



EUROPEAN WEEK OF
REGIONS & CITIES

2003 - 2022

Green Transformation for the Resilient Karşıyaka

New Challenges for
Europe's Cohesion



#EURegionsWeek





EUROPEAN WEEK OF
REGIONS & CITIES

2023 - 2022

New Challenges for Europe's Cohesion



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2023 - 2022

Karşıyaka District Green Infrastructure Design Approach

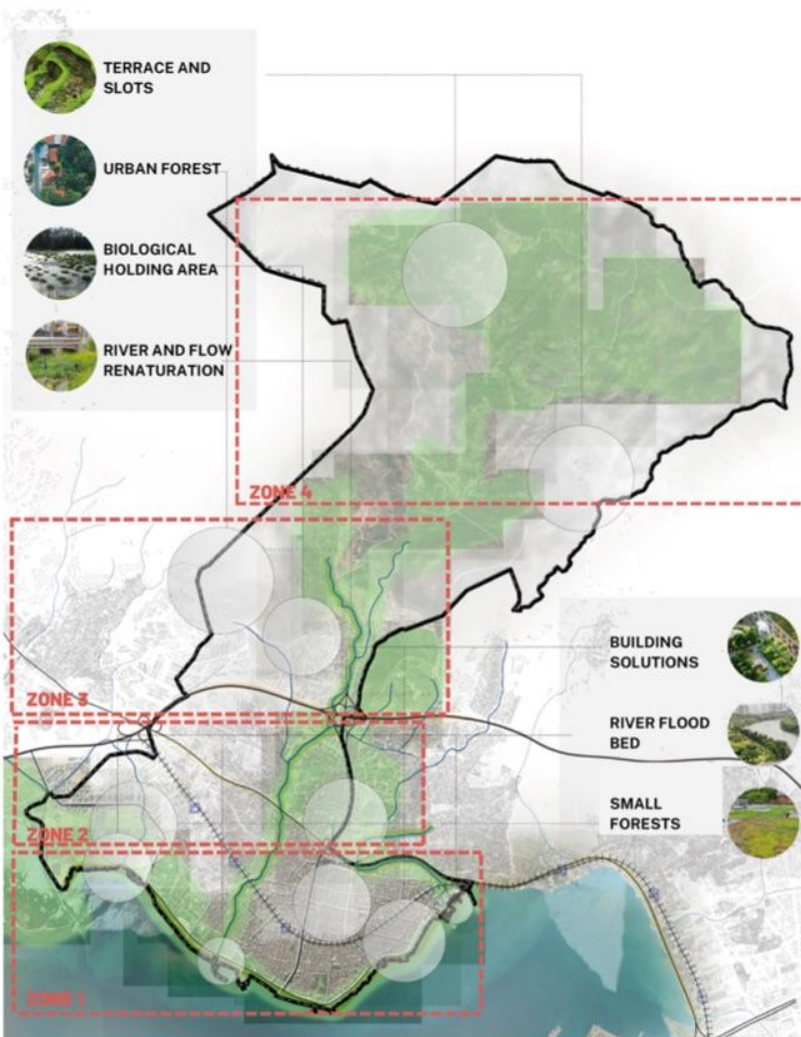
New Challenges for Europe's Cohesion

Zone -4-

- Increasing habitat quality
- Protecting biodiversity
- Developing habitats as a core area for supporting ecosystem services

Zone -2-

- Developing regulative functions of providing carbon services
- Absorbing run-off water
- Controlling stream flow



Zone -3-

- Entegrating Zone 1 and Zone 2
- Decreasing run off water
- Feeding under ground waters

Zone -1-

- Supporting recreational areas
- Decreasing flooding risk in the residential areas and seaside

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• ————— Flagship Projects ————— •

New Challenges for Europe's Cohesion



Micro Forest



Karşıyaka Urban Forest



Living Soil

• ————— Nature Based Solutions and Approaches ————— •



Soil Repair



Water Harvesting



Planting and Renewal Urban Trees



Green Resting Areas



Urban Carbon Sink



Trees Re-naturing Parking



Compost Production

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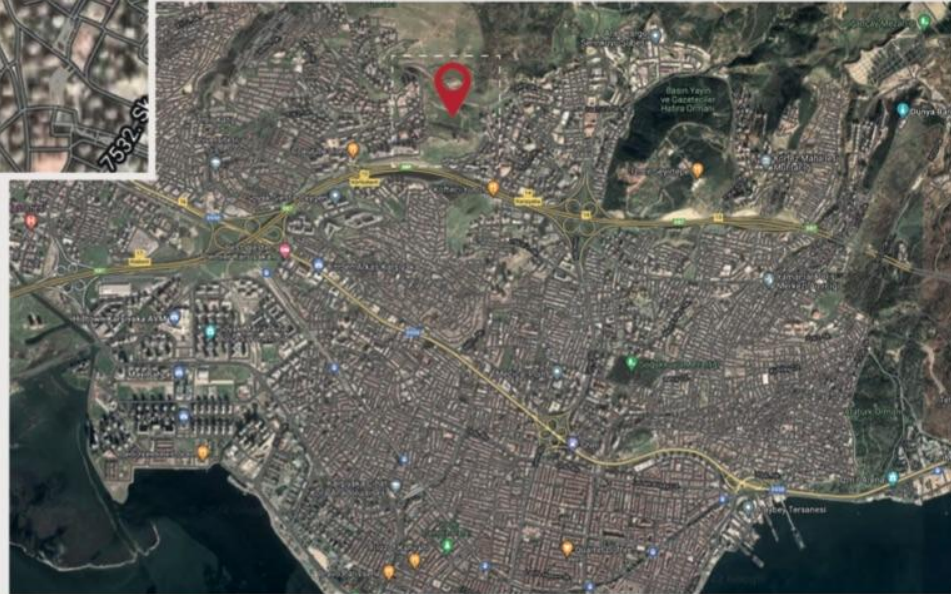


• ————— A Regeneration Project ————— •

New Challenges for Europe's Cohesion



230
Decares



Karşıyaka Urban Forest

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KARŞIYAKA URBAN FOREST

A Regeneration Project

New Challenges for
Europe's Cohesion

Strategies

 **Water Harvesting**

 **Soil Repair**

 **Functional Forestry**

 **Permaculture Design**

 **Social Participation**

Applications in the Field

 **2721**
saplings of
19 different types

 **103**
water
retention crescent

 **96**
ditches

 **630**
square meters
repaired soil

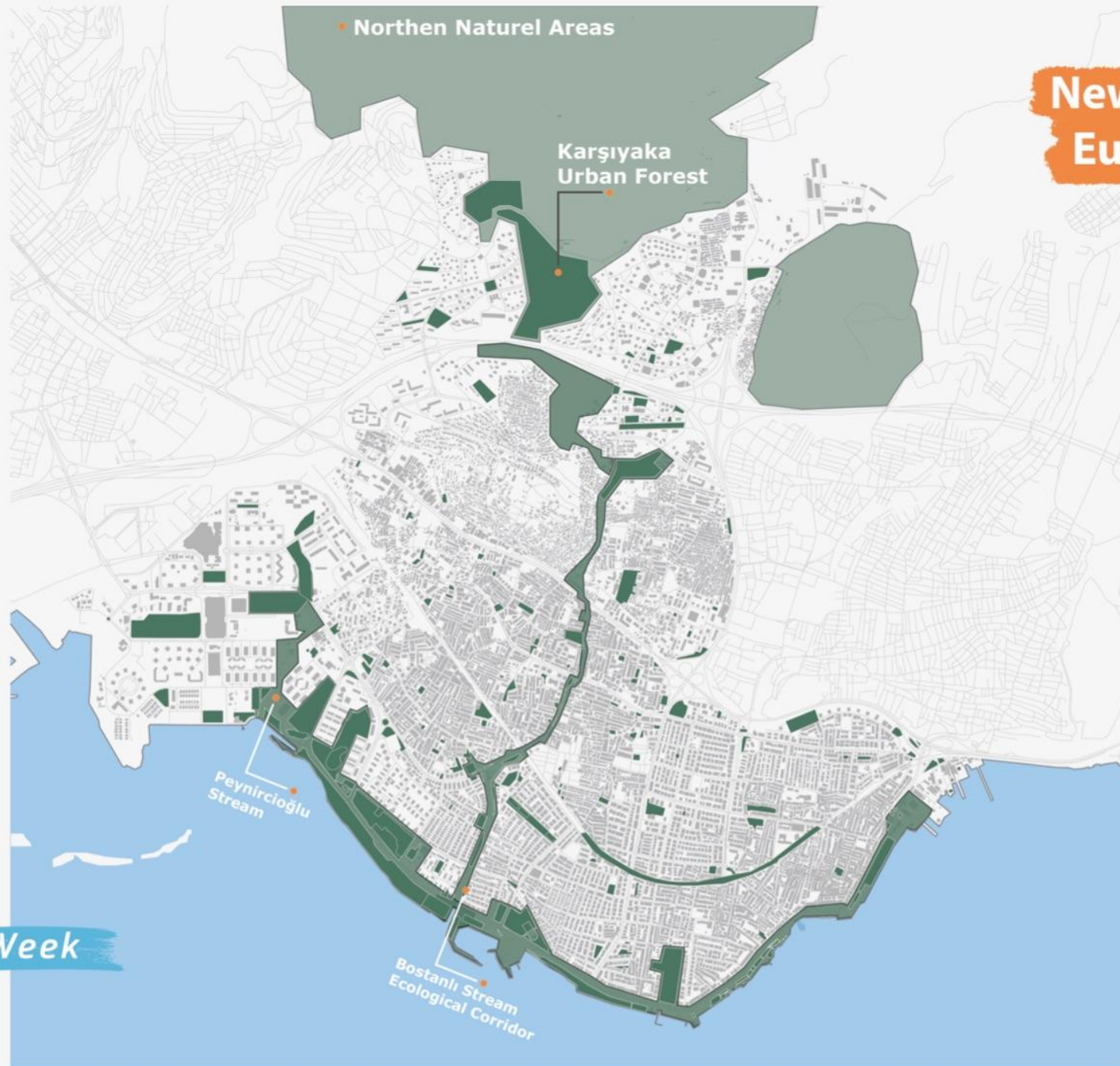
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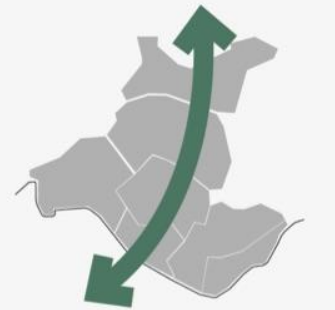


EUROPEAN WEEK OF
REGIONS & CITIES

2023 - 2024



New Challenges for Europe's Cohesion



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EUROPEAN WEEK OF
REGIONS & CITIES

2023 - 2024

KARŞIYAKA URBAN FOREST

New Challenges for
Europe's Cohesion



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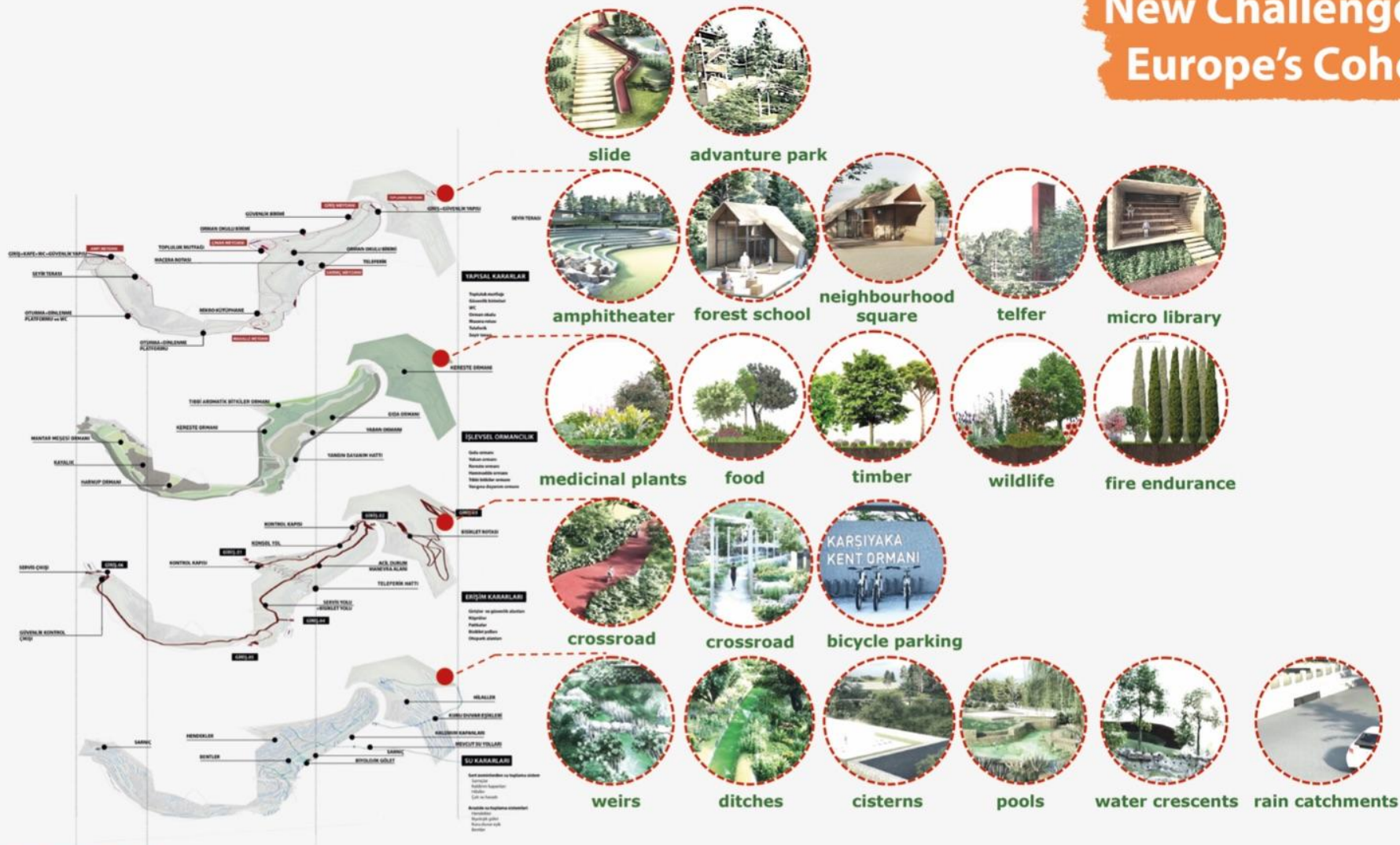


EUROPEAN WEEK OF
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2003 - 2022

KARŞIYAKA URBAN FOREST

New Challenges for
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KARŞIYAKA URBAN FOREST

New Challenges for
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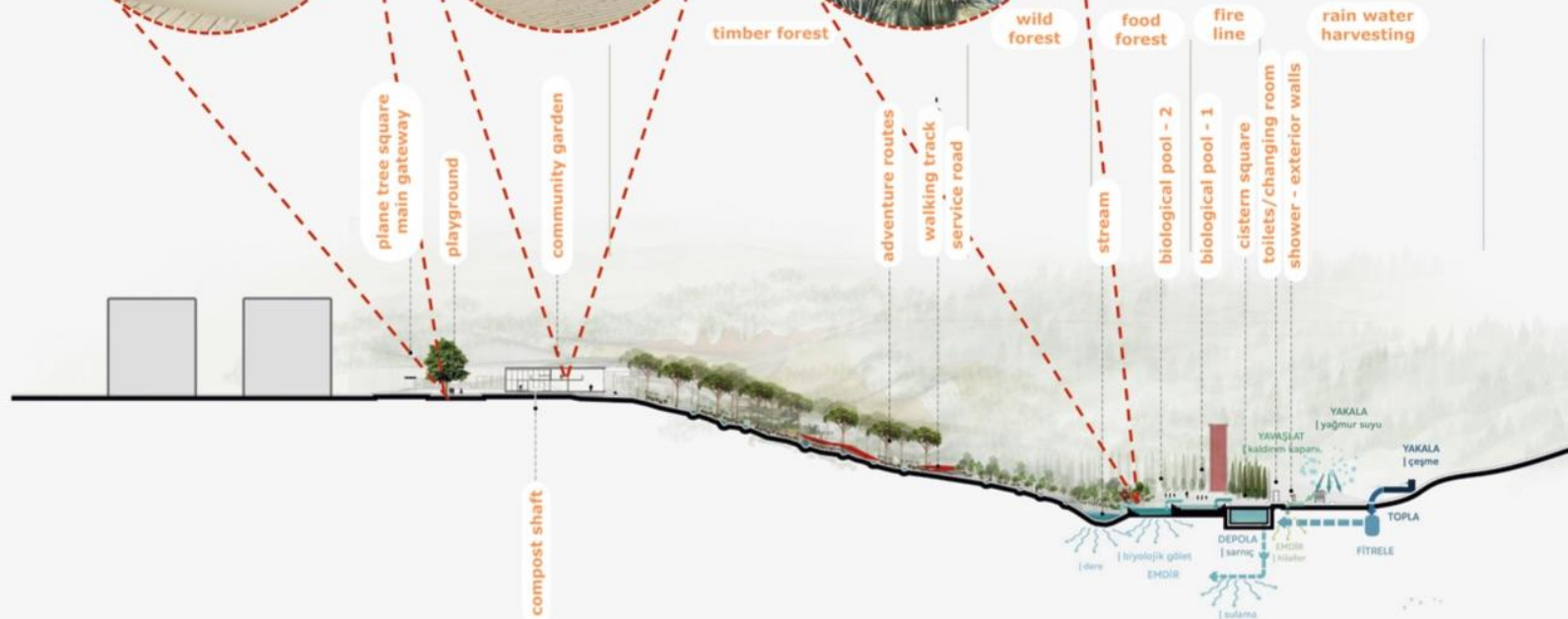
Playground



Community
Kitchen



Biological
Pools



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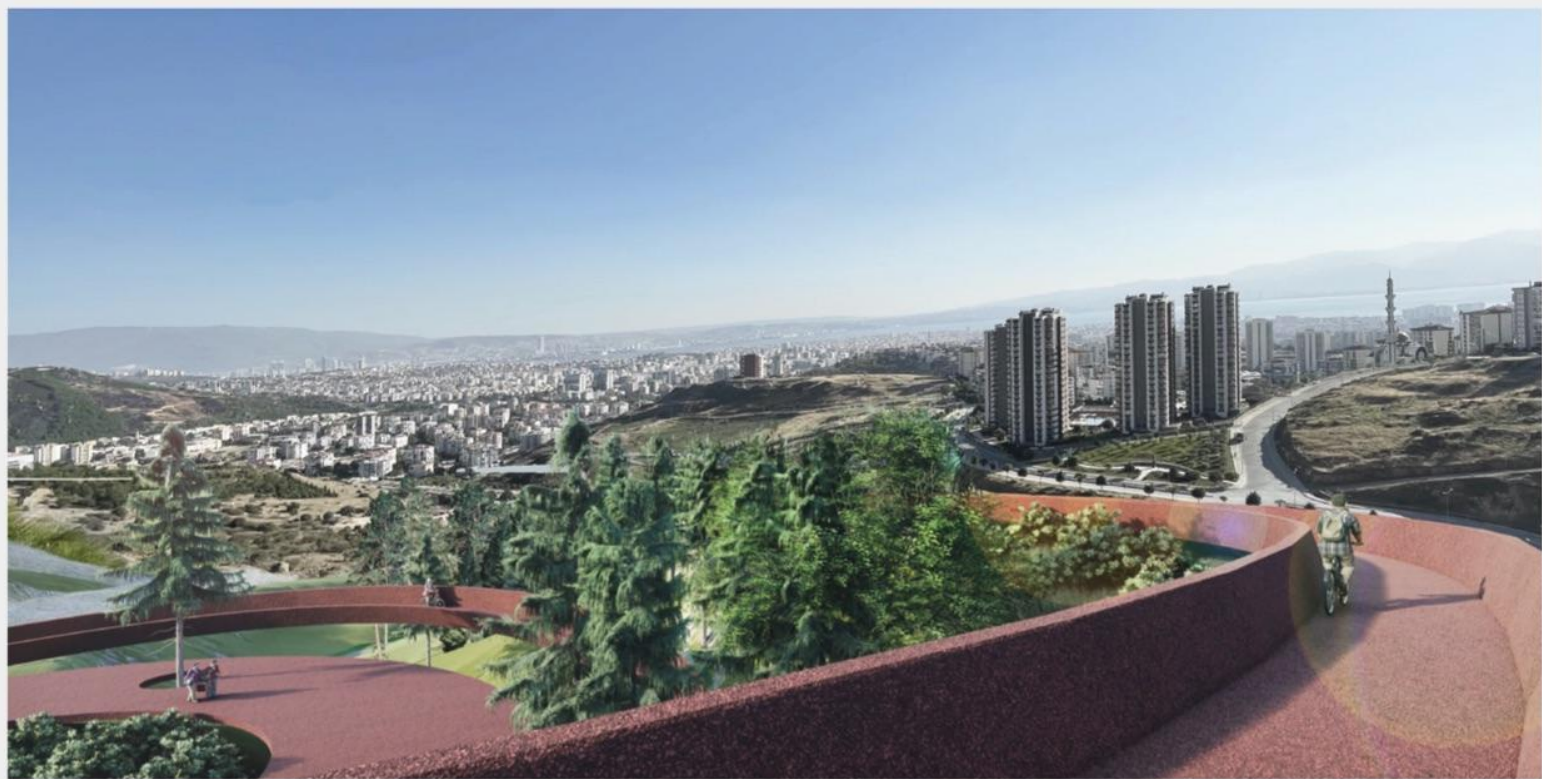


EUROPEAN WEEK OF
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• ————— KARŞIYAKA URBAN FOREST ————— •

**New Challenges for
Europe's Cohesion**



Fridges Connecting Urban and the Nature

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New Challenges for
Europe's Cohesion



Adventure Routes and Natural Playgrounds

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EUROPEAN WEEK OF
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New Challenges for
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Biological Pools, Cistern and Telfer

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New Challenges for
Europe's Cohesion



Forest School and Bends on the Stream

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New Challenges for
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Community Square, Food Garden and Climbing Area

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• ————— KARŞIYAKA URBAN FOREST ————— •

New Challenges for
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Open Theater, Cistern, Dry Pool and Terraces

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New Challenges for
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Active Life Viewing Terrace

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KARŞIYAKA URBAN FOREST

New Challenges for
Europe's Cohesion



Compost Demonstration Areas

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EUROPEAN WEEK OF
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FOOD CRISIS

New Challenges for
Europe's Cohesion



Karşıyaka Food
Strategy Document



Food Center of
Bahçelievler Marketplace



Implementation
Gardens of Nursery School



Food Garden



School of
Culinary Arts

Zero Waste Kitchen

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Seed
Center



Neighbourhood
Garden





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● ————— Food Center of Bahçelievler Marketplace ————— ●

**New Challenges for
Europe's Cohesion**



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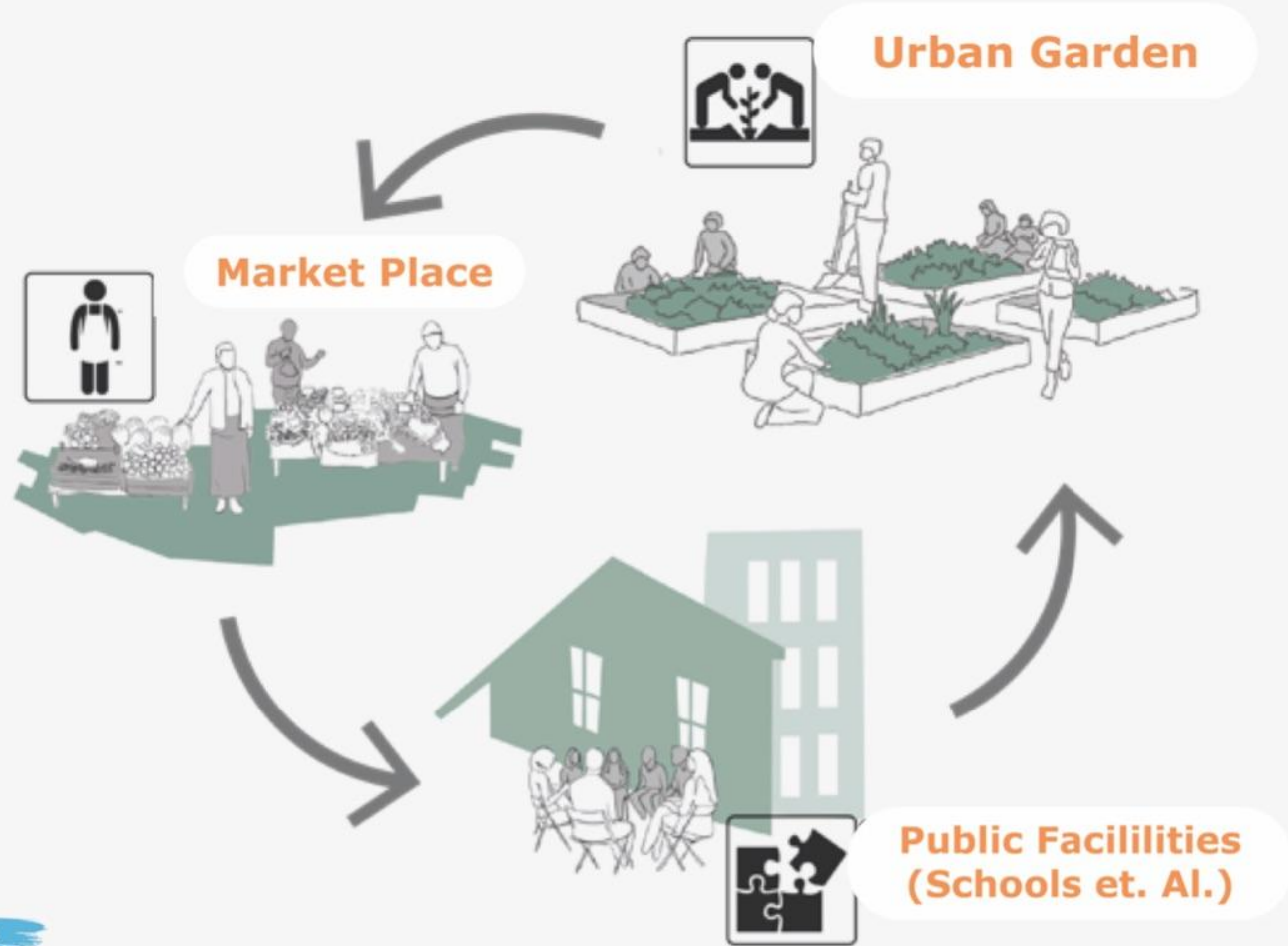


EUROPEAN WEEK OF
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• Roof Garden of Bahçelievler Marketplace •

New Challenges for
Europe's Cohesion



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EUROPEAN WEEK OF
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2023 - 2022

• ————— Roof Garden of Bahçelievler Marketplace ————— •

**New Challenges for
Europe's Cohesion**



Sharing



Learning



Celebrating



Food Garden

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Roof Garden of Bahçelievler Marketplace

New Challenges for
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New Challenges for
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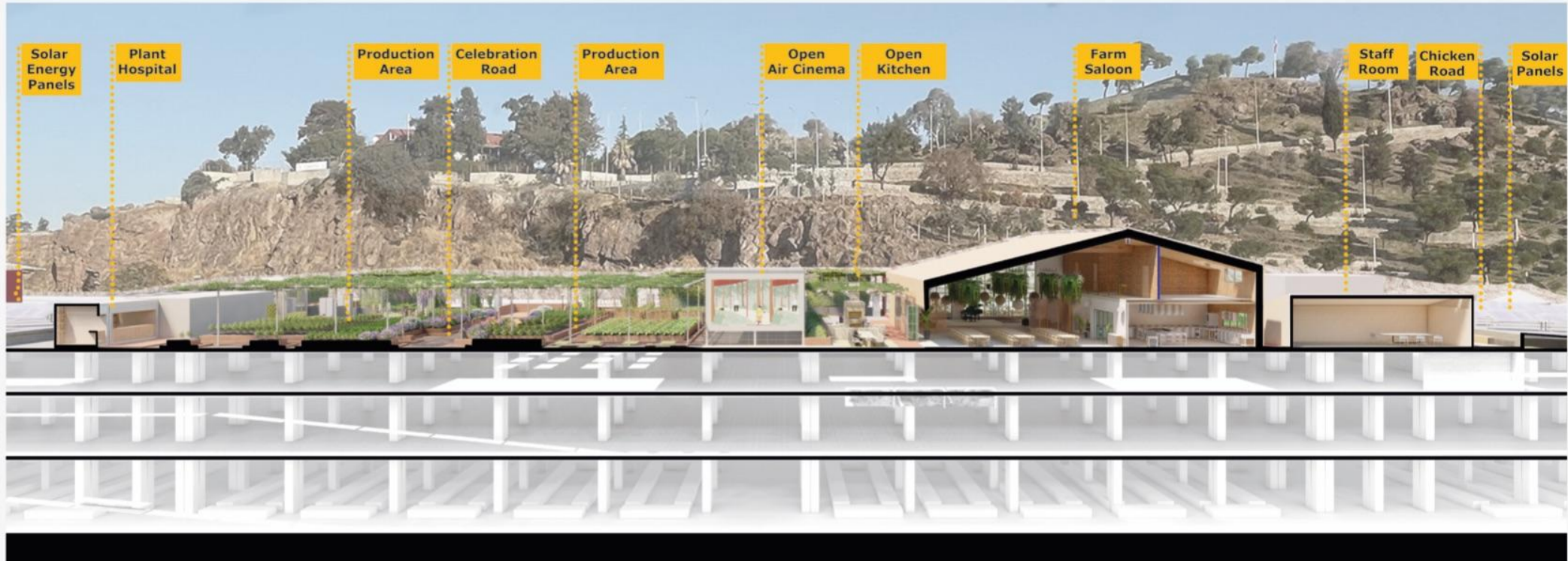


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• ————— Roof Garden of Bahçelievler Marketplace ————— •

New Challenges for
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• ————— Roof Garden of Bahçelievler Marketplace ————— •

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Roof Garden of Bahçelievler Marketplace

New Challenges for
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ENERGY CRISIS

New Challenges for
Europe's Cohesion



Shared Mobility
Solutions



Renewal Energy
Resources



Positive Energy
Districts



e-scooter | KUMRU



Solar Energy Power Plant



Karşıyaka Geothermal Project



PED-ACT

"Auto characterization of
PEDs for digital references towards
iterative process optimisation"

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• — ENERGY CRISIS — •

New Challenges for
Europe's Cohesion

PED-ACT

*"Auto characterization of PEDs for digital references
towards iterative process optimisation"*

Starting Time: October 2022 | **Expected End:** October 2025 | **Type:** Research Project

Aim: *PED-ACT starts to extract the main characterization of PEDs automatically by machine learning approaches through database development of extensive existing PEDs. For the project, data will be collected from 9 neighbourhoods in Karşıyaka to generate the model.*

Partners: *Participative countries (Austria, Sweden, Turkey) with 13 public, private and academic institutions.*

Role of the Karşıyaka Municipality: *Co-operation partner*

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DATA-DRIVEN GOVERNANCE AND MANAGEMENT

New Challenges for Europe's Cohesion



Co-Design



Co-Production



Co-Impact



Co-Management

Data-driven governance and management

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