

Plenary Session

UP2030 and the 5UP Approach

*How we tested a systemic
framework to implementing
integrated climate action with
our pilot cities*



UP2030



Ajuntament de
Barcelona



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Pilot City: Rotterdam

UP2030 and the 5UP Approach

How we tested a systemic framework to implementing integrated climate action with our pilot cities

Speakers



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UP2030

URBAN PLANNING AND
DESIGN READY FOR 2030

UP2030 and the 5UP Approach

How we tested a systemic framework
to implementing integrated climate
action with our pilot cities



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RESILIENT **CITIES**
NETWORK



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The 5UP Approach



This project has received funding from the Horizon Innovation Actions under the grant agreement n° 101096405.

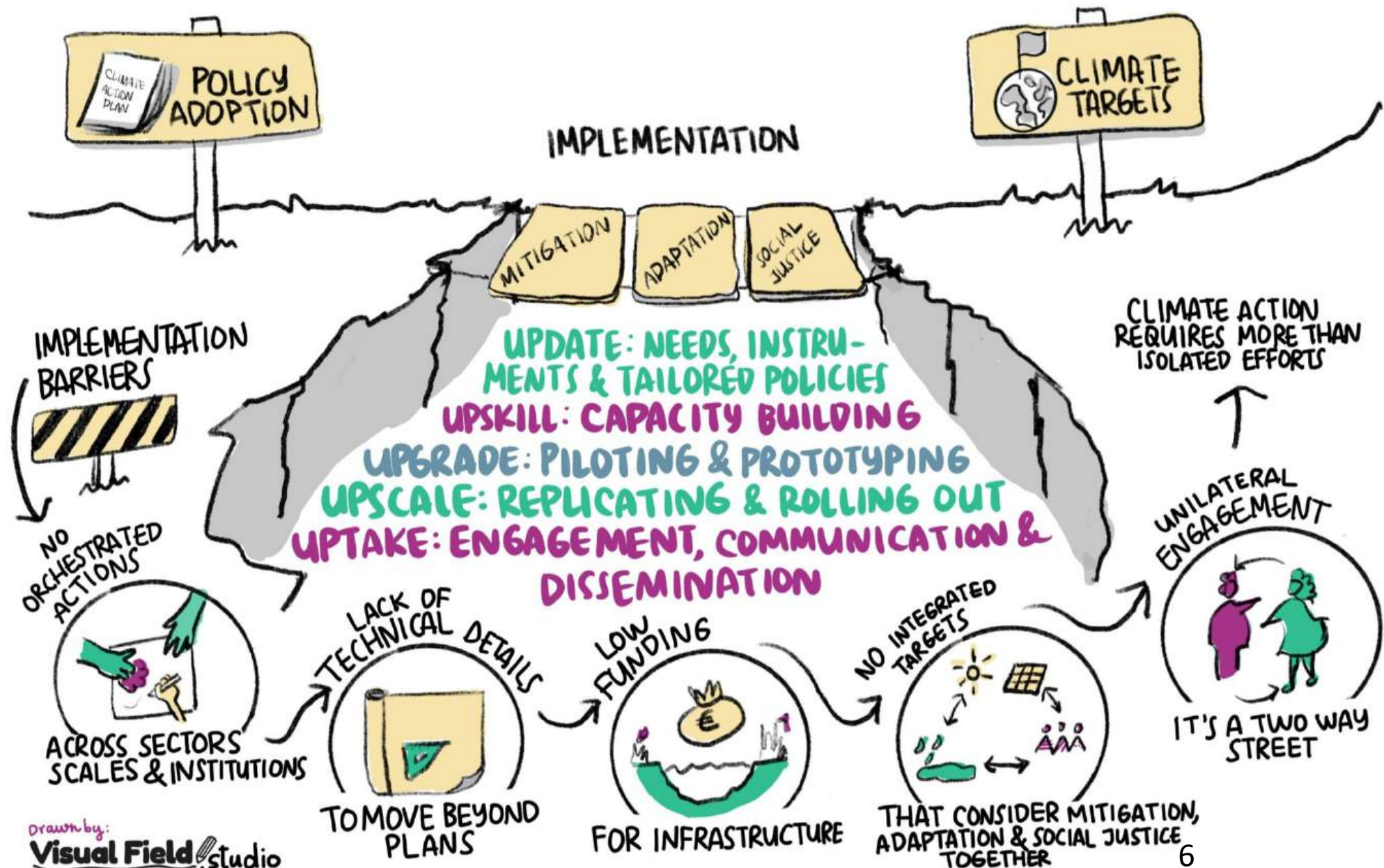
“Socio-technical transitions”
“Systems change”
“Transition thinking”

Deep structural changes are needed to address climate change in cities
Commitments to climate action at the local level – Climate Action Plans - Climate
City Contracts

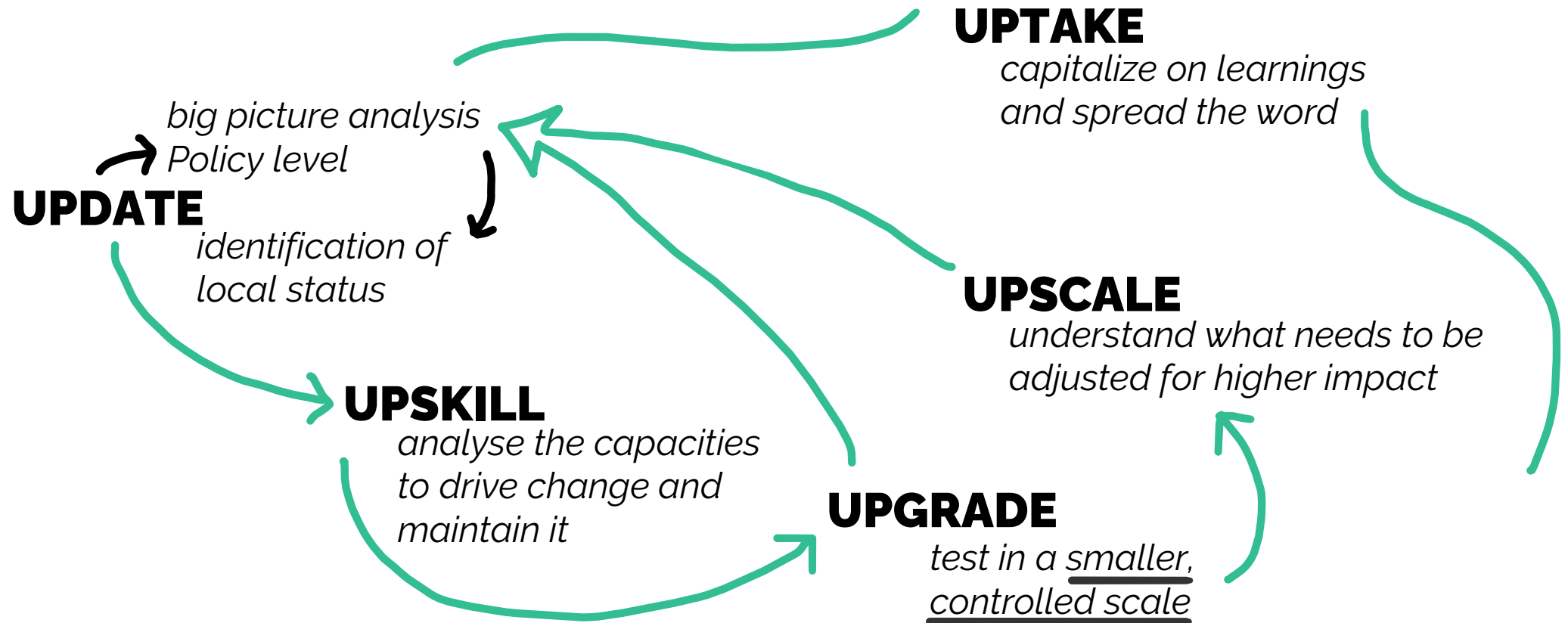
Ambitious cities visions and climate agendas...
yet falling short in translating these objectives into consistent implementation
pathways



THE 5UP Approach: Planning for meaningful and consistent climate action implementation



The 5UPs are a series of interlinked actions



How was this approach contextualised in our pilot cities?



Translating the ‘Ups’ into a methodology

Prerequisites

Starting points at
each step

Key Questions

Questions to
structure the process

Building Blocks

Essential elements
and steps to cover all
aspects

Outcomes/ Outputs

What you seek to
achieve/ reflect on/
iterate at the end of
this step

UPDATE

Needs Analysis &
Vision

UPSKILL

Capacity & skill
development

UPGRADE

Prototyping &
testing pathways

UPSCALE

Upscaling to other
streams

UPTAKE

Communication, Dissemination, Awareness raising, Events and community building



City challenges and ambitions in UP2030

Group 1: Cities working on knowledge, training and planning instruments



Belfast



Budapest



Münster



Rotterdam



Rio de Janeiro



Thessaloniki



Lisbon



Granollers



Istanbul



Milan



Zagreb

Group 2: Cities working on technical assessments and physical interventions

upDATING

Prerequisites

- ☐ A challenge
- ☐ Policy & Context Analysis

Building Blocks

- ☐ Stakeholder mapping
- ☐ Policy mapping analysis
- ☐ Needs, barriers and priorities assessment
- ☐ Deep reflection on the planning process
- ☐ Align planning process vs climate goals
- ☐ Identify of best practices

Outcomes/ Outputs

- ☐ Learning Action Alliances
- ☐ Policy gaps and opportunities
- ☐ Needs assessment
- ☐ Vision & Adaptive Pathways

upDATING

Prerequisites

Building Blocks

Outcomes/ Outputs

Thessaloniki

Adaptation of Climate Action Plan at neighbourhood scale missing

Analyse city level policy

Align with neighbourhood needs

Alliances at local level

Vision: District Climate Action Plan connecting city



Istanbul

Inform decision making using data

Making energy infrastructure tangible

Understanding building regulations

Understanding user behaviour

Align with regulatory frameworks

Vision: Developing a data informed decision making platform for decarbonisation

upSKILLING

Prerequisites

- ❑ Needs assessment
- ❑ Vision

Building Blocks

- ❑ **Diverse** project teams
- ❑ Experimentation with **new tools**
- ❑ **Evidence-based** planning & decision-making
- ❑ **Capacity & Skill** development
- ❑ **Knowledge exchange** internally & externally

Outcomes/ Outputs

- ❑ **Skill and technical tool needs** identified
- ❑ Engagement & Learning **resources** identified
- ❑ **Training & capacity** building programmes
- ❑ Data & evidence **Informed decision-making**

upSKILLING

Prerequisites

Building Blocks

Outcomes/ Outputs

Münster

Vision: Roadmap/
Guide for climate
friendly
neighbourhoods

Defining learning
needs and audience

Align with local climate
adaptation policies

Capacity building program

Milan

Vision: Enhancing
ecosystem services
in urban regeneration
areas

Selecting 2 tools for
informing decision making

Testing with a core
group of stakeholders

Building a replicable
methodology

UP2030

Manuale per la valutazione dei servizi ecosistemici nel Comune di Milano

del suolo, materiali di costruzione, densità edilizia e copertura vegetale (Figura 5). Questa classificazione rappresenta una base particolarmente adatta per valutare la capacità di rafforzamento del capitale naturale a scala urbana.



Figura 5: Parti di input - rappresentazione cartografica delle Zone Climatiche Locali (ZCL) (2022). Fonte: Città Metropolitana di Milano.

SUOLO URBANIZZATO									
LCZ1	LCZ2	LCZ3	LCZ4	LCZ5	LCZ6	LCZ7	LCZ8	LCZ9	LCZ10
Compact high-rise	Compact mid-rise	Compact low-rise	Open high-rise	Open mid-rise	Open low-rise	Lightweight	Large low-rise	Large low-rise	Industrial

SUOLO NATURALE						
LCZ11	LCZ12	LCZ13	LCZ14	LCZ15	LCZ16	LCZ17
Barren	Scrubland	Shrubland	Low plants	Grassland	Forest	Water

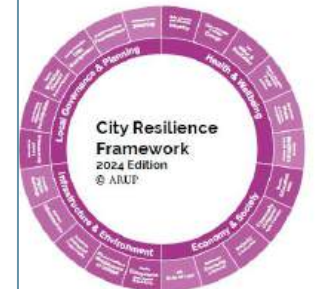
Figura 7: Parti di input - Riferimento delle Zone Climatiche Locali (ZCL) (2022).

Tuttavia, l'uso del suolo - anche se classificato secondo le LCZ - non fornisce informazioni puntuali sulla reale presenza della vegetazione. Ad esempio, la classe Compact Mid-Rise può includere percentuali variabili di verde, ma non consente di quantificare con precisione la superficie vegetata all'interno di ogni area.

Pag. 15 di 73

STADT MÜNSTER

UP2030



Metropolitan Council of Milan - Directorate for Urban Development - Urban Development Department - Urban Development Section

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UP2030

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upSKILLING

Prerequisites

Rio de Janeiro

Vision: Co-creation and capacity building for shaping just climate-resilient urban futures in Rio.

Building Blocks

Knowledge exchange and capacity building

Collaboration between UCCRN, TU Delft and Rio Municipality

Series of workshops, trainings and expert sessions

Outcomes/ Outputs



upGRADING

Prerequisites

- ☐ Vision
- ☐ Learning Action
Alliances

Building Blocks

- ☐ Collaboration and alliances
to test and develop ideas
- ☐ Pilot projects &
demonstration of concepts
- ☐ Prototyping of solutions
- ☐ Technical collaboration
- ☐ Development of guides and
resources
- ☐ Monitoring transformation &
impact

Outcomes/ Outputs

- ☐ Identification of the
pathway/ prototype
- ☐ Identification of
stakeholder expertise &
contributions
- ☐ Partnership agreements
- ☐ Data collection/validation

upGRADING

Prerequisites

Building Blocks

Outcomes/ Outputs

Rotterdam

Vision: Upscaling lessons on community resilience from the Resilient BoTu 2028 program

Identifying knowledge alliances

Developing a comprehensive lessons database

Capturing case studies

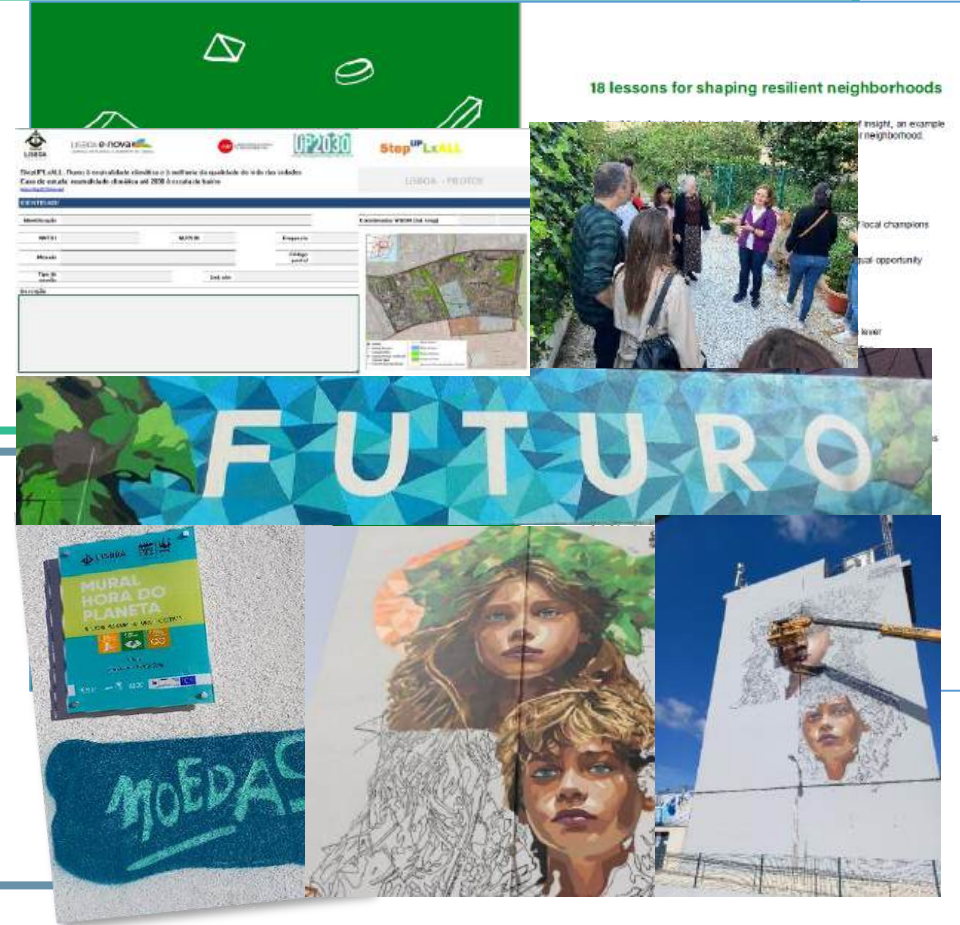
Lisbon

Vision: Building a concept for climate neutral neighbourhood

Testing solutions on 4 facility sites

Awareness and training programmes

Data assessment & monitoring on site



upSCALING

Prerequisites

- ❑ Identification of the pathway
- ❑ Identification of stakeholder environment
- ❑ Scenario assessment

Building Blocks

- ❑ Replication frameworks or guidelines
- ❑ Scaling up **across** municipal departments
- ❑ Financial sustainability and investment needs
- ❑ **Governance** alignment
- ❑ Mapping **future opportunities**

Outcomes/ Outputs

- ❑ **Governance and finance** enablers
- ❑ Opportunities for **knowledge transfer & dissemination**
- ❑ **Step-by-step plan** for upscaling findings and results

upSCALING

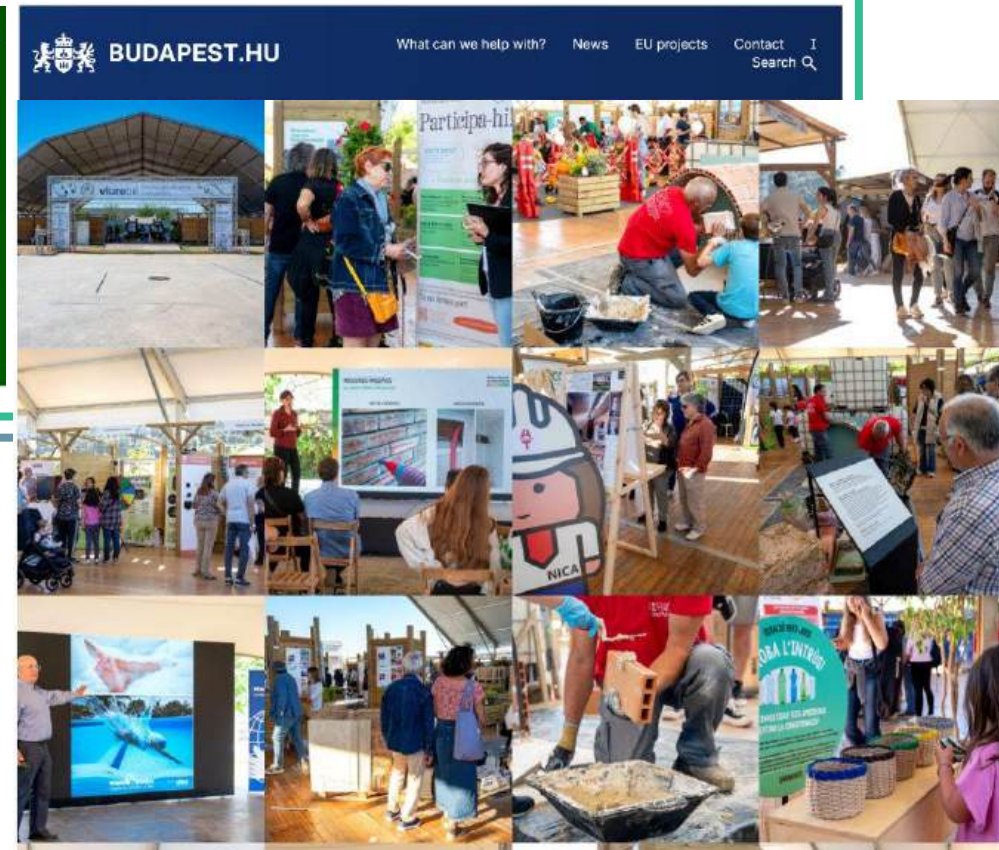
Prerequisites

Building Blocks

Outcomes/ Outputs

Budapest

Vision: Upscale
Healthy Streets
Approach



Granollers

Vision: Guide future
urban regeneration
vision for La Bobila
Neighbourhood

Building evidence with 2
technical assessments

Creating guidelines to
be adopted

Capacity building and
learning resources



upTAKING

Prerequisites

- ❑ Results from each UP
- ❑ Vision
- ❑ Needs assessment
- ❑ Prototypes (from Upgrade phase)

Building Blocks

- ❑ Knowledge sharing and dissemination events
- ❑ Awareness building and communication
- ❑ Diverse events and engagement
- ❑ Continuous feedback loops

Outcomes/ Outputs

- ❑ Engaged community
- ❑ Broader stakeholder collaboration
- ❑ Ownership and local champions created
- ❑ Established and strong communication channels

upTAKING

Prerequisites

Belfast

Vision: Net Zero
Neighbourhood
framework

Building Blocks

Climate conversations

Showcasing case
studies

Building capacity &
evidence

Outcomes/ Outputs

Zagreb

Vision: Upscaling
urban farming in
schools

Building school
curriculums

Promoting behaviour
change

Proof of concept/
testing



UP2030

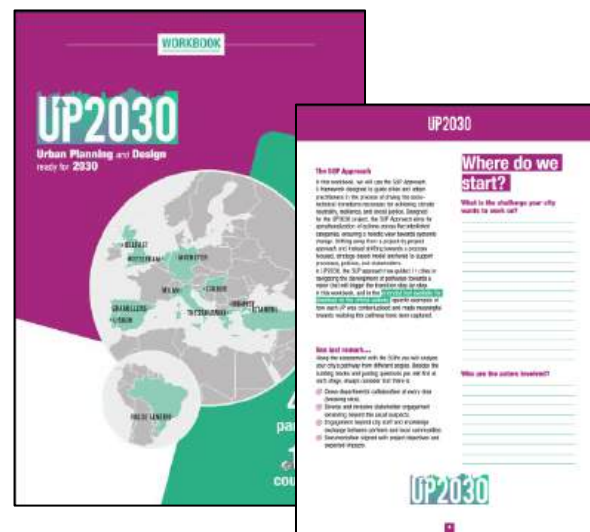
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Project results

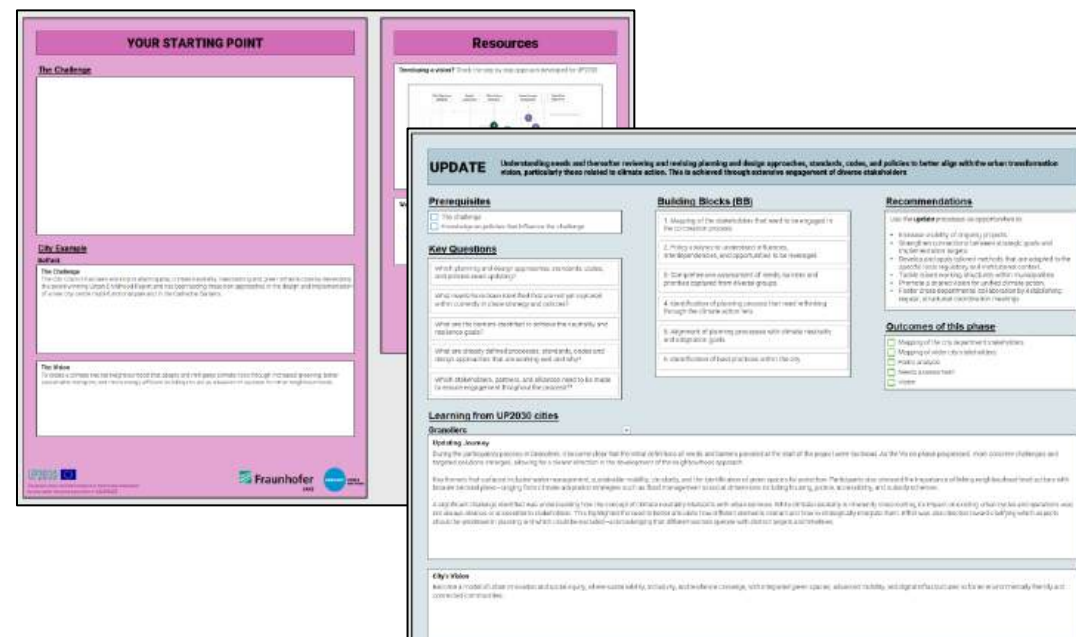




5UP Workbook & Tool



- Printable workbook
- Key information to develop each UP
- A city example per UP

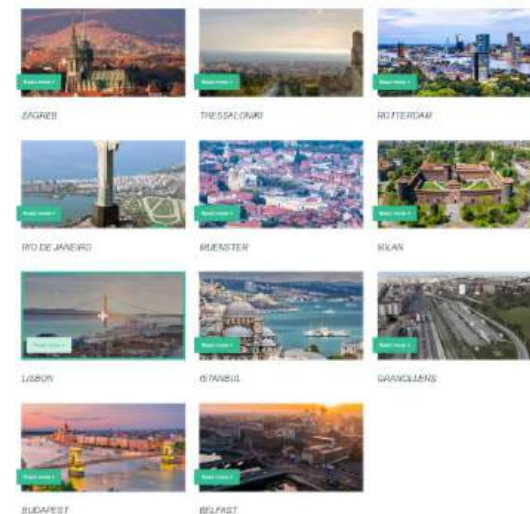


- Excel based tool
- Example from all UP2030 cities
- Link to resources



UP2030 Website
<https://up2030-he.eu>

Cities' Pathways



Tools



**Energy integration
and GHG
emissions
reduction**



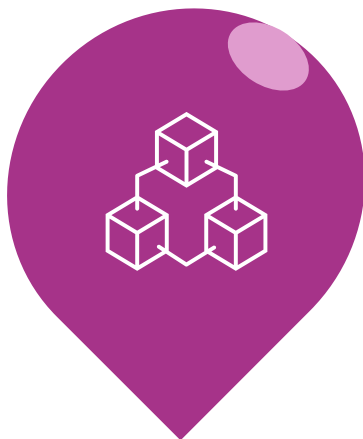
**Data Governance
and digital
planning**



**Scaling-up
processes**



**Inclusive
participation and
spatial justice**



Service Platform

<https://urbanplanningfor2030.eu/>

Urban Typologies

Urban Typologies

[Access the tool >](#)

[Learn more about the tool](#)

Upscaling Toolbox

Governance

Governance Tool

[Access the tool >](#)

[Learn more about the tool](#)

Finance

Cost-Benefit Analysis (CBA) Guide

[Access the tool >](#)

[Learn the tool in detail](#)

Finance

Green Finance Guide

[Access the tool >](#)

[Learn more about the tool](#)

Upscaling for cities

In this section, you will find the knowledge you need to develop an upscaling plan for your urban planning projects. On the one hand, you will find information on the upscaling methodology developed in UP2030 for cities, and on the other hand, you will find practical examples of how this methodology has helped to create an upscaling plan for 10 cities.

Upscaling Methodology

Learn more about the Upscaling Methodology developed in UP2030, where you will receive guidance on how to apply it in your local context.

[Access the Upscaling Methodology >](#)

Learn from cities

Find out how 10 cities have implemented the upscaling methodology in the UP2030 project.

[Discover the cities' experience >](#)

5UP Approach

The primary focus of this platform is on the upscale component, providing cities with financial mechanisms and governance recommendations that support them on upscaling. However, there are many prior steps to be taken to develop the initiative that is proposed to be scaled up, and it is often a winding process that is difficult to implement. The UP2030 project has developed a method to guide cities along this path.

In the UP2030 project, 11 cities from different socio-economic and geographical contexts have tested the 5UP methodology, which has been designed to guide cities in designing projects, plans and strategies that are aligned with their socio-technical transition to meet the objectives of climate neutrality, resilience and social justice.



UP2030

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Massive Online Open Course

<https://edu.urbanresilienceresearch.net/space/how-to-build-carbon-neutral-resilient-and-just-cities/about>





Presence of Tools in the [NZC website](#)



Citizen Mapping Tool - UP2030

The Citizen Mapping Tool is an open-source map-based tool to collect data from citizens and other local actors. The tool allows for conventional types of survey questions, such as multiple choice and map-based questions, including the...

[→](#)

Toolkit for Stakeholder Engagement towards Carbon Neutrality - Up2030

This toolkit is designed to help cities and organisations support the socio-technical transitions needed to achieve climate targets drawing on participatory urban planning and design. It provides a checklist covering the key stages of stakeholder...

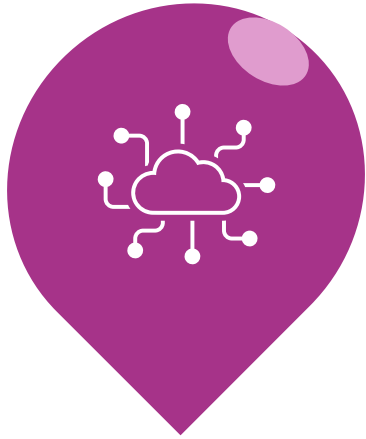
[→](#)

TU Delft Planning Cycle - stakeholder engagement

The TU Delft Planning Cycle is a structured framework designed to integrate tools, methodologies, and frameworks systematically into urban planning processes, with a strong focus on participatory methods to ensure that the...

[→](#)

...and More



Frontiers Special Issue



Frontiers in Sustainable Cities - Innovation and Governance



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Cities' results

Parallel Sessions after the Lunch break!

The Tale of Two Cities":
Participation and
Engagement Tools for Urban
Planning - Experiences from
Budapest and Belfast "



Belfast



Budapest

Climate resilience
neighbourhoods in existing
urban areas – Two Cities,
Two Approaches, One Goal
(Rotterdam & Münster)



Rotterdam



Muenster

Paving the Way: Strategic
Integration of Climate
Resilience in Urban Design
and Planning through the co-
creation of methodologies
and guidelines
(Granollers & Milan)



Granollers



Milan

City ClimaQuiz – Discover the
Prototypes of Thessaloniki,
Lisbon and Rio de Janeiro



Lisbon



Thessaloniki



Rio de Janeiro

From Ideas to Realization,
Obstacles and Adaptation in
Istanbul & Zagreb



Istanbul



Zagreb

Tools' *Parallell Sessions after the second coffee break!*



Spatial Justice through Participatory Planning: Designing a Just Participatory Process

- Tools that are in the NZC portal.
- Additional tools for inclusive participation



Digital tools supporting building decarbonization in an urban context

- Tools related to energy integration and GHG emission reduction



Scaling up urban climate solutions for climate neutrality

- Service platform
- Tools for upscaling
- MOOC



Data governance & Digital Planning

- Urban planning & design
- Use of data



Tools for blue & green infrastructure and climate resilience

- Enhancing water management, ecosystem resilience, and climate adaptation

**What kind of challenges do you have
that this framework could support?**



Plenary Session

Urban Planning for Climate Impact

*Perspectives of EU funded
projects Climaborough and
Re-Value on innovative
procurement and waterfront
cities*



UP2030



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Barcelona

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Pilot City: Muenster



Perspective #1

Procurement as a catalyst for urban innovation

EU Funded Project
Climaborough



Moderator

Matteo Satta

In-house Consultant

Scientific Coordinator of CLIMABOROUGH

ANCI Toscana

Speakers



Francesco Molinari

In-house Consultant

Procurement Coordinator of CLIMABOROUGH

ANCI Toscana



Metodi Avramov

Director Strategies, Innovations and International Projects

Sofia Urban Mobility Centre

City of Sofia



Ajuntament de
Barcelona



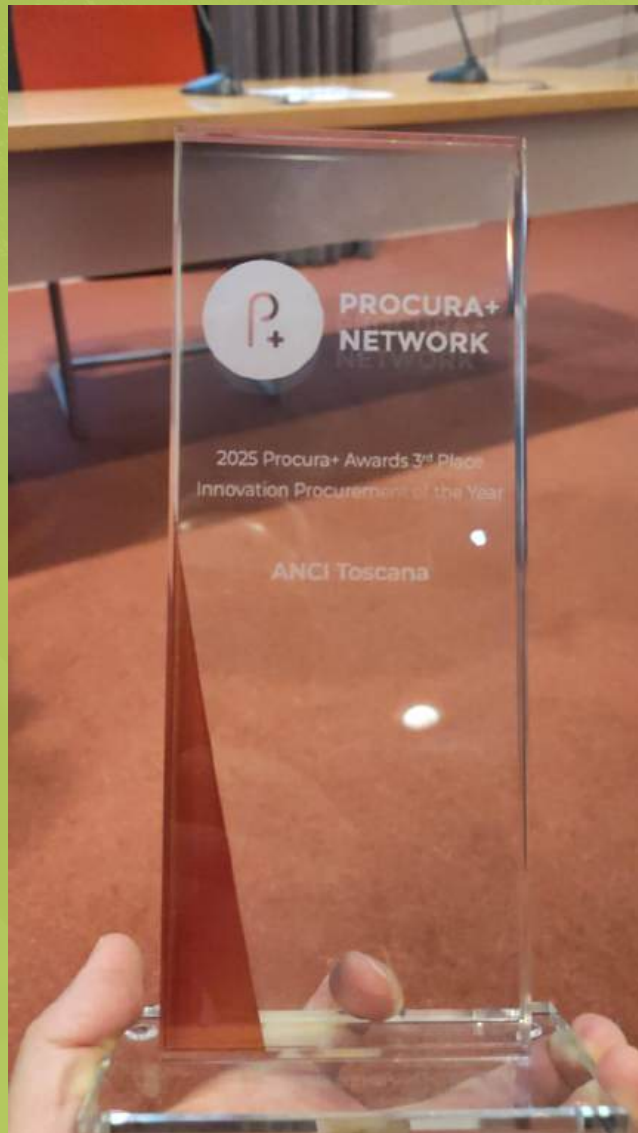
Francesco Molinari
ANCI Toscana

Cities In Action
3 November 2025
Barcelona, Spain



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the European Union

An award-winning intuition



Best Innovation Procurement Instrument of the Year – 3rd prize

The CLIMABOROUGH Innovation Partnership was officially awarded by the Procura+ network on October 8th, 2025, in Middelburg, NL (more information at: <https://climaborough.eu/public-procurement/tender/>)



CLIMABOROUGH ABOUT OUR CITIES PUBLIC PROCUREMENTS OUR WEBINARS OUR BLOGS PRESS AREA AND DOCUMENTS CONTACTS



CLIMABOROUGH Tender

The goal of this tender is to provide to 8 European cities the services and products corresponding to their needs.

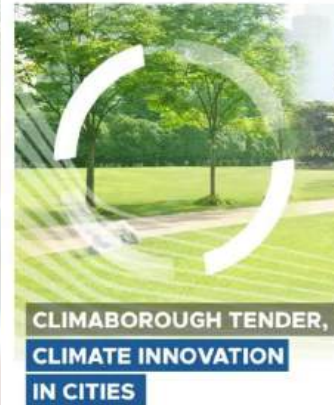
To this end, ANCI Toscana has launched a call for tender using the instrument of the Innovation Partnership and structured in 8 distinct lots, each worth 300.000 euro to be assigned to 2 distinct economic operators.

Since the start of the project, CLIMABOROUGH has worked in collaboration with the cities of Athens, Cascais, Differdange, Grenoble-Alpes, Ioannina, Maribor, Sofia and Torino, to launch a call for tender to ask innovators to propose climate solutions on various fields.

The phase 3 of this process was concluded on May 17, it concerned 31 applications, that were ranked to define the awarded solutions.

The final ranking can be consulted below.

The deployment of the solutions will start in October/ November 2024 with a duration of 12 months.



In a nutshell

“ANCI Toscana’s CLIMABOROUGH Innovation Partnership is a pioneering public procurement initiative, with a budget of €2.4 million, which supports climate resilience in eight European cities through socio-technical solutions tailored to each locality in the fields of energy, mobility and waste. Funded by the Horizon Europe programme, it applies the innovation partnership model (Directive 2014/24/EU), which uniquely enables joint research and development and implementation under a single contract. The procurement followed a rigorous five-stage structure: open accreditation, bilateral technical negotiations, financial offers, selection of successful bidders and a 12-month deployment phase. From the 64 initial candidates, the process shortlisted 15 winning economic operators (two per city, except Maribor), six of which were selected outside their countries of origin, reinforcing cross-border innovation transfer. Joint design workshops and market consultations ensured that the solutions responded to real urban needs, while encouraging the participation of SMEs and start-ups. The partnership centralises procurement through ANCI Toscana, respecting the autonomy of each city through individual project lots. Each pilot project is currently being implemented in cities such as Athens, Sofia, Turin and Grenoble. The cities reserve the right to purchase additional versions of the solution under previously agreed conditions. Impacts include fostering market access for emerging green innovators, promoting the replication of climate solutions, and creating a scalable public procurement model for sustainable urban transformation across Europe. It directly accelerates progress towards the EU's climate neutrality goals”.

A few general issues we started from

- **Climate change impacts know no borders** → Why should we put borders to the solutions (and their providers)?
- **Procuring rather than financing innovation** → Does it lead to better / more fit to the purpose / more sustainable solutions?
- **Multi-country procurement** → Does it bring better quality / more value for money of purchased goods / services / works? Are we underscoring the implementation risks and challenges, e.g. language divides or logistical complexities?
- **Impact measurement** → How can we assess the benefits (for urban climate) above and beyond the immediate KPI of deployed solutions?
- **Scalability and replication** → What special provisions work better, within- and between- Cities?

Multi-country public procurement: challenges

- **Diversity of legal frameworks** (what is the applicable law? Is there a common denominator of purchase regulations? How can we assess the capacity to contract of foreign economic operators?)
- **Language and cultural barriers** (what is the language of the procedure? How can we reconcile used language with national law requirements? Who pays for / certifies the translations?)
- **Variety of needs and requirements** (due to the differences between national sites and contexts, it's not always easy to formulate a common set of joint purchasing objectives)
- **Logistical complexities** (goods, services or works commissioned in one country may be shipped or executed in a different country, by economic operators residing in yet another country – with related VAT, customs clearance, insurance and transportation issues).

How did we handle those challenges?

- **Diversity of legal frameworks** → Applicable law was the EU one, followed by the Italian (where ANCI resides). Simplified procedures for appeal, based on arbitration clauses. No litigation was ignited
- **Language and cultural barriers** → English was chosen as the official language of the procedure. Certified or even uncertified translations were asked for key procedural documents.
- **Variety of needs and requirements** → Maintained at City/Lot level, under the common header of “socio technical solutions to climate change related issues”, which helped preserve the unitary nature of the experiment.
- **Logistical complexities** → Emerged in a limited number of cases, probably mitigated by the European nature of the Call (participants were already expecting what happened).

Lessons learned so far

Goods

- A single, centralised procurer instead of several joint or federated procurers (in a sort of hybrid model between the two).
- The challenge identification mechanism coupled with preliminary market consultations.
- The 2-stage negotiation, offering a second opportunity to submit a revised technical offer, accompanied by the financial one.
- The award of 2 distinct suppliers per Lot.
- The alignment of deployment times (to enable joint evaluation of results), only partly achieved in practice.

Bads

- A time consuming and challenging (sometimes exhausting) process for the procuring station.
- There was no antecedent to learn from (e.g. in the design and implementation of evaluation criteria).
- Significant efforts had to be devoted to the coordination of City teams at the various stages of the procedure.
- Complexity of the multi-country processes of administrative and legal checking and auditing.
- Invoicing issues



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Sofia: the capital of Bulgaria

1 311 sq. km

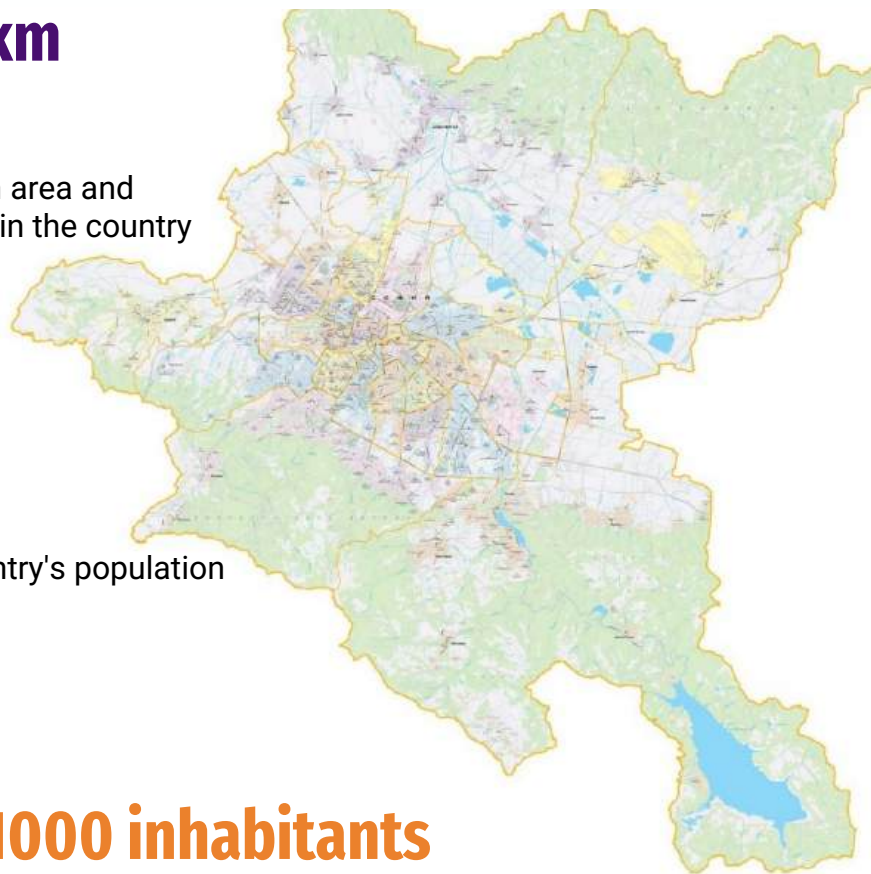
Area

The largest urban area and economic centre in the country

1,3 m
Population

19.5% of the country's population lives in Sofia

528 cars/1000 inhabitants
Motorisation rate



24

Administrative Districts

40% of

Bulgaria's GDP

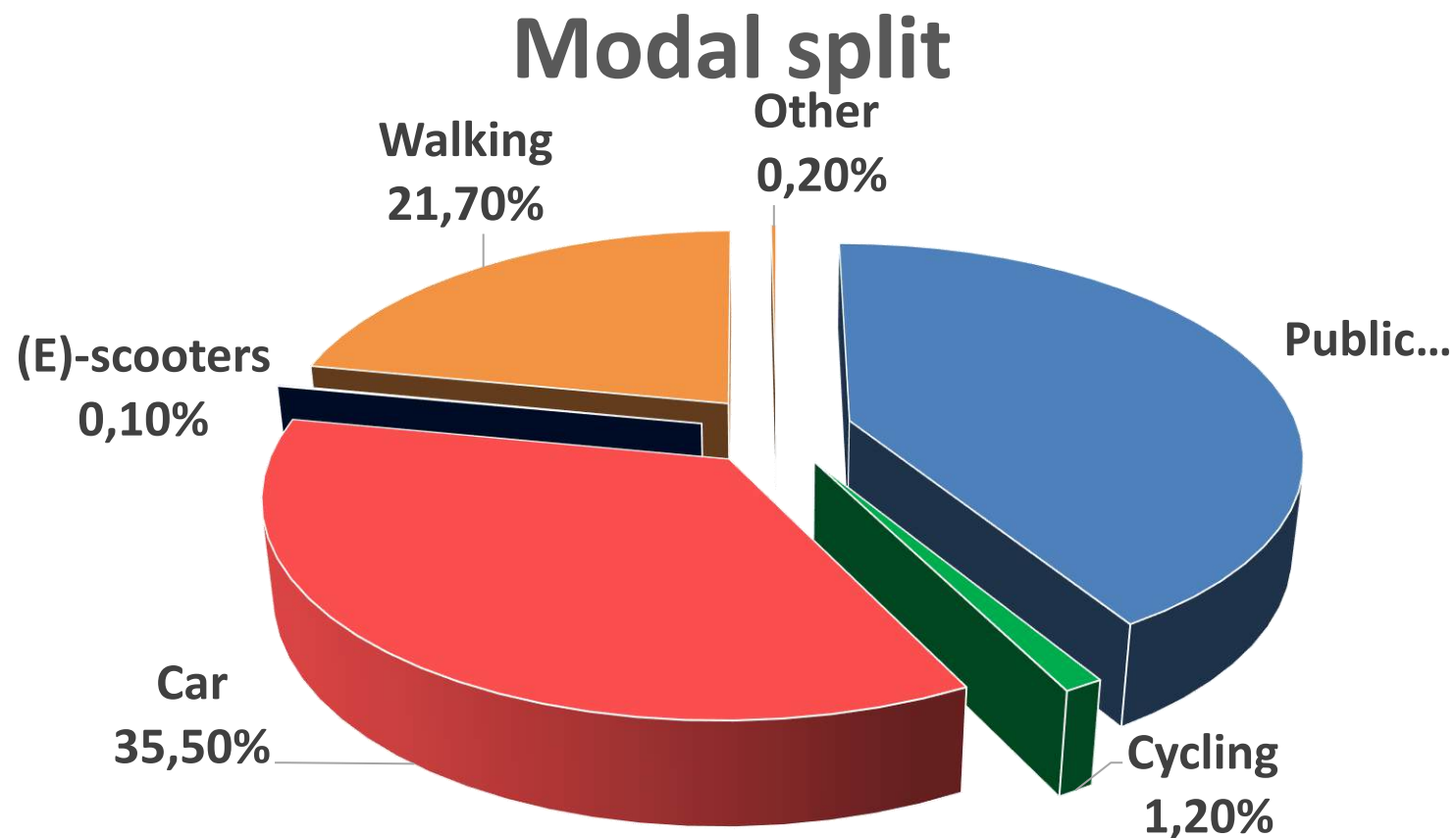
GDP per person in Sofia is twice as high as that for the country.



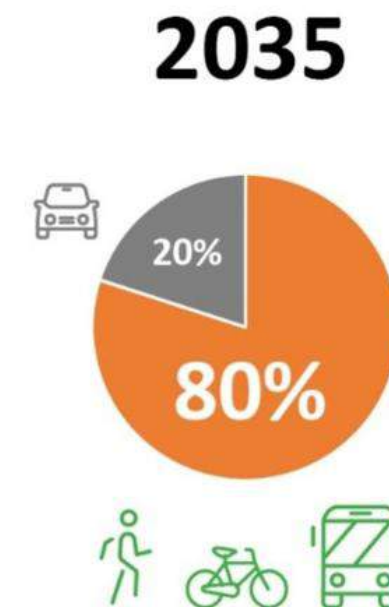
565 millions

Public transport trips (2024)

Sofia: Modal split



**SUMP goal -
modal split in**



Sofia



The Challenge

- high occupancy rates of the controlled parking zones
- reducing the use of personal cars through less vehicles looking for parking

Higher occupancy rates in short-term paid parking zones generate a “parasite” search traffic for available parking spot which contributes to traffic congestion.

Reducing occupancy rates in paid parking zones has been identified as a potential solution to reducing the problem of “searching for available parking spot”.

Solution envisaged – Identifying the volume of search traffic for available parking spot in a dedicated area and providing information regarding the parking occupancy rates.

Fighting traffic with parking

A CIRCULAR TECHNOLOGY APPROACH



- We **don't lack technology**, we lack the right use of technology.
- Technology **behavioral change** without will not work.
- The **gap** between local authorities and the market must be reduced.

Short-term paid parking zones

“BLUE ZONE”

12 000 parking spaces

• **Price - 2 BGN per hour.**

• Maximum duration of time for parking – up to 2 hours.
Mon-Sat: 08.30 - 20.00 h.

“GREEN ZONE”

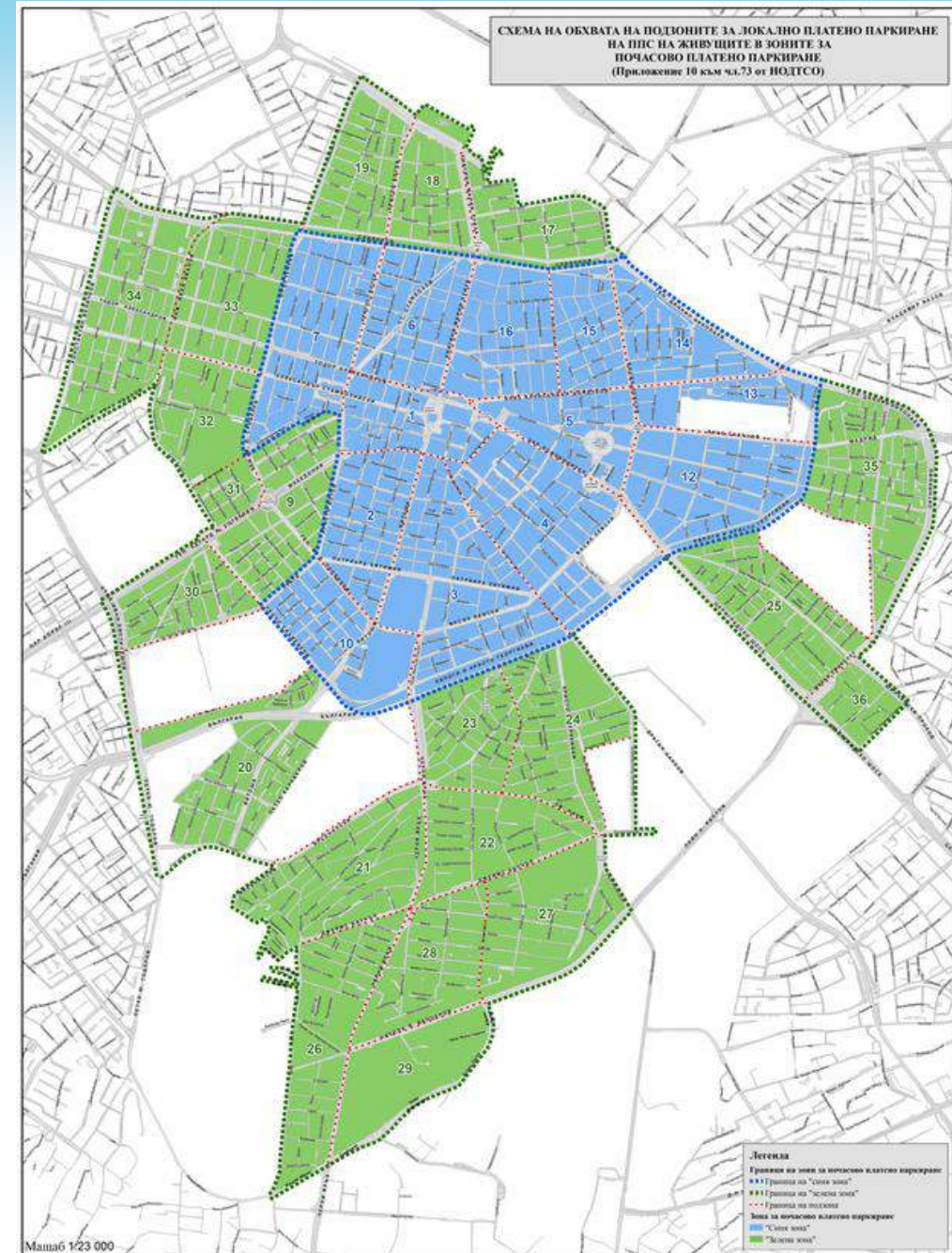
21 000 parking spaces

Price - 1 BGN per hour.

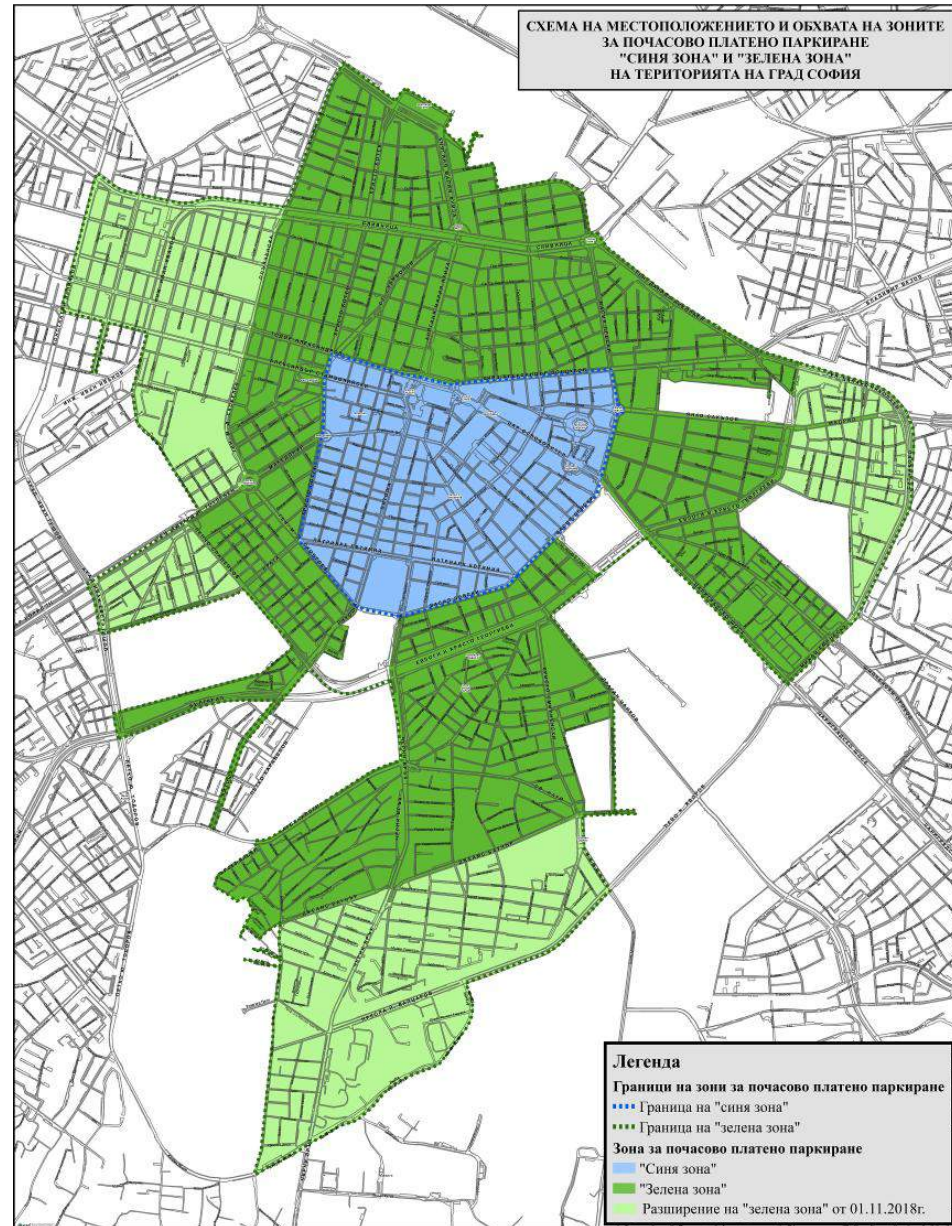
• Maximum duration of time for parking – up to 4 hours.
Mon-Fr: 08.30 - 19.30 h.
Sat: 10:00 - 18.00 h.

Electric vehicles park in short-term parking zones for free.

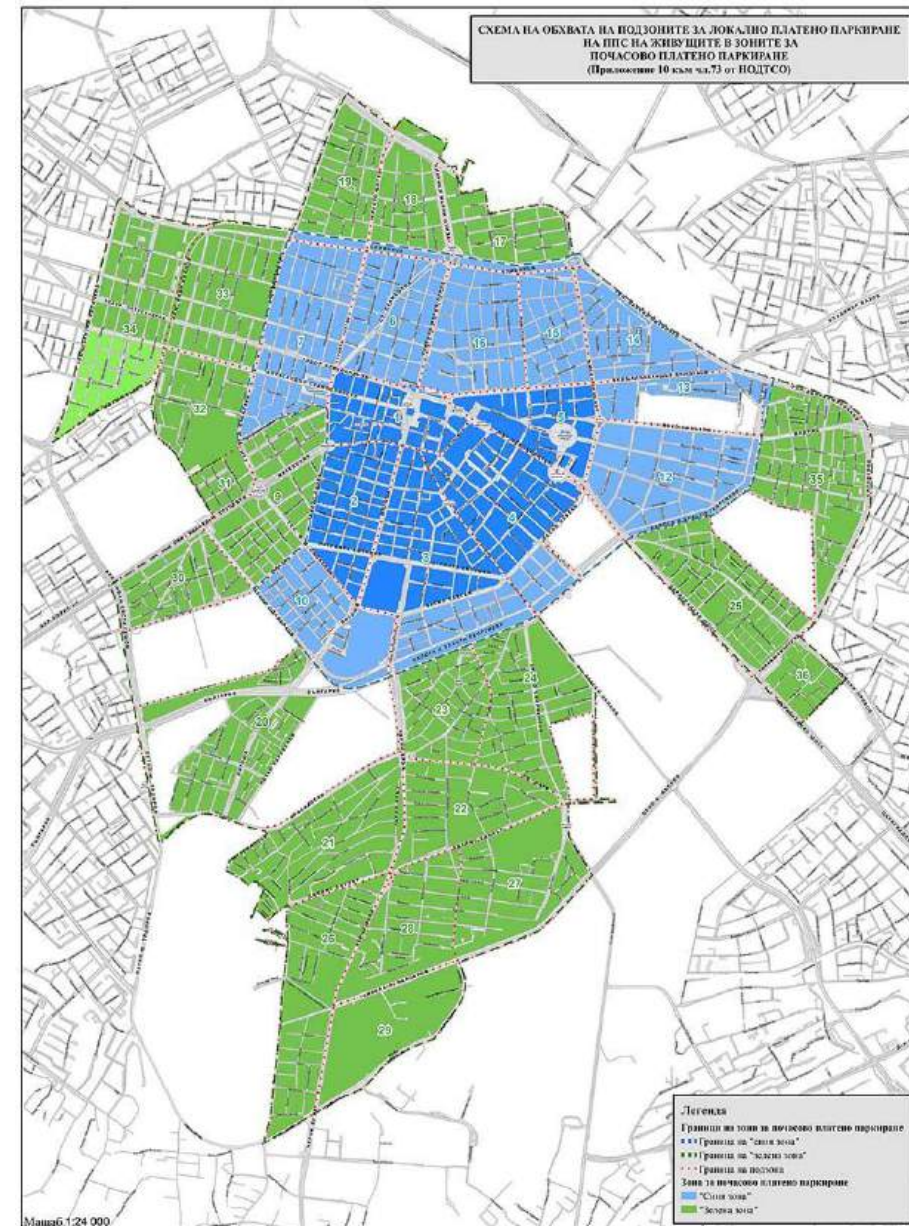
**Currently in Sofia are registered more than 12000 electric vehicles.
EVs in 2017 – 250.**



2018



2021

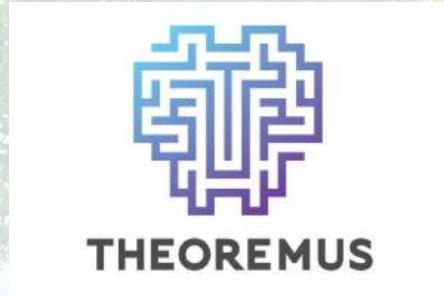


Extension of existing controlled parking zones

Date	Blue zone	Working time	Green zone	Working time	Total
2016	5 000	Mon - Fri 8:00 – 19:00 Sat 8:00 – 14:00	12 000	Mon - Fri 8:00 – 19:00	17 000
2017	5 000	Mon - Fri 8:30 – 19:30 Sat 8:30 – 18:00	17 000 (+ 5 000)	Mon - Fri 8:30 – 19:30	22 000
01.11.2018	5 000	Mon – Fri 8:30 – 19:30 Sat 8:30 – 18:00	23 000 (+ 6 000)	Mon – Fri 8:30 – 19:30	28 000
04.01.2021	5 000	Mon – Fri 8:30 – 19:30 Sat 10:00 – 18:00	25 000 (+ 2 000)	Mon – Fri 8:30 – 19:30 Sat 10:00 – 18:00	30 000
01.12.2021	12 000 (+ 7 000)	Mon – Sat 8:30 – 20:00	21 000 (- 4 000)	Mon - Fri 8:30 – 19:30 Sat. 10:00 – 18:00	33 000

Sofia – the solutions

Park with Me



Methodological framework for parking management using hexagonal zoning

Utilizing predictive analytics to forecast parking demand

Real-time visualization on parking availability and historical occupancy trends.

Supporting infrastructure for collecting parking data

SIGNORA



Real time prediction & optimal navigation

In advance Social Interventions Planner

Expected outcomes

- *Correlation between occupancy rates and search traffic volumes*
- *Quantifying the 'parasite' search traffic volumes in time and emissions*
- *Policy making and data driven decisions for parking management and enforcement*
- *Data for occupancy rates of residents' cars and electric vehicles*
- *Engaging citizens throughout the whole decision-making process*

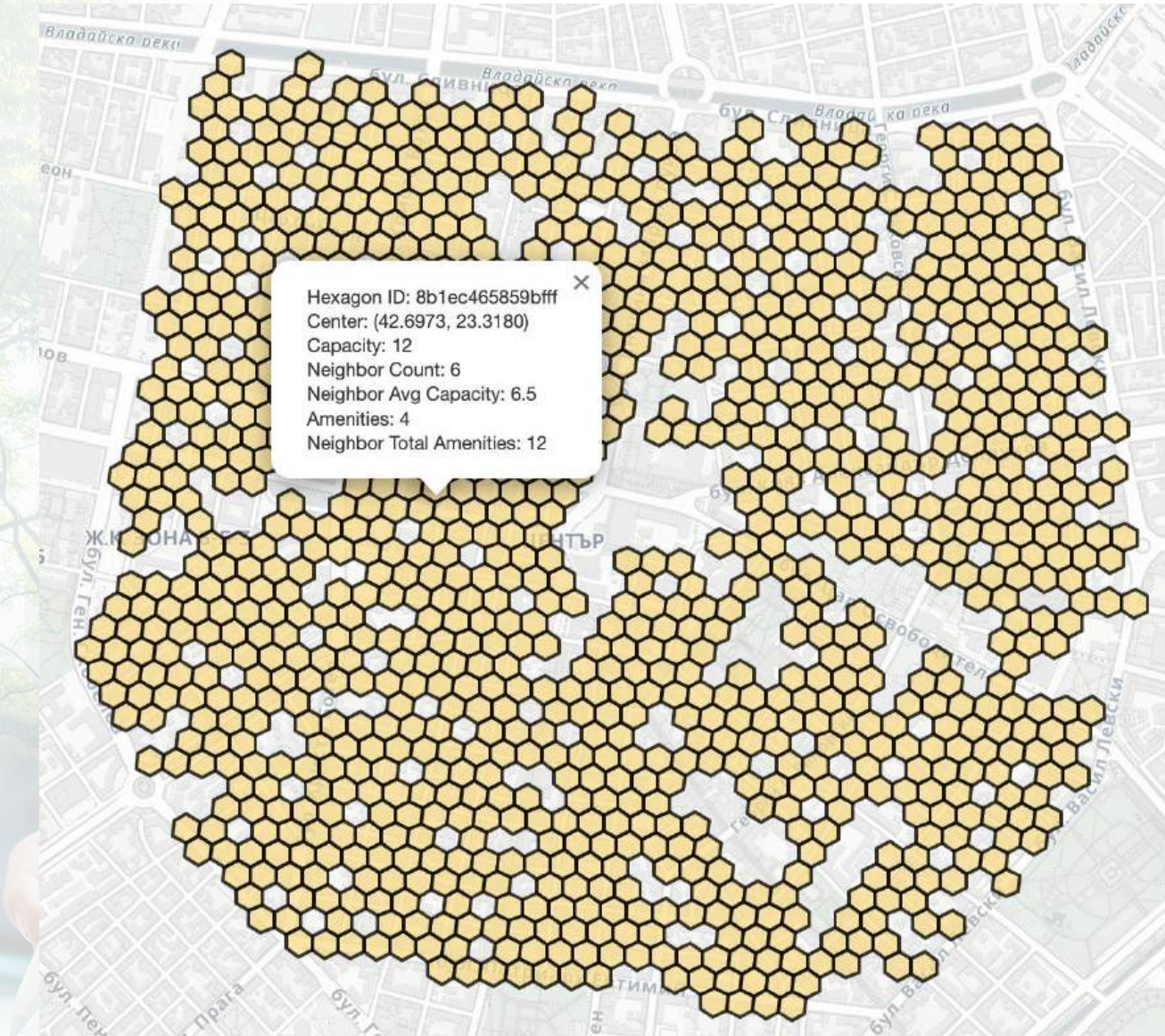
Solution 1

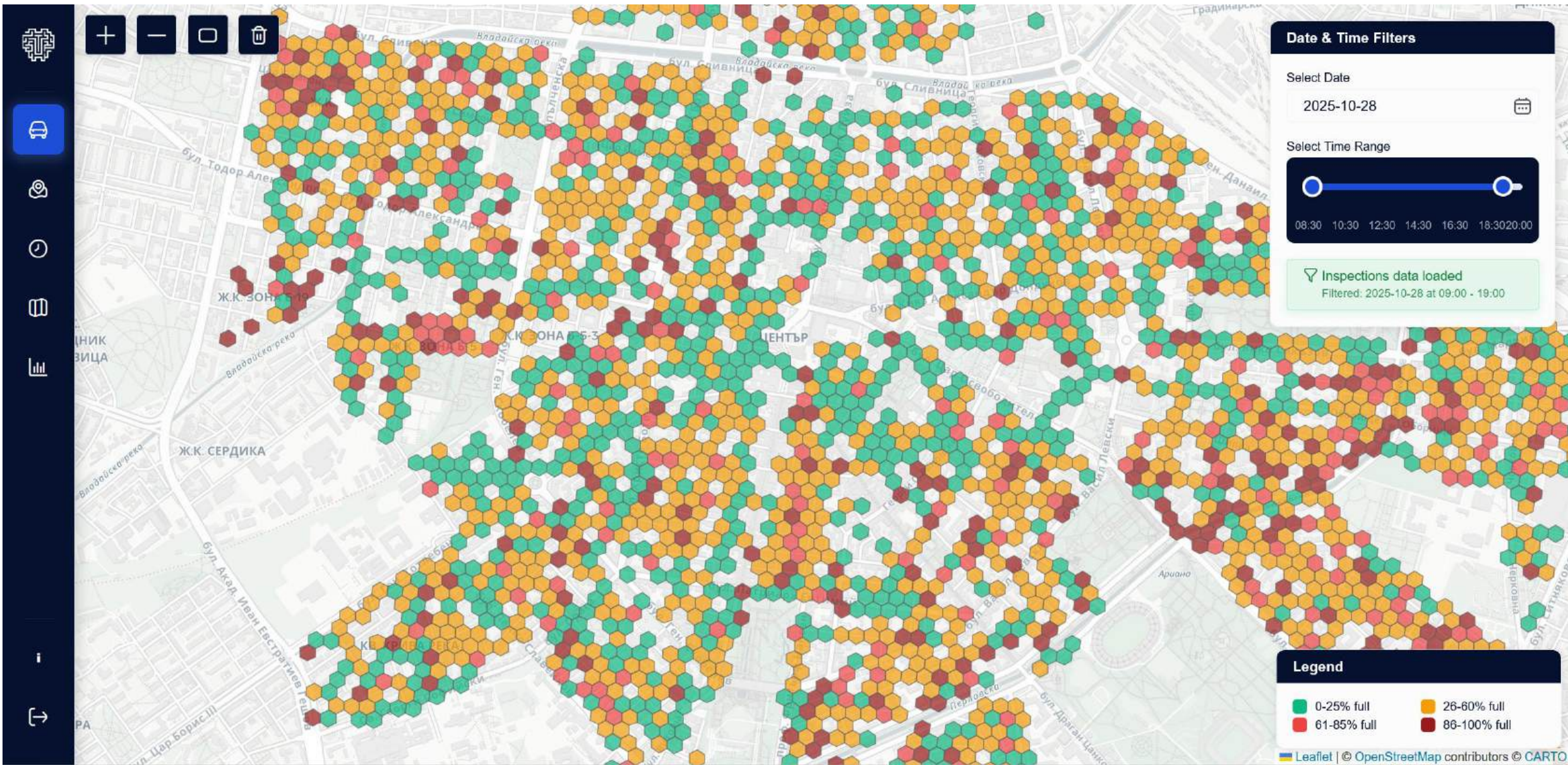
Trained machine learning model using a hexagonal grid, which better matches the city's structure than squares.

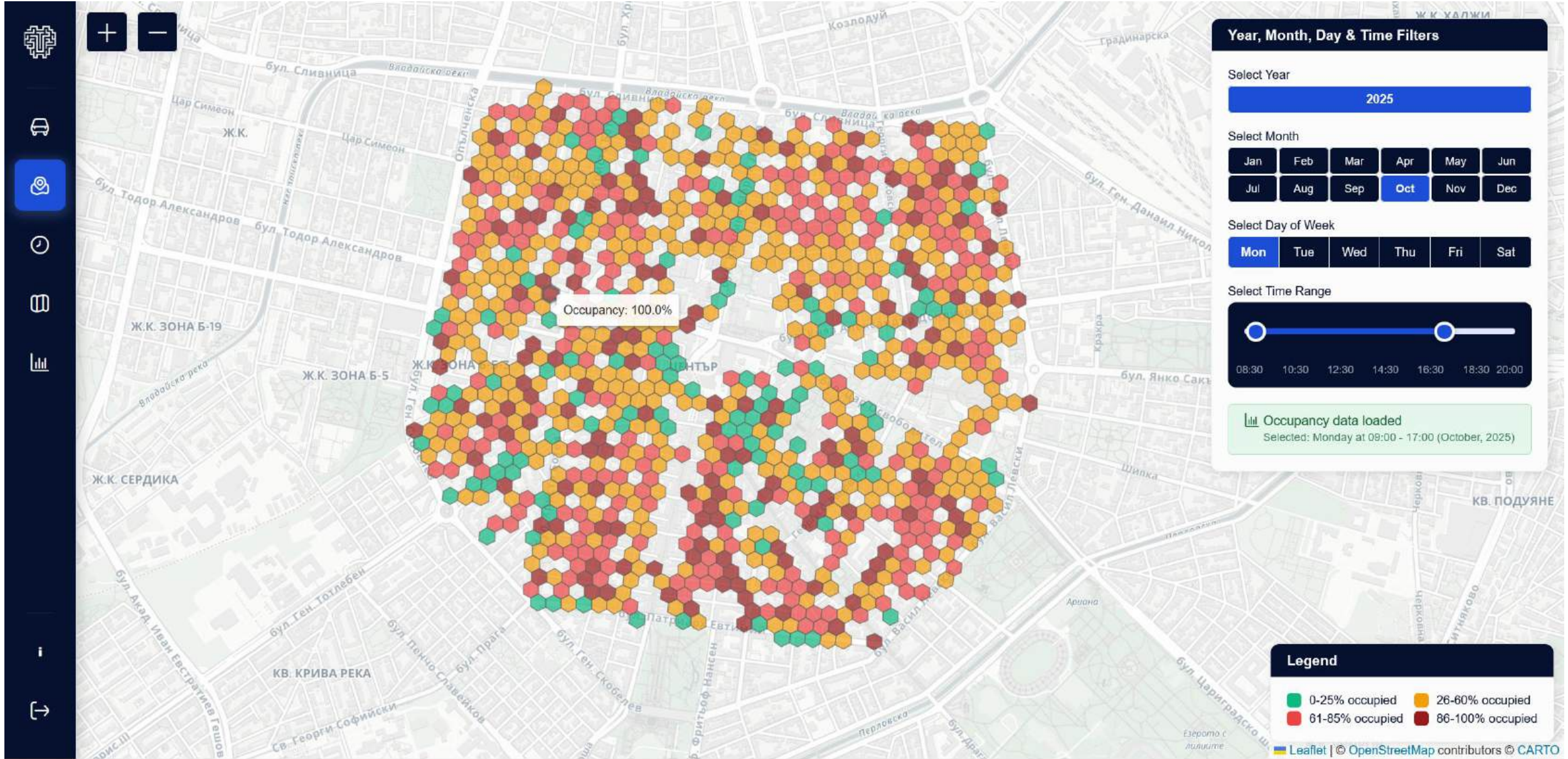
For each hexagon, it is calculated:

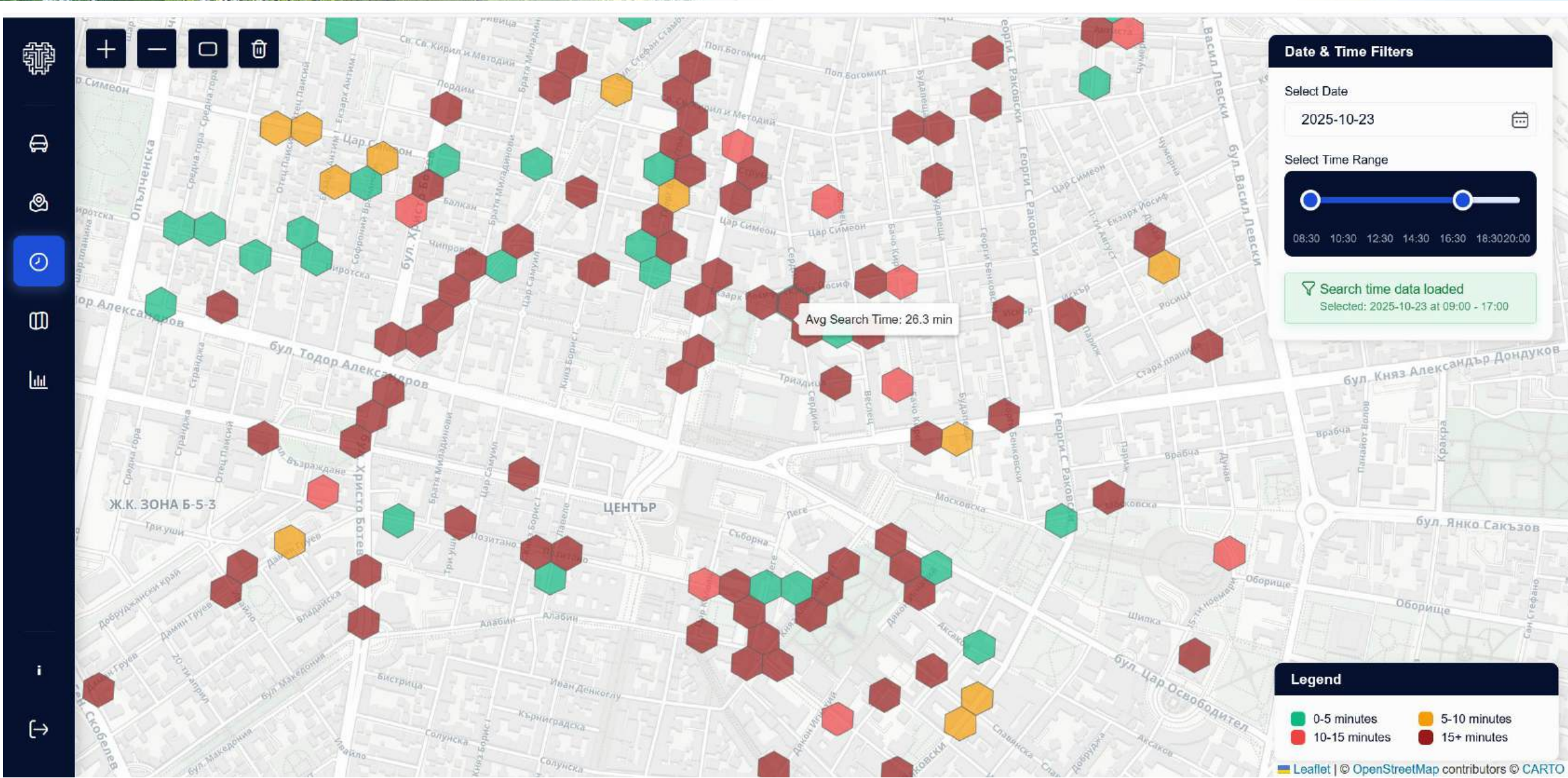
- transport network features (streets, roads)
- number of amenities (shops, restaurants, schools)
- total street length
- number of traffic lights
- distance to major roads
- average speed

Additionally, the features for neighbouring hexagons are also taken into consideration for capturing relevant context.





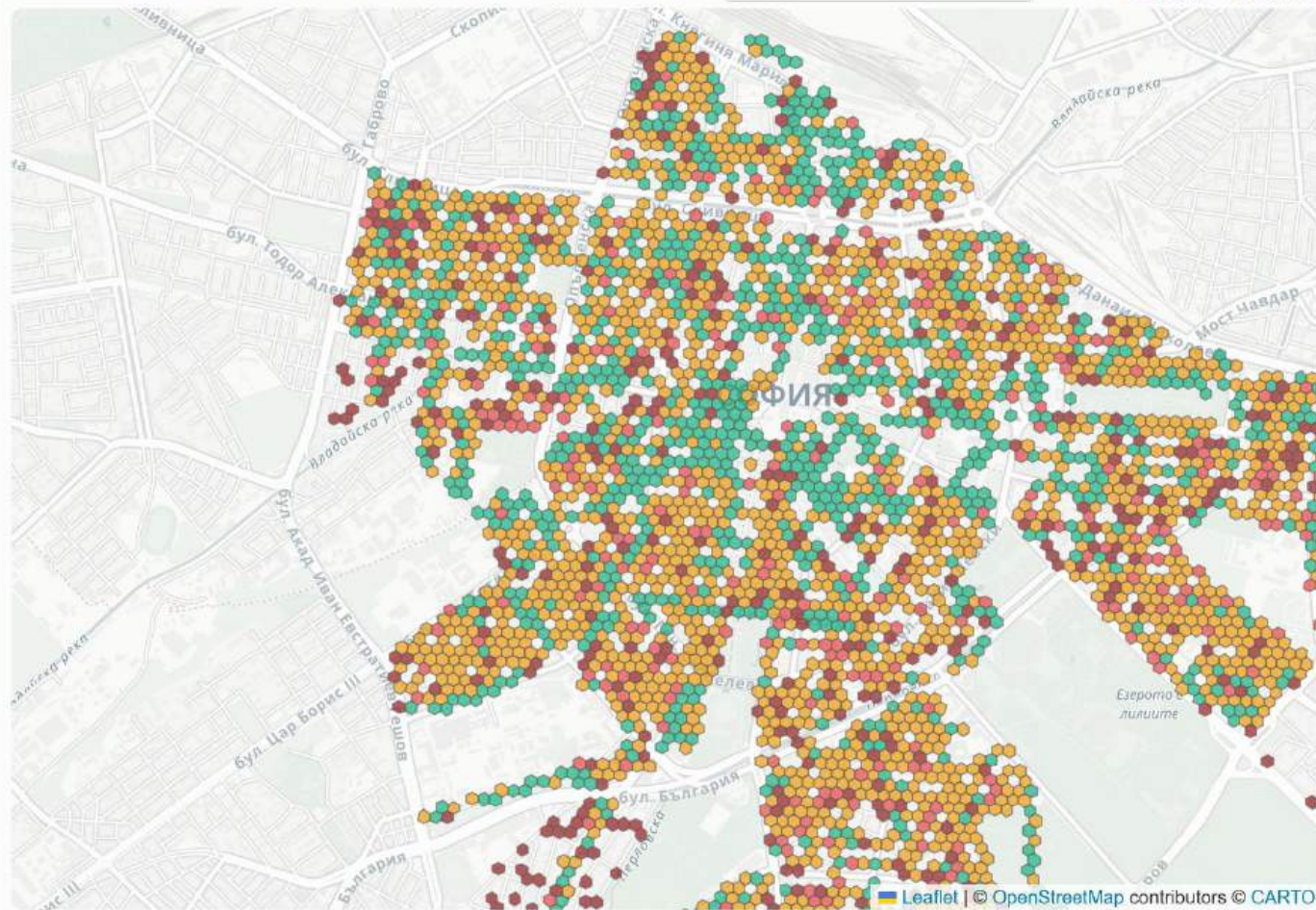
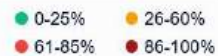




Statistics

Weekly Working Day Inspections (09:00 - 18:00)

Week: Oct 20-25, 2025



Analytics

Vignettes
9,901

Electric vehicles
338

Parking spots
30,676

Hexagons
3,716

**Difference between parking spaces and inspections may be paid SMS or uninspected hexagon areas*

Trends

High-Use Hexagons
985

% of Total Hexagons
27%

Average Rate
82%

Peak Ratio
12%



Selected Areas Summary 173

Total Vignettes
608

Total Electric Vehicles
10

Total Parking Spots
1615

Subscription: **9**
Diplomatic: **0**
Disabled: **48**

Hexagons Selected
173

Clear Selection

Date & Time Filters

Select Date

2025-10-28



Select Time Range

08:30 10:30 12:30 14:30 16:30 18:30 20:00

Inspections data loaded

Filtered: 2025-10-28 at 08:30 - 20:00

Legend

0-25% full 26-60% full
61-85% full 86-100% full

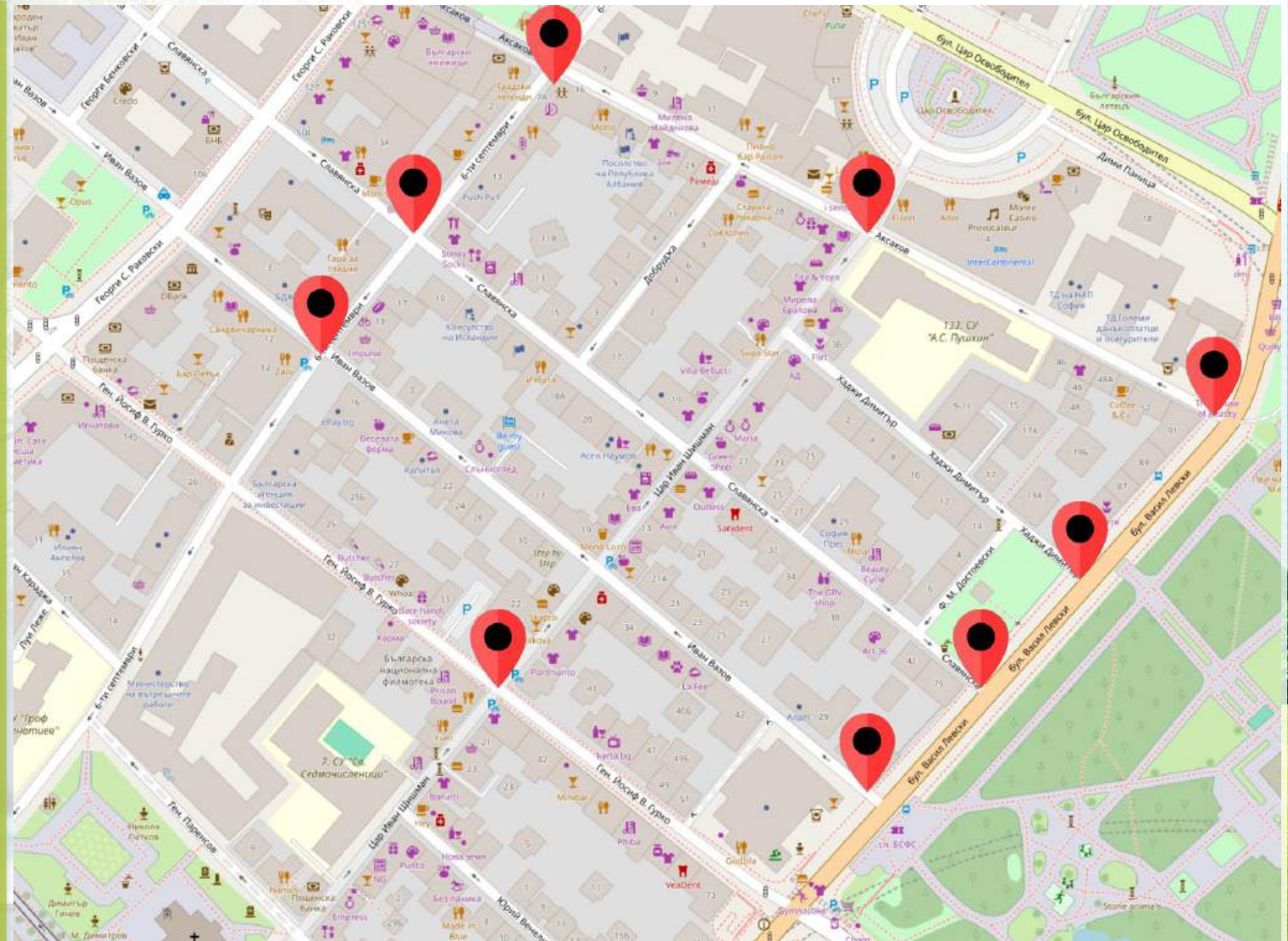
Solution 2

Camera based solution

Real time data collection

Prediction model

Optimal navigation app





Devices

1 records per page

Search

Active	ID	Friendly Name	Direction	Lat	Log	Action
Yes	10	Interall - for testing	Out	38.0000000	24.0000000	
Yes	1	Square Narodno Sobranie	In	42.6900000	23.3120000	
Yes	2	Alisakev 1	In	42.6900000	23.3140000	
Yes	3	Podzhi Dimitar 1	Out	42.6900000	23.3190000	
Yes	4	Sinyanska 1	In	42.6900000	23.3120000	
Yes	5	Ivan Vozov 1	Out	42.6900000	23.3120000	
Yes	6	Gurko/Tsar Shishman 1	In	42.6900000	23.3190000	
Yes	7	Ivan Vozov 2	Out	42.6900000	23.3180000	
Yes	8	Sinyanska 2	In	42.6900000	23.3190000	
Yes	9	Alisakev 2	Out	42.6900000	23.3190000	

Previous 1 Next

Camera Aksakov 1

 Total Vehicles: 8620 |  With Permit: 0

Camera Hadzhi Dimitar 1

 Total Vehicles: 2222 |  With Permit: 0

Camera Slavyanska 1

 Total Vehicles: 9675 |  With Permit: 0

Camera Ivan Vazov 1,

 Total Vehicles: 7667 |  With Permit: 0

Camera Gurko/Tsar Shishman 1

 Total Vehicles: 4 |  With Permit: 0

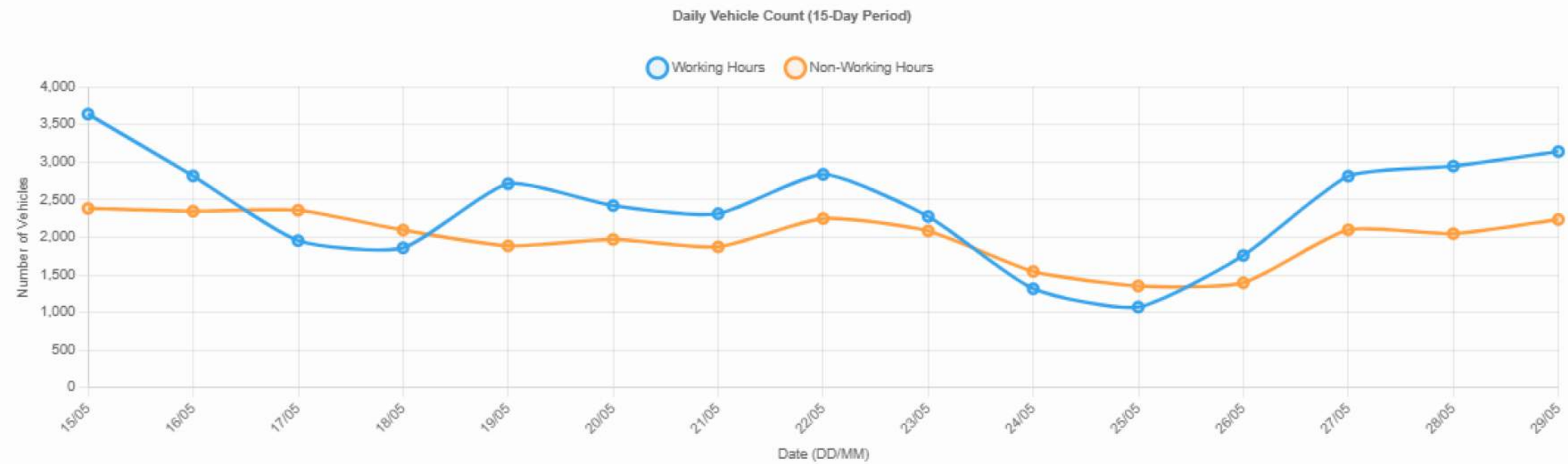
Camera Interlal - for testing

 Total Vehicles: 479 |  With Permit: 0

Traffic Volume Over Time



Daily Vehicle Count Timeline (Working vs Non-Working Hours)





Parking management based on the data provided by the innovative solutions

- *At least 15% available parking spaces in controlled parking zones*
- *Decreasing the search traffic for a parking spot*
- *Improving parking conditions*
- *Improving enforcement*
- *Modal shift to public transportation /cycling/walking/shared mobility*



Thanks for your attention!

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climaborough.eu



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the European Union

Perspective #2

Re-thinking the waterfront: City Stories of Climate Action

EU Funded Project Re-Value

Moderators



Arianna Orlando
Communications and
Events Lead
Re-Value project



Allison Wildman
Capacity Development and
Exchange Lead
Re-Value project

Speakers



Tiziana Felletti
Financial Manager in European Projects
Municipality of Rimini



Andreas Amundsen
Senior Advisor
Municipality of Ålesund



Çelen Ayşe Ünal
Architect
Izmir Metropolitan Municipality



Ajuntament de
Barcelona

Rethinking the Waterfront

City Stories of Climate Action



Tiziana Felletti

Financial Manager, Rimini Municipality



Andreas Amundsen

Senior Advisor, Ålesund Municipality



Çelen Ayşe Ünal

Architect, İzmir Metropolitan Municipality

re-value



Re-Valuing Urban Quality & Climate Neutrality in European Waterfront Cities



**“Sustainability
is not only
about cutting
emissions.”**



Ursula von der Leyen

President of the European Commission



Actionable

Integrated

Cooperative

Cascais

Ålesund

Bruges

Písek

Rijeka

Rimini

Constanța

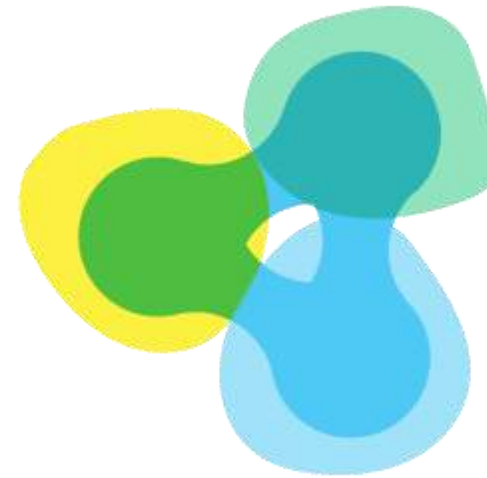
Burgas

İzmir





100 Climate-neutral Cities by 2030
– by and for the citizens



New
European
Bauhaus

Beautiful, Sustainable, Together



Innovation Cycle 1: Collective Story Building

Re-Value collaborates with cities, local partners, and stakeholders to embark on a transformative journey towards climate neutrality through engaging activities empowering not only the partners in Re-Value but the wider communities.

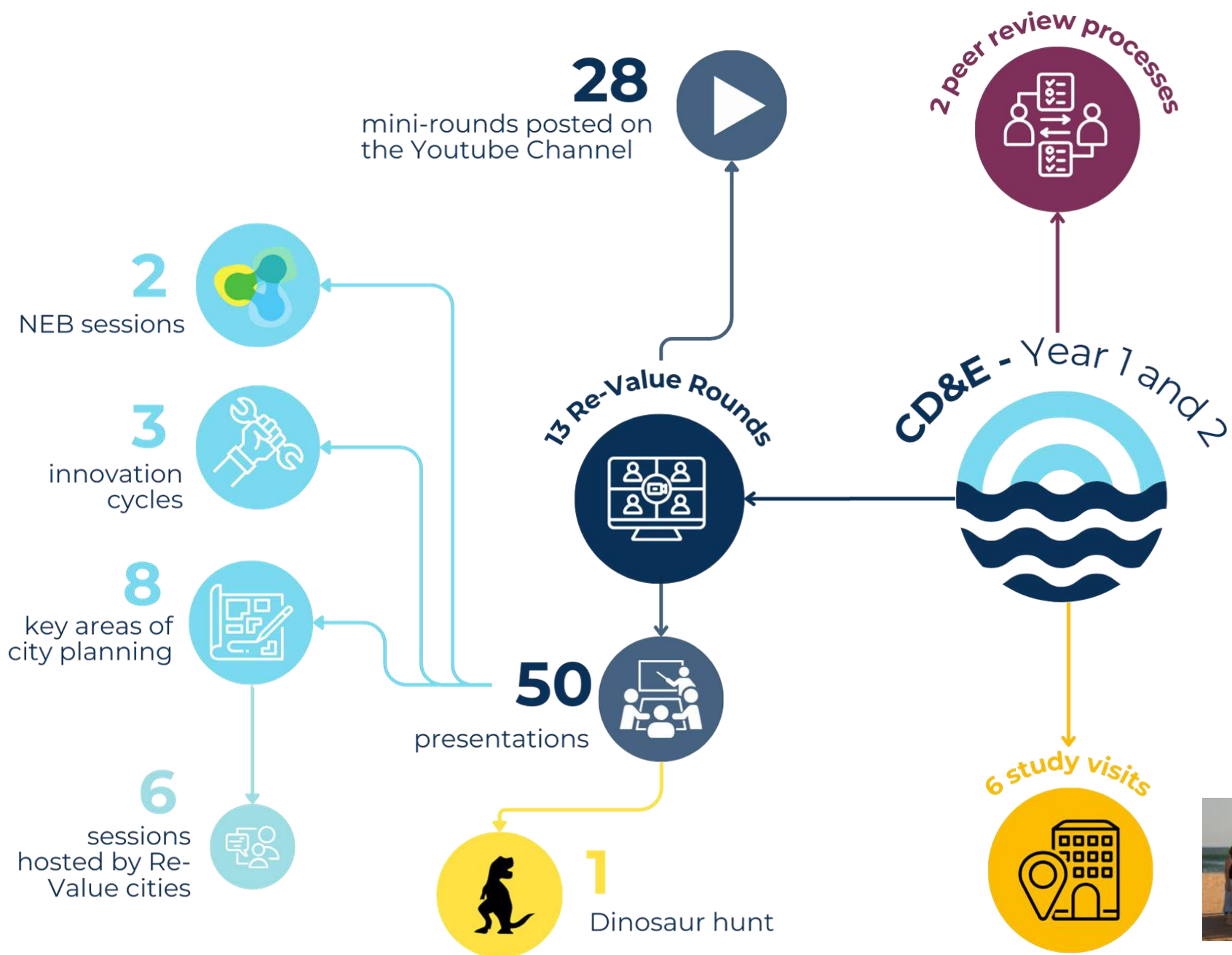
The efforts are based on a belief that positive change is best achieved together, and will also include Artistic Missions in each city from the artistic partners Sladovna Písek and Teatret Vårt.

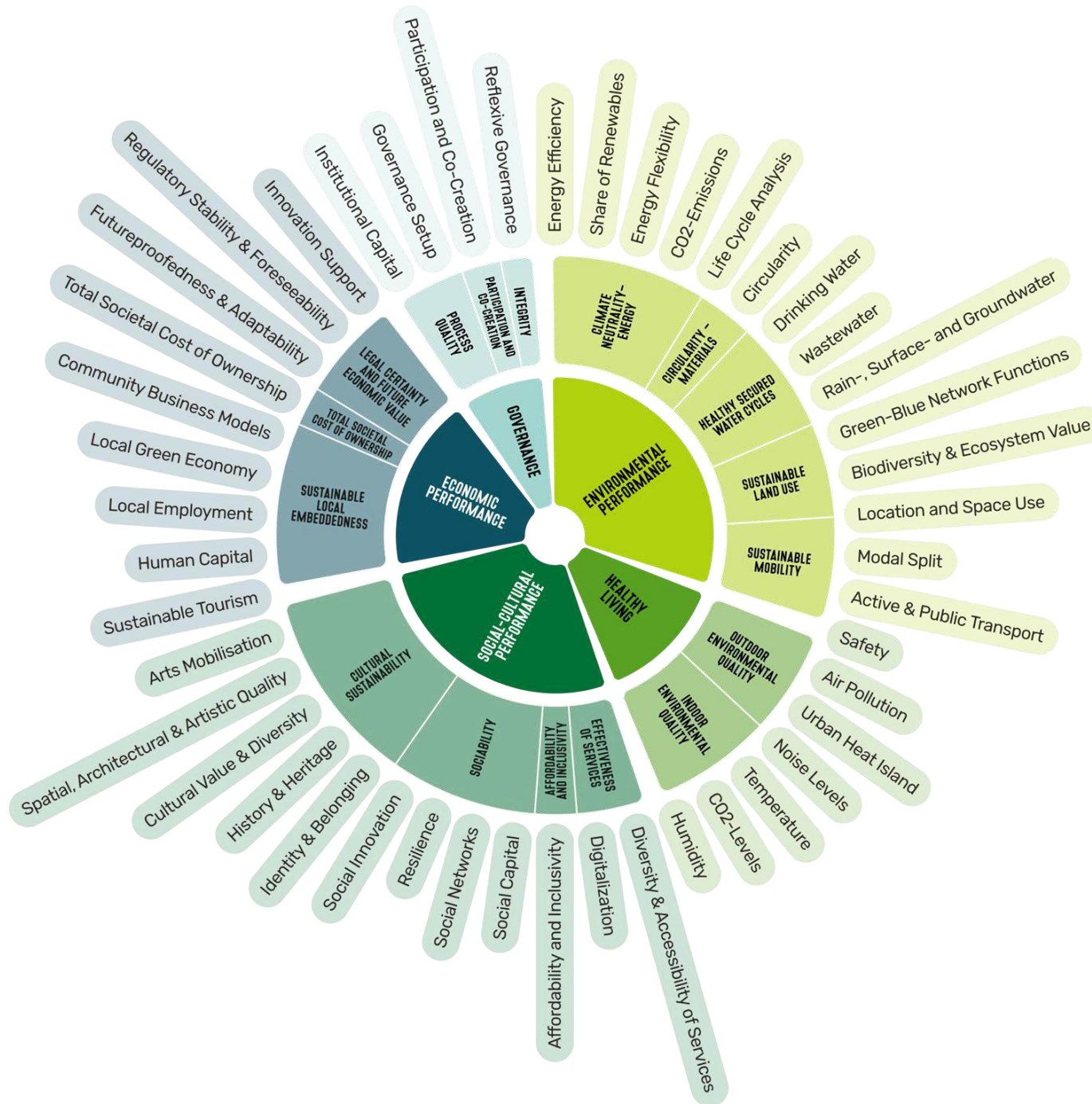
Innovation Cycle 2: Data-driven Scenario Building

Within this Innovation Cycle, the partnership, led by Ecoten, the cities and partners will actively collaborate to share effective methods for rapidly prototyping scenarios/information in potentially new ways to support the prioritised stories of Re-Value. This iterative process allows for experimentation, demonstration, refinement, and ultimately the identification of practical solutions that address the unique urban planning and design needs of the involved entities.

Innovation Cycle 3: Investment and Partnership Building

The primary objective of the investment and partnership cycle is to collaboratively assemble the elements needed for the cities to develop investment models that support the ambitions of their Waterfront Pilots and wider ecosystem. Led by GIB Foundation (Global Infrastructure Basel), the process aims to take a holistic approach and to de-risking investments enabling the cities to document and capture different values in their complex urban systems.





Impact Model

Developed in **CrAFt** & refined in **Re-Value**

Aligned with **NetZeroCities** and the **NEB Compass**

Key Performance Indicators:
What are the cities measuring and how?

Co-benefits: How to measure





of **new connections**
between Junior
Achievement and Cities

9x



of **youth** participating
in Re-Value Innovation
Camps

1,431



of **youth-generated**
ideas informing city
planning

219





Tiziana Felletti

Financial Manager, Rimini Municipality



Andreas Amundsen

Senior Advisor, Ålesund Kommune



Çelen Ayşe Ünal

Architect, İzmir Metropolitan Municipality



Tiziana Felletti

Financial Manager, Rimini Municipality



RIMINI

- Located on the **Adriatic coast**, Emilia-Romagna Region, Italy
- 150,423 residents and **over 15 million annual visitors**
- **Sandy beaches, Roman heritage**, and **vibrant culture**

Rimini has embarked on a transformative urban project called the **Parco del Mare** redefining its waterfront infrastructure to enhance well-being and sustainability.





The Rimini waterfront stretches for 15 kilometres and is divided into two sections:
North Sea Park and
South Sea Park,
a real urban **re**-volution





PILOT AREAS IN RE-VALUE

WATERFRONT PILOT 1: San Giuliano's District



WATERFRONT PILOT 2: Parco del Mare

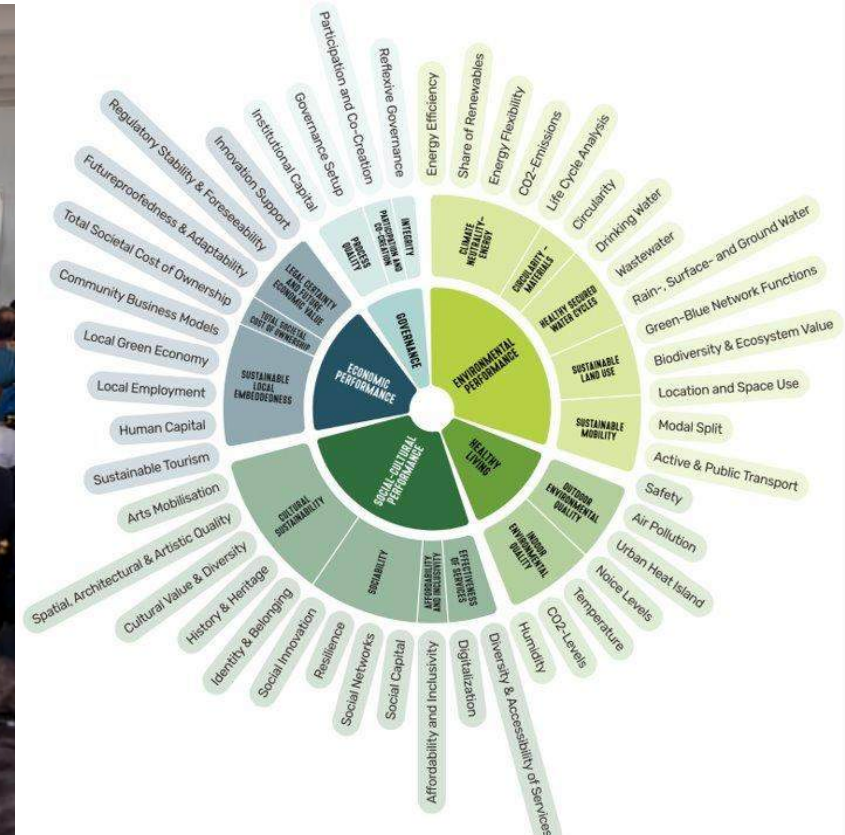




WATERFRONT PILOT 1: San Giuliano's District

The project for the physical redevelopment of the San Giuliano Mare seafront (Pilot 1) is one of the main operations of the **ATUSS- Agenda Trasformativa Urbana Sviluppo Sostenibile di Rimini** strategy.





Engage and Collaborate



WATERFRONT PILOT 2:

Parco del Mare

Parco del Mare is a comprehensive urban and environmental regeneration project that transforms the seafront into a **green, resilient, and multifunctional space**.



immagine: C. Miralles Tagliabue EMBT

Libreria Guida di Turismo Progettazione "Parco del Mare" - progetto da F&P

CEP - Gruppo di Lavoro: Miralles Tagliabue EMBT S.L.P. MASSARINI ARCHITETTI ASSOCIATI ARACUS S.R.L. MADE - immagine: A.C. Miralles Tagliabue



WATERFRONT PILOT 2:

Parco del Mare

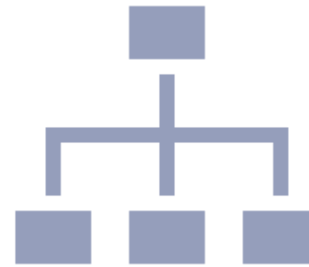
- Environmental Regeneration and Nature-Based Solution
- Urban Greenery and Biodiversity
- Culture, Mobility, and Sustainability
- Wellness, Tourism, and Urban Quality





FURTHER CHALLENGES AND GOALS

Building a **well-structured internal governance** aimed at creating a clear and organized framework that outlines roles, responsibilities, decision-making processes, and communication channels within the organization.



life
help



From an
**unstructured
approach**



to a **holistic vision** that considers design in every aspect of government, with integrated and long-term sustainability initiatives.



FURTHER CHALLENGES AND GOALS



Exploring public-private partnership synergies to support sustainable development in the territory. ("Win-Win Strategy")

- Exploring **new business models** for managing and maintaining public spaces in the Sea Park to ensure long-term sustainability
- Commissioning a **socio-economic study** on the Parco del Mare to assess its urban impact, measure benefits for local businesses, and provide data to guide future strategic planning.





Photo Credit: İzmir Metropolitan Municipality

İZMİR, TURKEY

UP2030 FINAL CONFERENCE

Alsancak District



Çelen Ayşe Ünal

Architect, İzmir Metropolitan Municipality



Izmir was awarded
the Mission Label
in 2024



Re-Value and İZPA (İzmir
Planning Agency) support
this effort through
strategic urban data
integration, local
stakeholder engagement,
and design studies for
İzmir's
Climate City Contract

Alsancak District: Coastal Resilience and Urban Quality





Alsancak Waterfront: It all started with a bad idea.



Demolition phase of the piers (2020-21)

Kordonboyu

seaside promenade in Alsancak

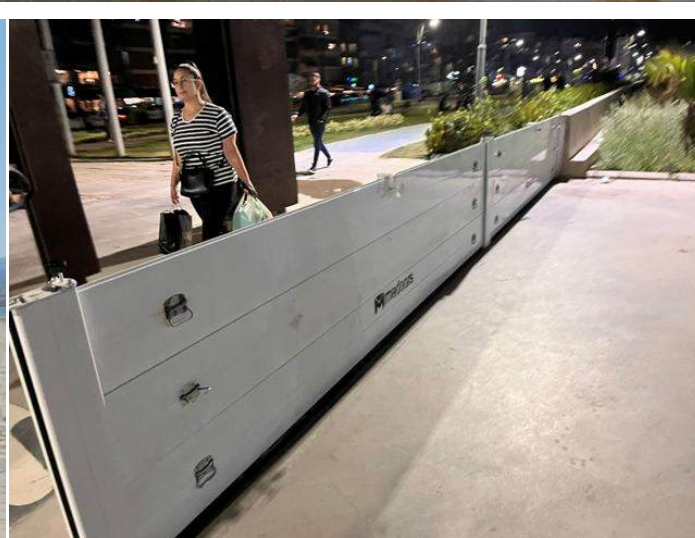


İzmirdeniz

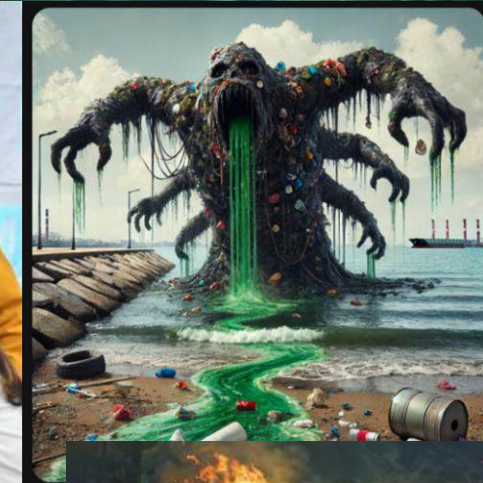
award-winning urban design and redevelopment plan for the waterfront (2011 - present)



Big Problems need Big (and Small) Solutions.

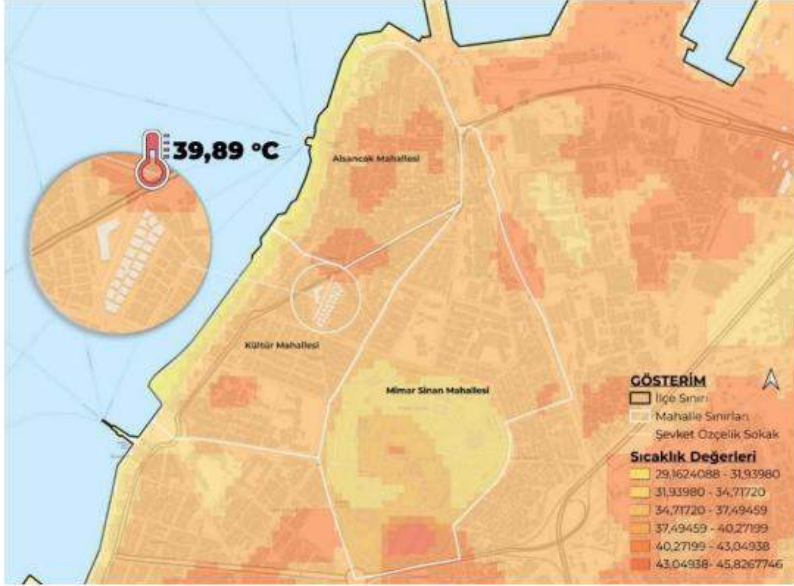


Innovation Camps



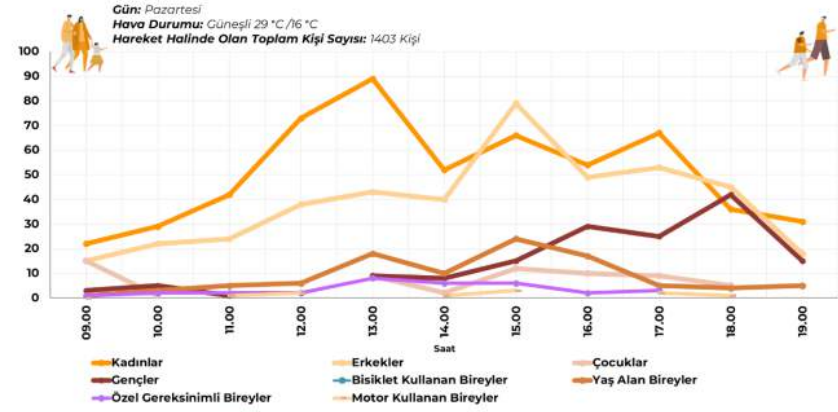
Citizen Design Science: Co-Identification



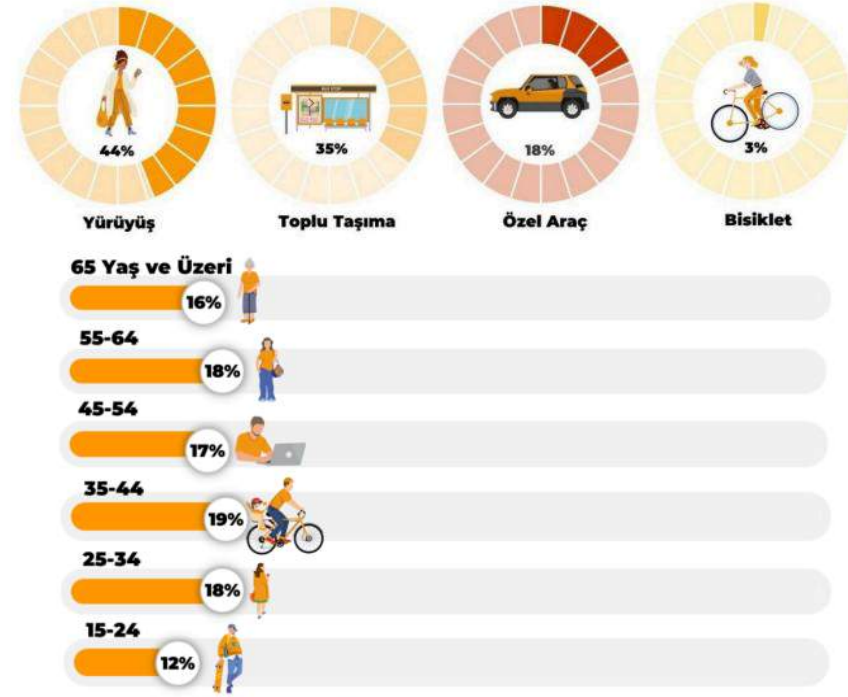


Şekil 6: Konaç İlçesi Yüzey Sıcaklığı Haritası

(Kaynak: Temmuz 2024 Landsat 8 Uydu Görüntüsü Verileri Kullanılarak QGIS Ortamında Oluşturulmuştur.)



Grafik 51: Pazartesi Günü Hareket Halinde Olan Kişilerin Dağılımı



Grafik 2: Katılımcıların Yaş Dağılımı



Digital Twin Roadmap & Next Steps

Innovation and future direction

Digital Twin Roadmap - Simplified Keywords Timeline



Developed under WP1 – IC2: Data-Driven Co-Creation

Digital Twin Roadmap Workshop (May 2025): defining data needs, governance, and co-creation pathways

Integration of citizen data, institutional inputs, and spatial analytics to support evidence-based decision-making

IZTECH (İzmir Institute of Technology) and İZPA (İzmir Planning Agency) plays a central role in coordinating urban data, aligning the roadmap with city strategies, and facilitating inter-departmental collaboration

Vision: A resilient and inclusive coastal city model for İzmir and beyond





Artistic Mission @ K lt rpark



Green Flag Award K lt rpark, Dept. of
Parks and Gardens IMM

K lt rpark, Alsancak through the eyes
of the students: Themes-Traces of
Everyday Life, Shadow and Light Play,
Imagine Mythology, Follow Patterns,
Discover Symbols, Details and Traces
of Time, Collect a Color Palette...





Artistic Mission @ K lt rpark
Grade School Approach



Sørsida

Kulturhavna

ÅLESUND, NORWAY

UP2030 FINAL CONFERENCE



Andreas Amundsen

Senior Advisor, Ålesund Municipality



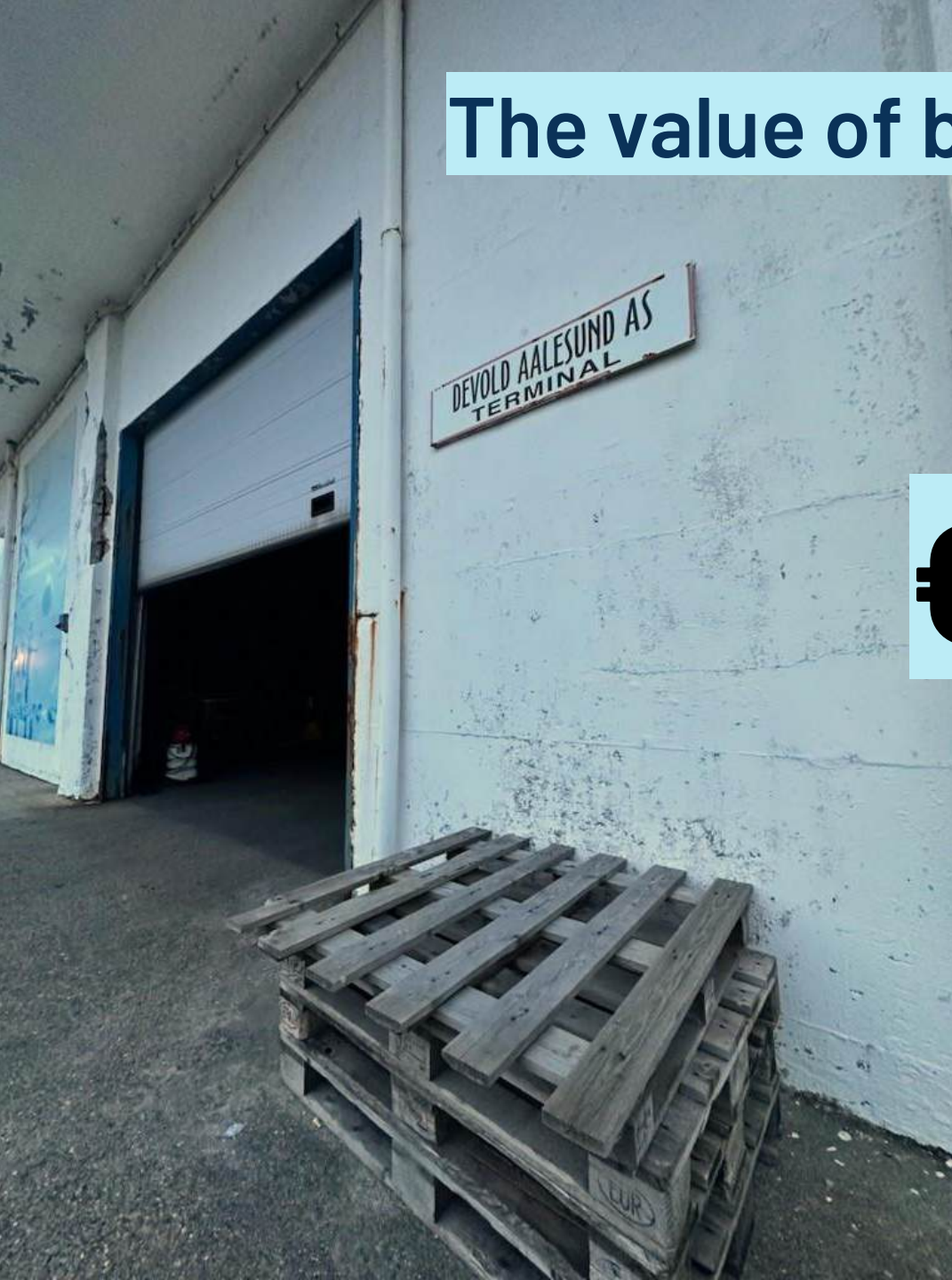


Hva er verdien av et levende bysamfunn?

En by kan aldri leve uten mennesker som fyller den med liv, skriver Victoria Lund.



The value of buildings and places?

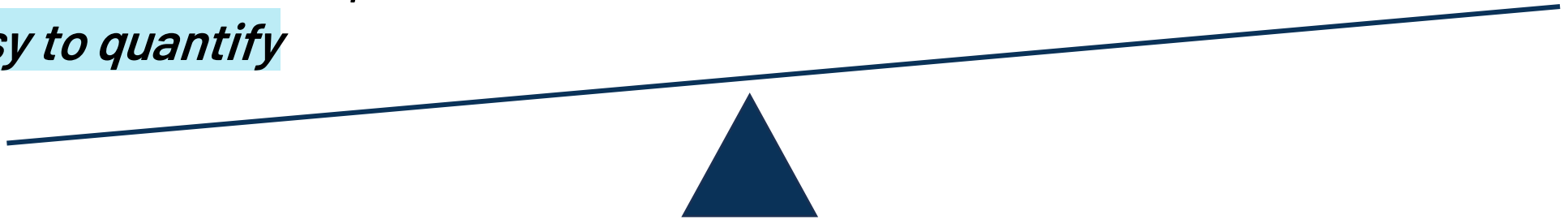


€?



Short-term gain for
selected stakeholders,
easy to quantify

Potential long-term
value for society,
hard to quantify





re-value-cities.eu



[@ReValueCities](https://www.linkedin.com/company/revaluecities)



[@re-value cities](https://www.instagram.com/re-value_cities)

re-value



Funded by
the European Union



Coming **UP** next

13:25 – 14:55

"The Tale of Two Cities": Participation and Engagement Tools for Urban Planning

Experiences from Budapest and Belfast

Level 1, Room A

Climate-Resilient Neighborhoods in Existing Urban Areas – Two Cities, Two Approaches, One Goal

Rotterdam & Münster

Level 1, Room B

Paving the Way: Strategic Integration of Climate Resilience in Urban Design and Planning through the co-creation of methodologies and guidelines.

Granollers & Milan

Level -1, Room C

From Ideas to Realisation, Obstacles, and Adaptation

Istanbul & Zagreb

Level -1, Room D

City ClimaQuiz – Discover the Prototypes

Thessaloniki, Lisbon and Rio de Janeiro

Plenary Room

15:05 – 15:40

Climate Action in Barcelona

Approach, Governance, and Resources

Plenary Room