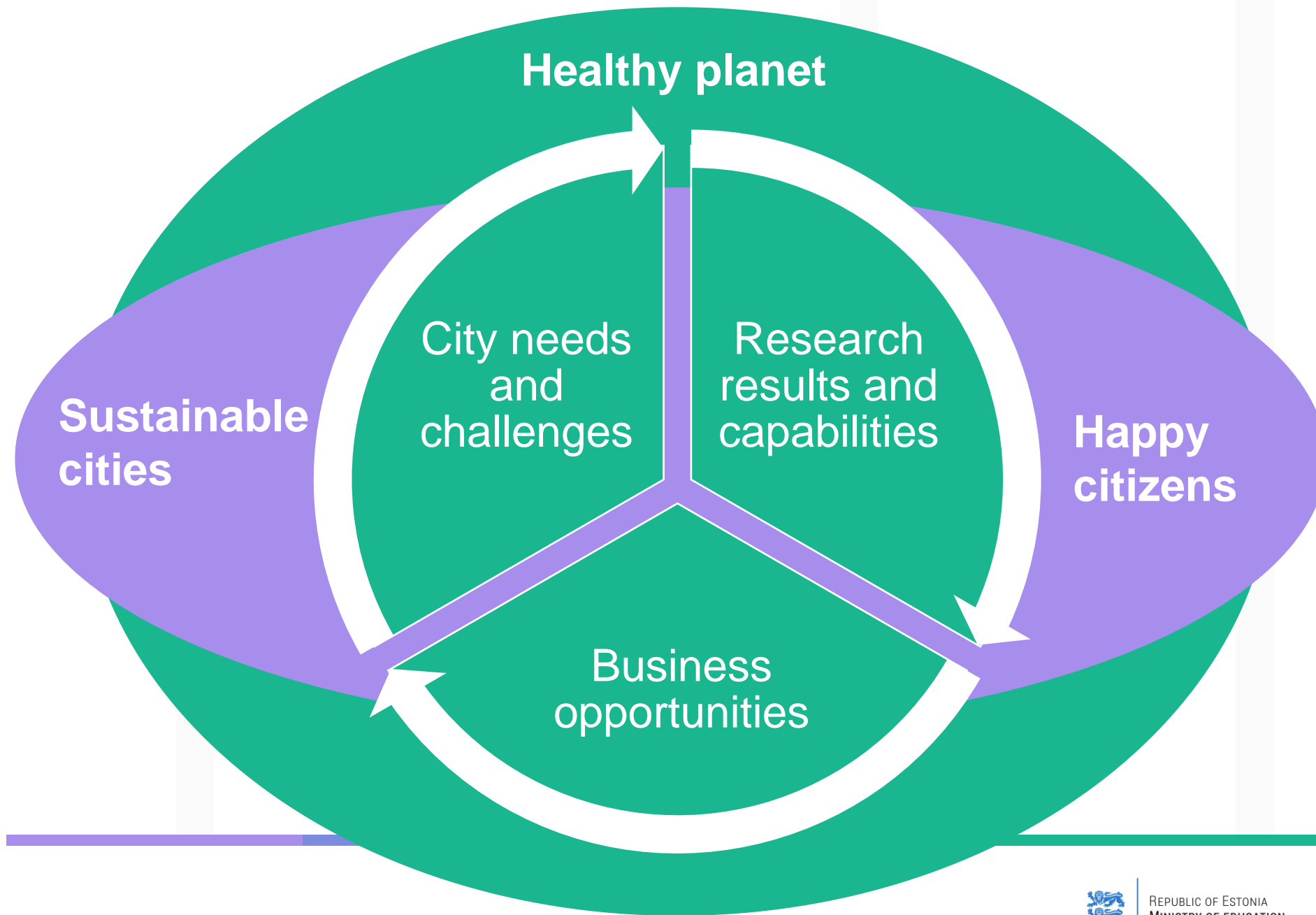


**We are here to
support you!**



SMART CITY PILOTING PROGRAMME

2020 – 2028, Round 4: May 2024 – May 2025



REPUBLIC OF ESTONIA
MINISTRY OF EDUCATION
AND RESEARCH

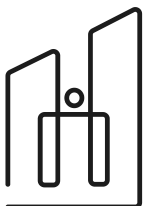


Co-funded by
the European Union



Investing
in your future

Smart City Challenge Round 4



Pilot project setup

Phase 1

Development of the solution

incl. the methodology, technology, and needed research

Mid-sized pilots – 6 months

Large pilots – 12 months

Phase 2

Pilot in cities and pilot analysis

Mid-sized pilots – 12 months

Large pilots – 12 months

Phase 3

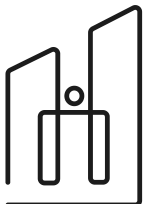
Further development of the solution

to prepare it for scaling and commercialization, preparing follow-up projects

Mid-sized pilots – 6 months

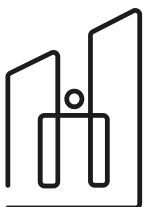
Large pilots – 12 months

Go / No-go



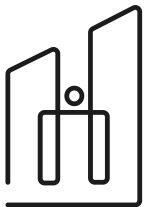
Pilot projects size

- ❖ Large pilot project - 3 years:
 - ❖ budget of 1.21M€
- ❖ Mid-sized pilot project – 2 years:
 - ❖ budget of 835k€



Cities

- ❖ Tailor made smart solutions nearly for free
- ❖ No need for tendering
- ❖ Bureaucracy and costs (piloting and travel) handled by us
- ❖ Collaborate with Estonia – one of the most digitally efficient countries in the world

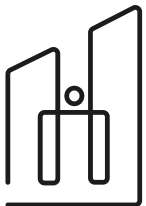


How to join?

NEXT STEPS FOR CITIES

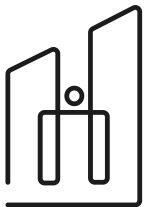
- Vote for 1-5 urban challenges you'd like to pilot by **June 18** [at FinEst Centre homepage](https://finestcentre.eu)
- Get to know the initial solution ideas proposed by researchers and companies from **Sept 18**

<https://finestcentre.eu/innovation-with-cities/smart-city-challenge-2024/>



Researchers

- ❖ Pilot your research results in real cities
- ❖ Develop an innovative solution with wide international potential
- ❖ Win from synergies from working in an interdisciplinary team
- ❖ Get data for your long-term research needs
- ❖ Pilot development and piloting costs covered 100% - foreign researchers hired by TalTech

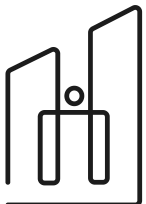


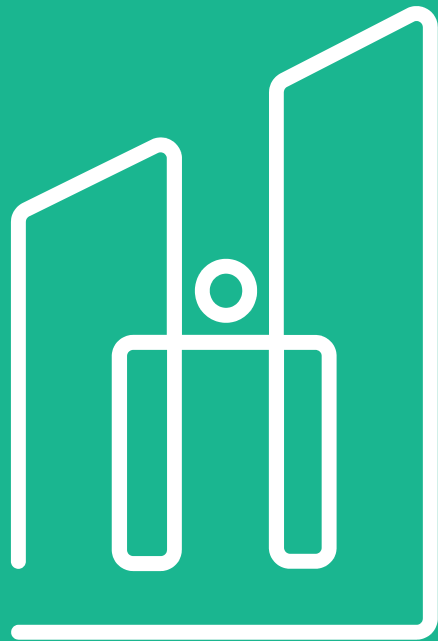
How to join?

NEXT STEPS FOR RESEARCHERS

- Get to know the proposed urban challenges [at the FinEst Centre homepage](#)
- Check the selected urban challenges at the FinEst Centre homepage from **June 20**
- Propose your ideas by **Sept 16**. Use the template at our homepage, max 3 pages.

<https://finestcentre.eu/innovation-with-cities/smart-city-challenge-2024/>





FinEst Centre
for Smart Cities

THANK YOU!

Külle Tärnov

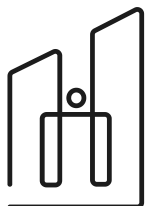
kulle.tarnov@taltech.ee



**FORUM
VIRIUM
HELSINKI**



**TAL
TECH**



The setup of the FinEst Centre for Smart Cities is funded by the European Union's Horizon 2020 Research and Innovation Programme, under the grant agreement No. 856602, by the European Regional Development Fund and the Estonian Ministry of Education and Research.



Horizon Europe for cities

Markku Pekonen

Horizon Europe NCP

[markku.pekonen @ businessfinland.fi](mailto:markku.pekonen@businessfinland.fi)

HORISNTTI EUROOPPA

— EU:N TUTKIMUS- JA INNOVAATIO-OHJELMA —

Horizon Europe

The largest RDI programme in the world

- ✓ Horizon Europe 2021-2027: 95 billion €
- ✓ The programme facilitates collaboration and strengthens the impact of research and innovation in developing, supporting and implementing EU policies while tackling global challenges. It supports creating and better dispersing of excellent knowledge and technologies.



Horizon Europe 2021 - 2027



Pillar 1 Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 Global Challenges and European Industrial Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre



Pillar 3 Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

International collaboration projects

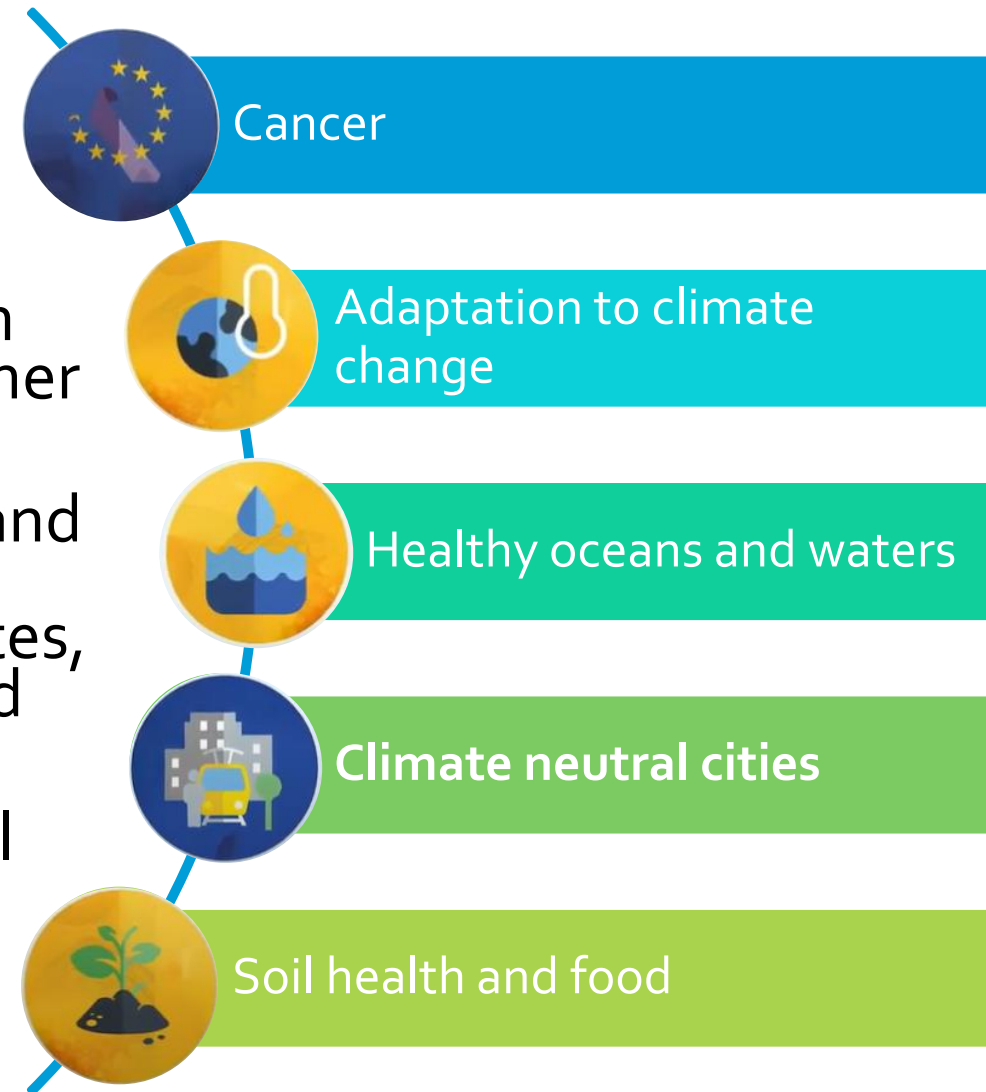
Funded themes:

- ✓ Health
- ✓ Culture, creativity and inclusive society
- ✓ Civil security for society
- ✓ Digital, industry and space
- ✓ Climate, energy and mobility
- ✓ Food, bioeconomy, natural resources, agriculture and environment

- ✓ All kinds of legal entities from all over the world
- ✓ Mainly for collaborative international RDI projects (single companies: EIC Accelerator)
- ✓ Calls launched mainly 1-2 times a year
- ✓ Grants also for higher TRL levels closer to market
- ✓ Grants mainly 70-100 %
- ✓ Evaluation in Brussels
- ✓ No minimum or maximum limit to funding, average 2-10M€ per consortium

Missions

- EU Missions are a coordinated effort by the Commission to pool the necessary resources in terms of policies and regulations, as well as other activities to solve challenges.
- They also aim to mobilize and activate public and private actors, such as EU Member States, regional and local authorities, research institutes, farmers and land managers, entrepreneurs and investors to create real and lasting impact.
- Missions engage with citizens to boost societal uptake of new solutions and approaches.
- Currently five missions



Action types – what is funded and how much



Official Horizon Europe public support services: EUTI, NCPs and Programme Committee members

- *Official mandate gives access to confidential information and data at the national and EU level*
- *Public support services are available free of charge to all interested in the EU Horizon Europe programme*
- EUTI - EU Research and innovation programmes office
 - Expert on implementation, functions and procedures of the EU Horizon programmes
 - Coordination of the NCP network in Finland
 - www.horisonttieurooppa.fi
- National Contact Points (NCP)
 - Expert on the content and themes of the Work Programmes and calls
 - Monitoring of the Finnish HE participation within their respective HE theme/subprogramme
- Programme Committee delegates and experts (PC)
 - Represent Finland (positions, views) in different HE Programme Committees
 - Key experts in Finland participating in the preparation of HE Work Programmes
 - Ministry of Economic Affairs and Employment (TEM) responsible for the coordination

EUTI and NCPs in Finland



EUTI, national liaison office for EU FPs in Finland (hosted by BF)

Advice, practical guidance, training on all aspects of participation in the HE

Homepage (in Finnish):
www.horisonttieurooppa.fi

Monitoring Finnish participation in Horizon programmes (statistics)

Coordination of the NCP network in Finland

EUTI = EU Research and Innovation Programmes

27 experts as NCPs in Business Finland & Academy of Finland



NCP core functions:

Information and awareness raising on specific HE themes (trainings, events, communication)

Assisting and advising (on calls, proposals, funding schemes)

Advising on proposal preparation and giving comments on proposals

Signposting to national or EU funding opportunities and to other support services

NCP = National Contact Point

BUSINESS FINLAND – DECARBONIZED CITIES PROGRAMME 2023 – 2028

**FINNISH SOLUTIONS DECARBONIZE CITIES WORLDWIDE
BY BOOSTING COMPREHENSIVE ENERGY TRANSITION**

City
collaboration:
Speed up
reaching cities'
carbon
neutrality
targets

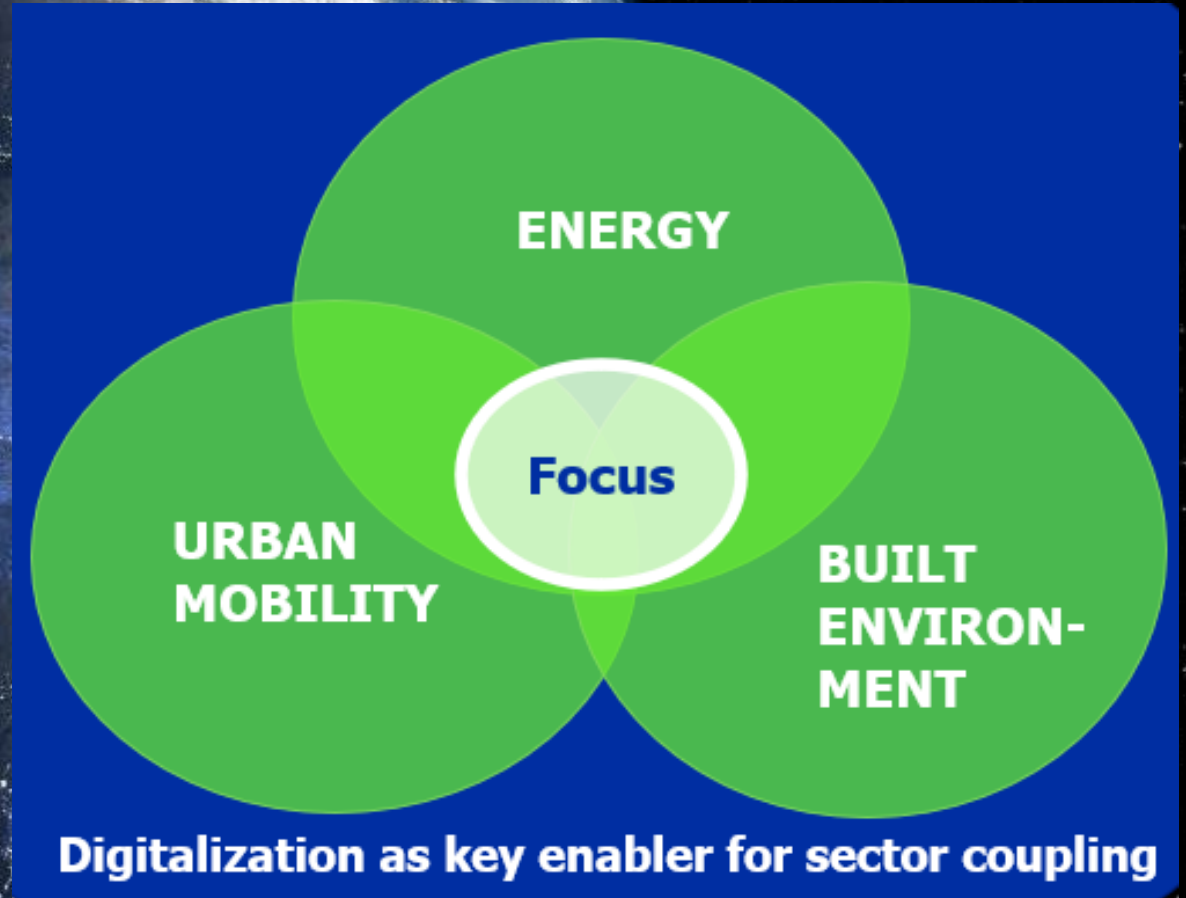
Development
of new
competences
and inter-
nationally
competitive
city solutions

Innovation
leading to
city related
investments
and business

Recognition and
visibility of Finnish
solutions amongst
major
international
stakeholders

CUSTOMERS:

**Finnish companies, R&D organizations and cities
heading to carbon neutrality.**



BUSINESS FINLAND

- Order the newsletter: <https://www.businessfinland.fi/en/newsletter/program-newsletter>
- Decarbonized Cities program: <https://www.businessfinland.fi/suomalaisille-asiakkaille/palvelut/ohjelmat/decarbonized-cities-finland>

HEAD OF DECARBONIZED CITIES PROGRAM

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PROGRAM COORDINATOR

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Thank you!

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www.horisonttieurooppa.fi



[@Eutifi](https://twitter.com/Eutifi)



[HorisonttiEU](https://www.linkedin.com/company/horisonttieurooppa)

HORIZON EUROPE

— EU RESEARCH AND INNOVATION PROGRAMME —

NET ZERO CITIES



EU MISSION PLATFORM

CLIMATE NEUTRAL AND SMART CITIES



Funded by
the European Union



Anna Huttunen

Climate Neutral Cities Advisor

NetZeroCities



Funded by
the European Union



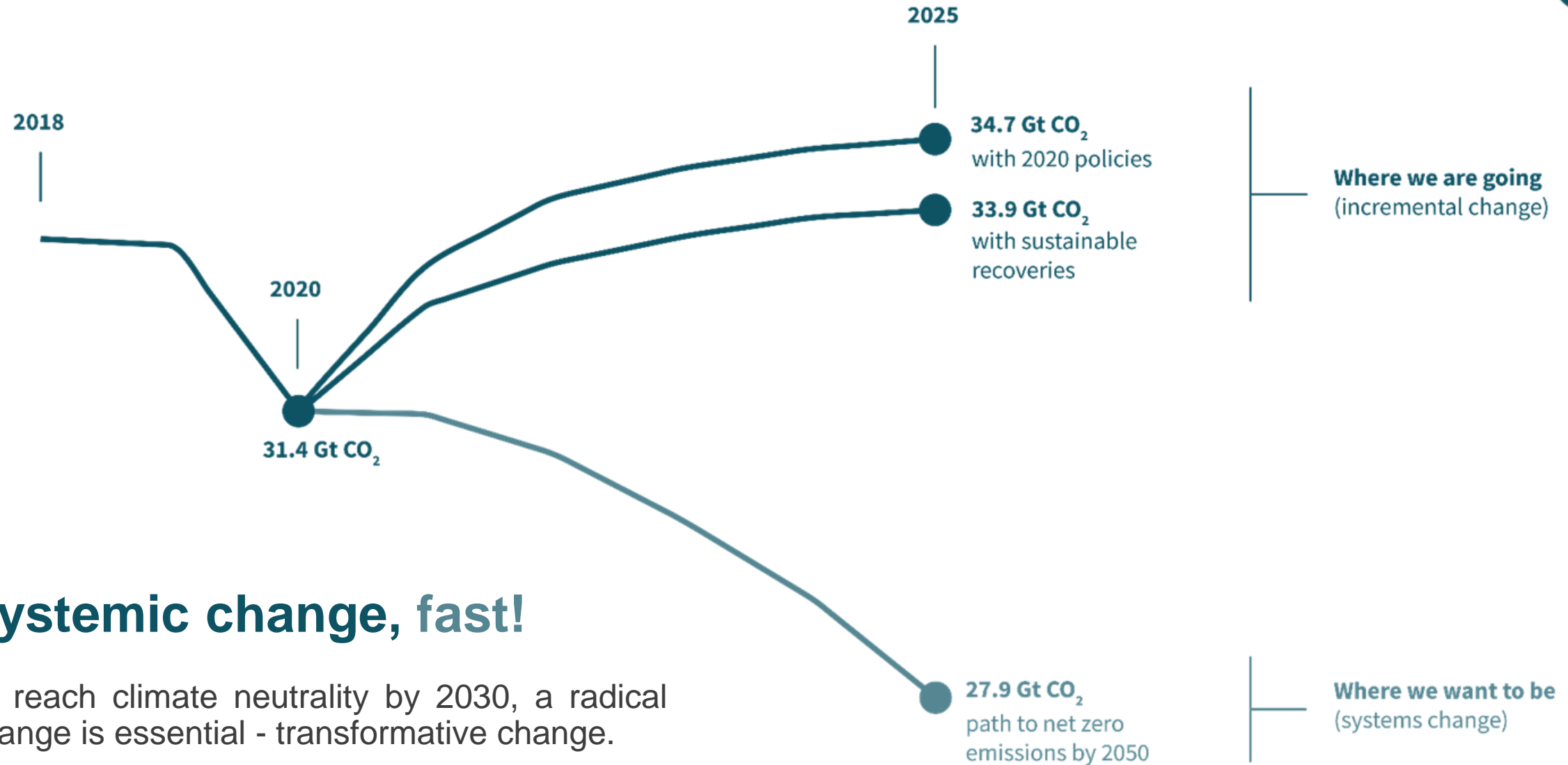
We are on a Mission!

EUI Capacity Building Event

30.5.2024 Tampere



Funded by
the European Union



Systemic change, fast!

To reach climate neutrality by 2030, a radical change is essential - transformative change.





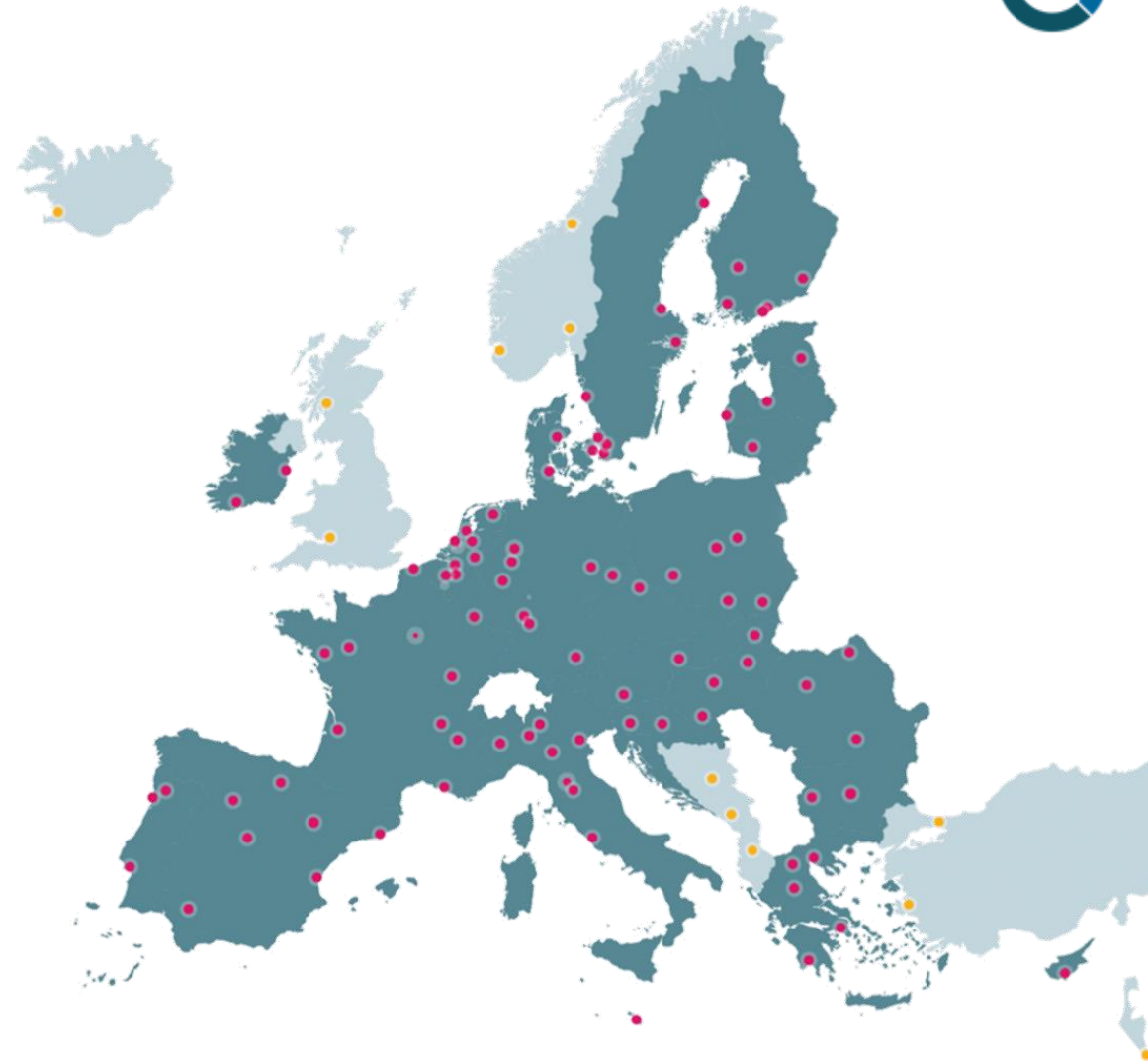
Supporting the EU Mission for “Climate Neutral and Smart Cities by 2030”

The EU has launched a Mission [“100 Climate-Neutral and Smart Cities by 2030”](#).

The objectives of the Mission are

- to achieve **112 climate-neutral and smart European cities by 2030.**
- to ensure that these cities act as experimentation and innovation hubs to **enable all European cities to follow suit by 2050.**

NetZeroCities, coordinated by Climate-KIC, currently manages the Platform to support the Mission.



100 EU cities & **12** cities from
Horizon Europe Associated Countries



Funded by
the European Union

Supporting Cities towards Climate Neutrality



Funded by
the European Union



Join The NetZeroCities Portal



NetZeroCities.app



Funded by
the European Union



EU CITIES MISSION Twinning Learning Programme



Apply to the Call for Twin Cities!

8 April - 7 June 2024

Join a **learning journey**
for knowledge transfer
& good practices!



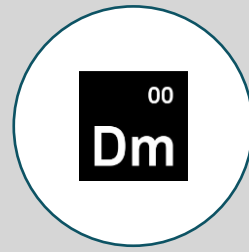
EU Missions: © European Union, 2024. All rights reserved



Funded by
the European Union



Funded by
the European Union



Funded by
the European Union

Interreg Europe: What we offer

Interreg
Europe



Co-funded by
the European Union

**Driving
change
for better
cities**

URBACT IV Programme

Current opportunities

URBACT



Co-funded by
the European Union
Interreg

URBACT IV

2021-2027

European Territorial Cooperation programme

co-financed by the European Regional Development Fund, Instrument for Pre-Accession Assistance and Neighbourhood, Development and International Cooperation Instrument

Objective:

Promote sustainable urban development in Europe

Three strands of activities

Capacity building
activities & tools



Knowledge uptake
and sharing



Networks of European cities

*From 2014 to 2021,
83 networks involved 678 partners
across the EU*

URBACT



Co-funded by
the European Union
Interreg

Three types of URBACT networks



Cities and local stakeholders co-produce an Integrated Action Plan to tackle their common policy challenges.

1st Call – 2023 (closed)
2nd Call – Spring 2026



Cities share and adapt a successful Good Practice that has already been implemented in their Network's lead city.

Call – Spring 2025
following the 2024 Call for Good Practices



Cities adapt the experience of a successful Urban Innovative Actions' project and develop an investment plan to implement it.

Call – Spring 2024 (closed)

Call for Good Practices

15 April-30 June
2024



Looking for
A successful urban
good practice
implemented in a
European city that is



Impactful



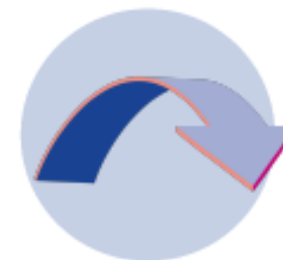
Participatory



Integrated



Relevant
for the EU



Transferable
to other cities

THANK [u] FOR YOUR ATTENTION

URBACT



Co-funded by
the European Union
Interreg

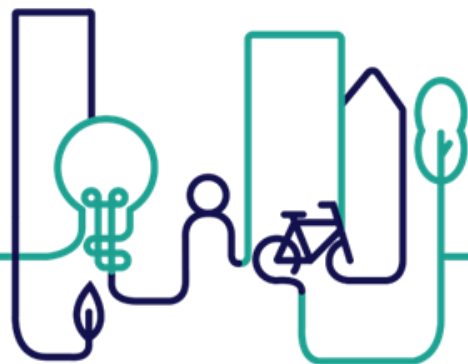
**MORE INFORMATION AT
[urbact.eu]**



URBAN PANORAMA



Thank you





**How does it
work?**

- 1 Stay at your table**
- 2 Quiet reflection**
- 3 Share**
- 4 Feedback**

The Canvas

City/name	Key learnings	Link to SUD strategy	Actions	Resources

<div> <div>The Canvas</div> <div>Example</div> </div>	City/name	Key learnings	Link to SUD strategy	Actions	Resources
	Bilbao: Oihana + Cristina	Test bed for micro chips (Study Visit)	Priority 2- grow cleantech sector	Look at economic data- reach out to SMEs- hold a workshop	Look at City to City with Oulu Apply to EUI call



**What's next
for you?**

Zoé Fournand, Capacity Building Officer
Riina Niemi, Innocities
Sally Kneeshaw, EUI expert



Opportunities to connect

- **European Urban Initiative:**
 - **City-to-City Exchanges**
 - Stay tuned for upcoming **Capacity Building Events**
- **Impact Innovation Summit**, 17-18th September in **Helsingborg**

... And many more opportunities in
Portico



A large white circular arrow graphic on a teal background, with the text 'Sli.do' in the center. The arrow starts at the top, goes clockwise, and ends at the bottom.

Sli.do



Event code: #EUITampere



Thank you for your participation!



Please fill in this evaluation survey!



**We are here to support you
in your journey toward
sustainability!**

For any questions, contact us at
capacitybuilding@urban-initiative.eu