

# İSTANBUL ROAD SAFETY POLICIES

SERAP ÇETİNKAYA  
TRAFFIC DIRECTORATE



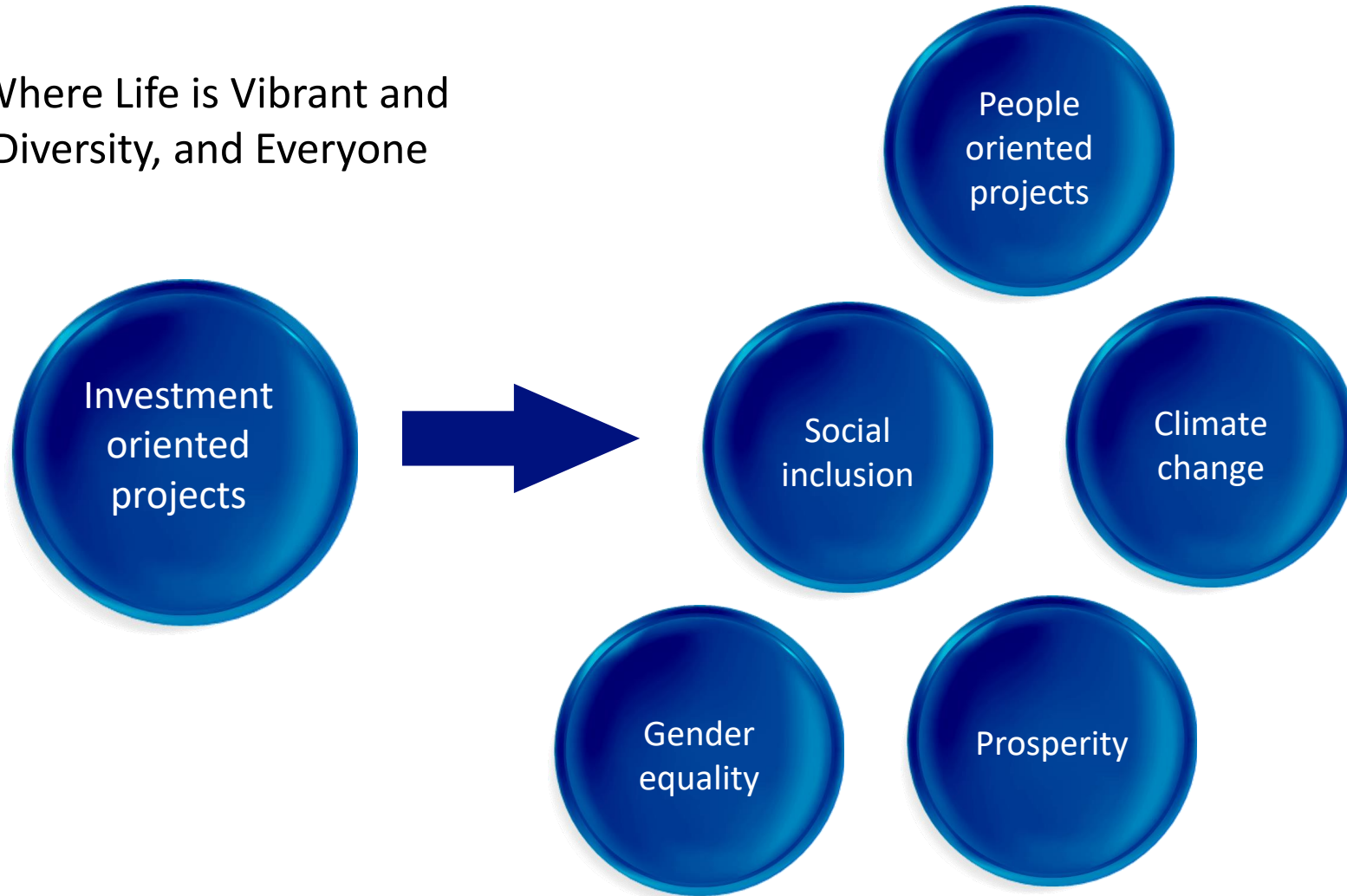
TRANSPORTATION  
DEPARTMENT



IMM  
TRANSPORTATION

# İSTANBUL VISION 2050

The World City Where Life is Vibrant and Free with All Its Diversity, and Everyone Lives Well



# İSTANBUL SUMP

SUMP study was launched to the public on 28 March 2022 by IMM Mayor Ekrem İmamoğlu.

Within the frame of that study, 25 workshops have been organized and 255 stakeholders participated.



# İSTANBUL SUMP STUDY STRATEGIES WERE DEVELOPED UNDER 3 THEMES

## Theme

# 1

### Transition to Low Carbon

#### Policies

Low Emission Zones  
Decarbonisation of the Public Transport Fleet and Vehicles  
Walking  
Cycling  
Healthy Streets  
Micro-Mobility

#### Core Projects

Low Emission Zone  
Metrobus Decarbonisation  
Decarbonisation of the Public Transport Bus Fleet  
Cycle Feeder Routes  
Pedestrian Routes  
Traffic Calming  
Junction improvements for pedestrians and cyclists  
E-bikes and e-scooters



# ISTANBUL SUMP STUDY STRATEGIES WERE DEVELOPED UNDER 3 THEMES

## Theme

# 2

### Seamless Transfer and Integration

#### Policies

- Extension of railway lines
- Improving accessibility to the rail and BRT networks
- Minibus transformation
- Improvement of the other modes

#### Core Projects

- Rail network extension
- Istanbulkart extension to include minibus operations
- Istanbul Network Management Control Centre
- Bus lanes
- Minibus feeder routes
- Passenger sea transport - fleet renewal
- Extension of Transfer Centres
- Extension of Real-Time Passenger Information and Open Data
- Bus Service/Frequency Improvement Programme
- Park and Ride Facilities



# İSTANBUL SUMP STUDY STRATEGIES WERE DEVELOPED UNDER 3 THEMES

## Theme

# 3

### Reducing Congestion

#### Policies

Parking and Road Usage Regulation  
Mobility Management  
Urban Freight Demand Management  
Road Network Management

#### Core Projects

Congestion Charging  
Extension of Parking Regulation  
Residents' Parking Permit System  
Introduction of an Automated Payment System for Parking  
Reorganisation of Parking Regulation Enforcement  
Implementation of Institutional Mobility Management  
Construction Concentration Centres  
Neighbourhood Mobility Service Centres



# C40 GREAT CITIES CLIMATE LEADERSHIP GROUP

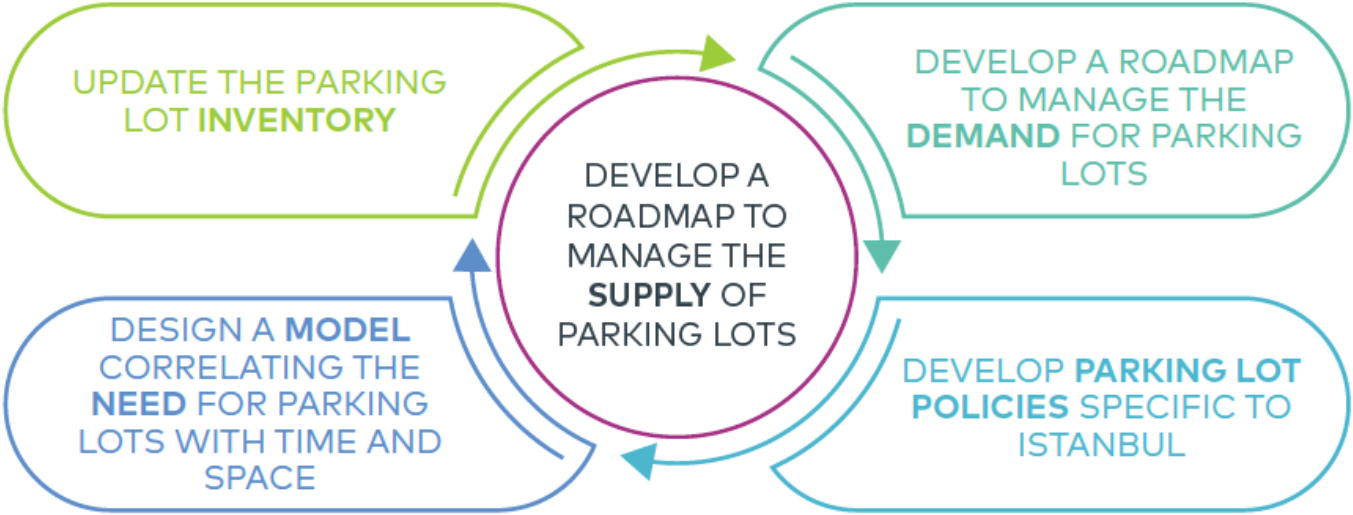
With the "Deadline 2020" Commitment, Istanbul has accepted its target of being a "carbon neutral" and "resilient city" for the year 2050

## PEDESTRIAN TRANSPORTATION MASTER PLAN

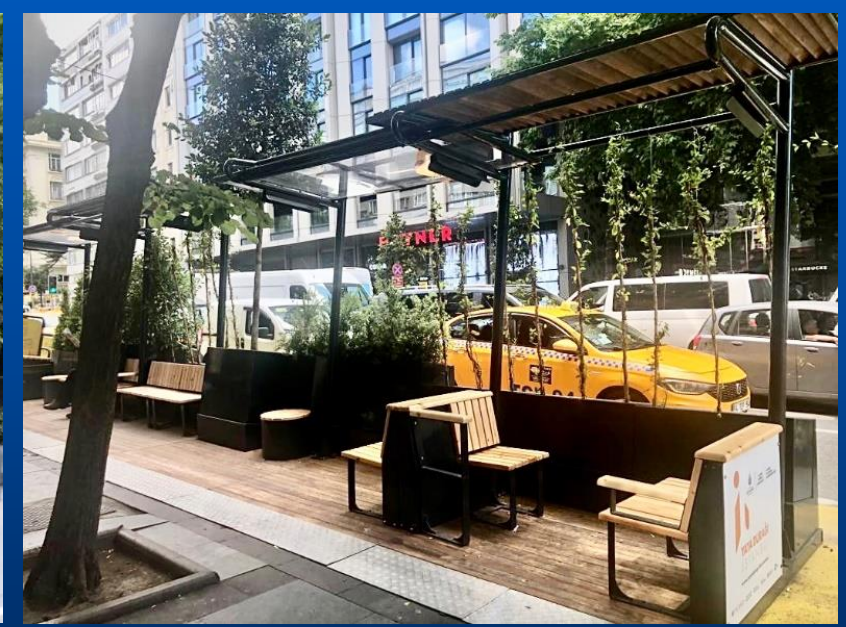
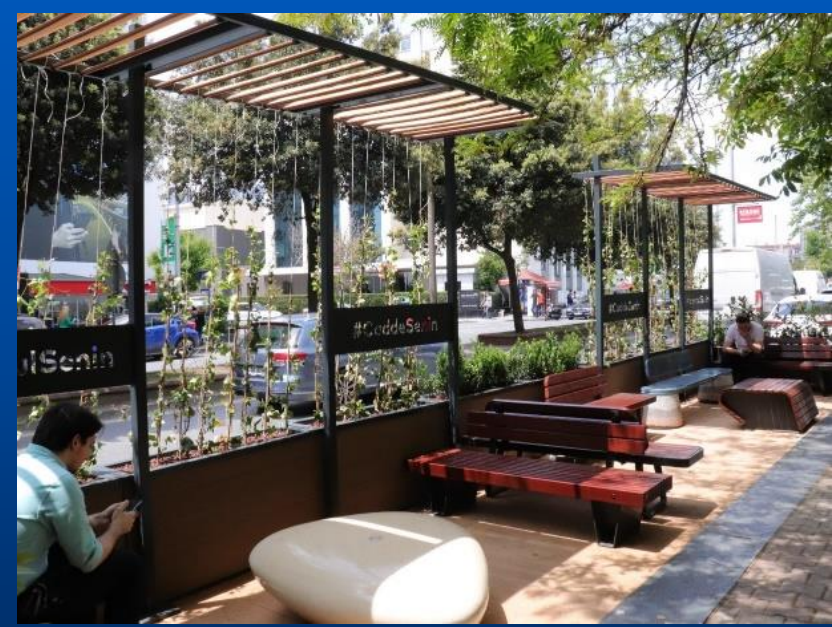
*Istanbul Pedestrian Transportation Master Plan was prepared with the vision of 'Walking More Together for Fair, Non-disabled and Safe Istanbul'.*



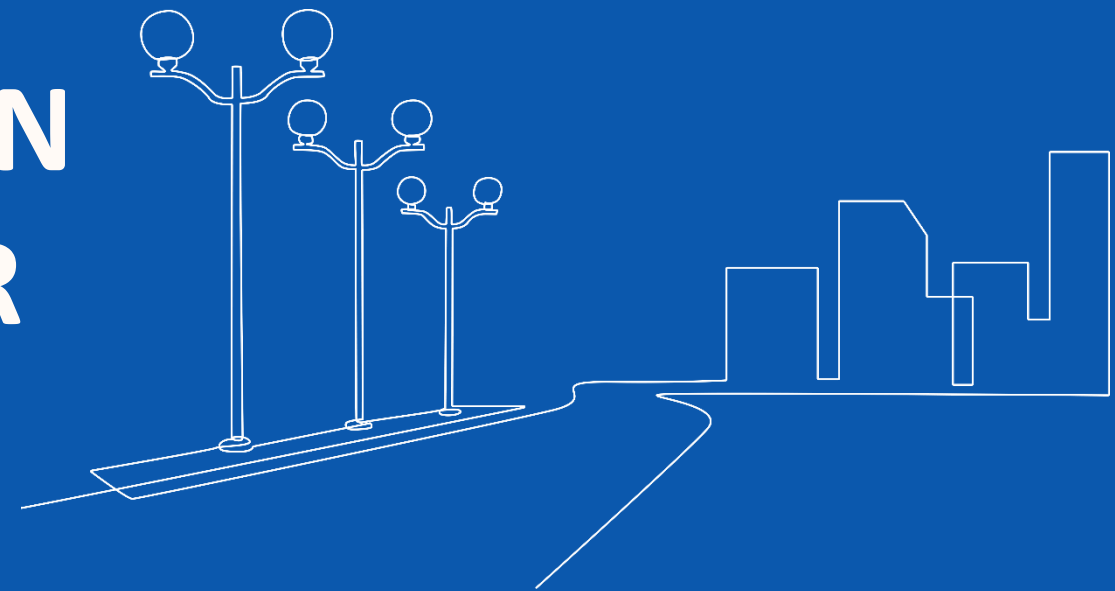
# PARKING MASTER PLAN





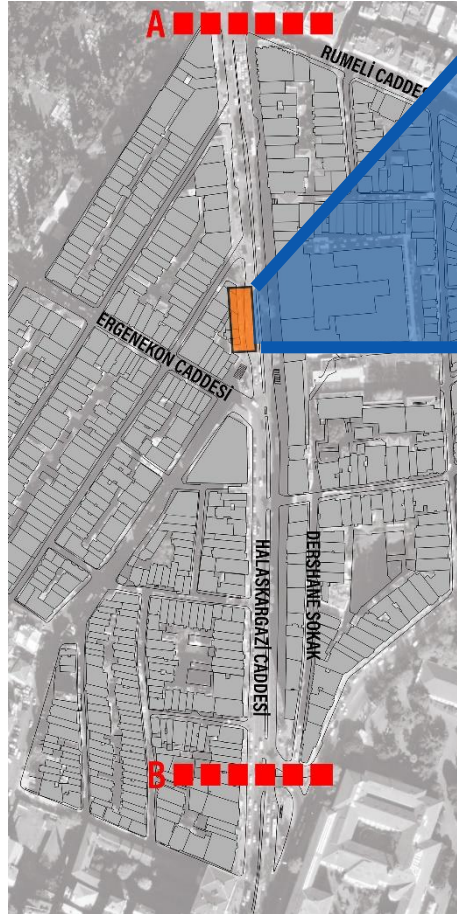


# STREET DESIGN PROJECTS FOR SAFETY



# A FIRST IN ISTANBUL: PEDESTRIAN STOPS

## Pedestrian stops (Halaskargazi, Şişli)



The "Pedestrian Stop - Parklet" project was realized with the support of the Healthy Cities Partnership in cooperation with Istanbul Metropolitan Municipality (IBB) and WRI Turkey Sustainable Cities.

- ✓ **Start-Finish Date;** October 2020-June 2022
- ✓ **Dimensions:** 12.00m X 2.40m X h:3.00m
- ✓ Three parallel on-street parking spaces were converted for three cars.
- ✓ Speed limit reduced from 50km/h to 40km/h.

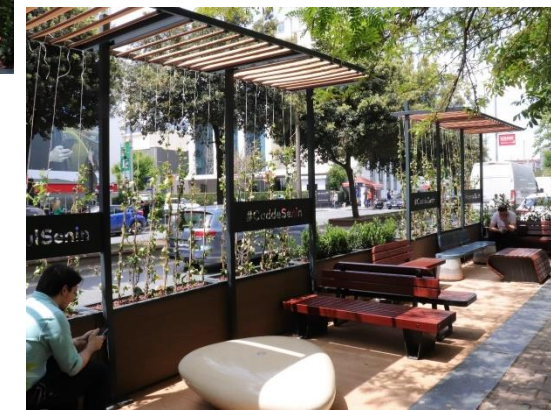
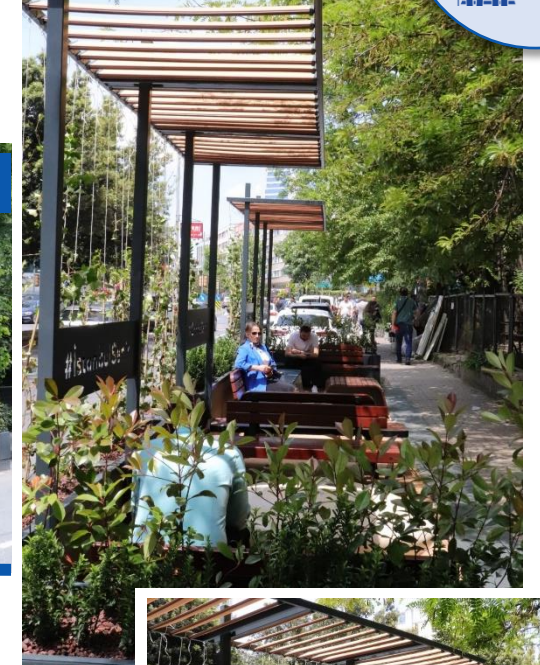


Pedestrian Stop 1



# A FIRST IN ISTANBUL: PEDESTRIAN STOPS

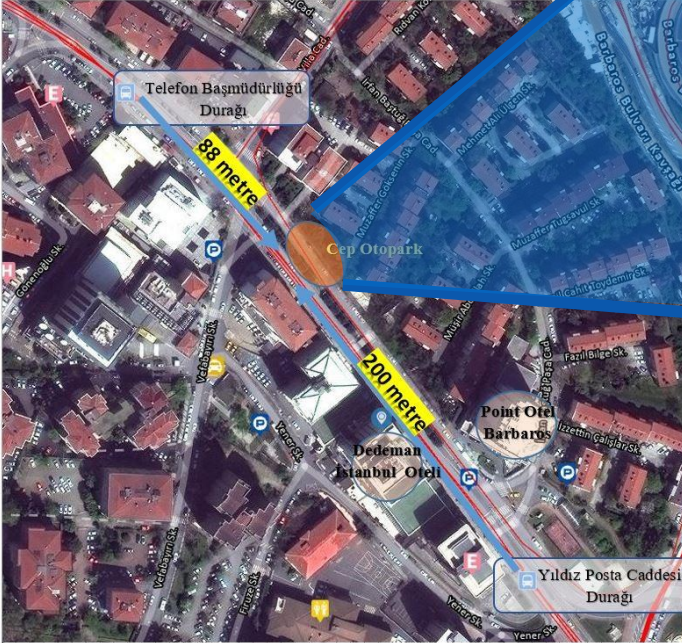
## Pedestrian stops (Yıldız Posta, Şişli)



Pedestrian Stop 2

Pedestrian Stop 2 project was realized by Transportation Planning Directorate within the scope of Pedestrian Stop (Parklet) Unit Procurement Work.

- ✓ **Start-Finish Date;** 2023 January-2023 May
- ✓ **Dimensions:** 12.00m X 2.40m X h:3.00m
- ✓ Three parallel on-street parking spaces were converted for three cars



# MOBILE PEDESTRIAN STOP APPLICATION

2021

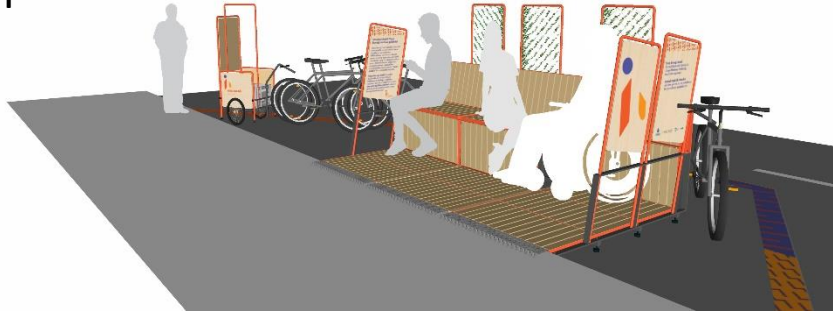
Üsküdar Hakimiye Milliye Street  
Beşiktaş İhlamurdere Street  
Şişli Abdi İpekçi Street  
Şişli Halaskargazi Street

2022

Tuzla Life Valley Interactive Area Application  
Kadıköy (WRI Livable Cities Symposium)

2023

MARUF



# PEDESTRIAN STOPS ISTANBUL-WIDE

Citizen requests are prioritized according to a 5-variable model via [www.yayaduragi.ibb.istanbul](http://www.yayaduragi.ibb.istanbul)

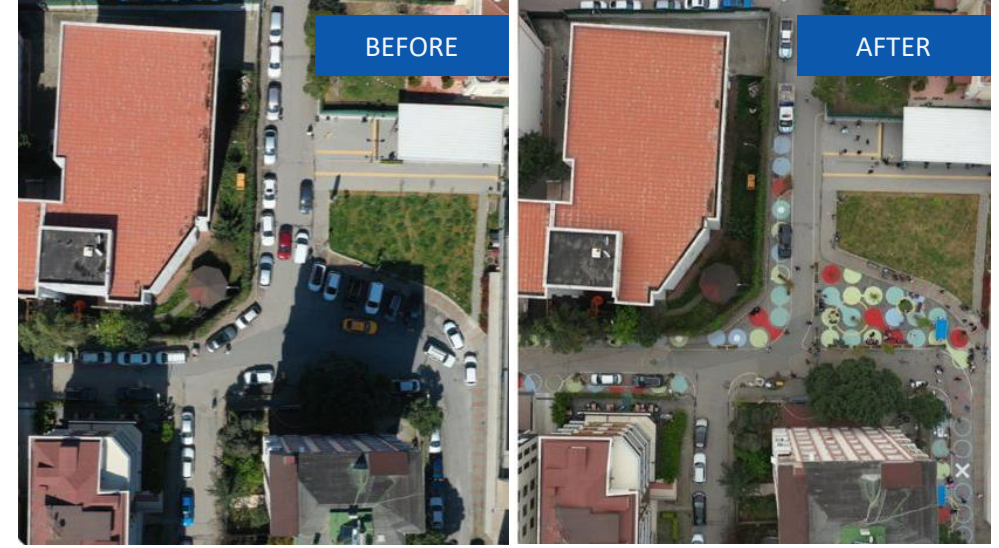
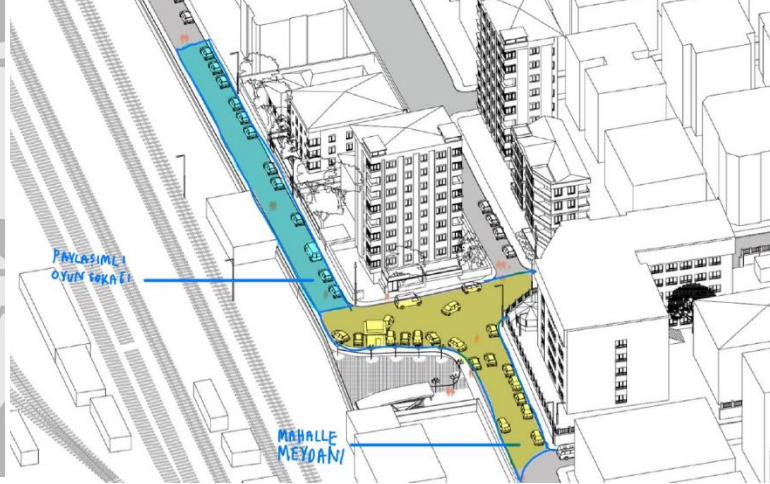
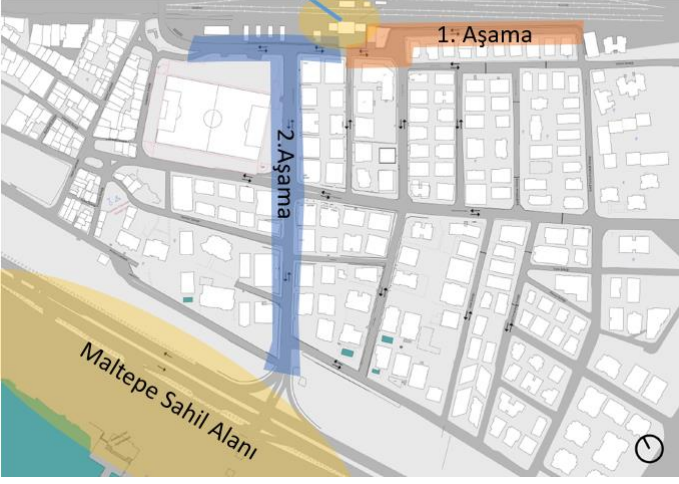


- ✓ on-street parking,
- ✓ pedestrian density,
- ✓ traffic safety,
- ✓ transportation integration,
- ✓ land use type.



# YALI NEIGHBORHOOD TACTICAL URBANIZATION PROJECT (1ST STAGE)

Maltepe Marmaray İstasyonu



- İstasyon Street and Şehir Nedim Özpolat Street axis
- Phase 1: Onur Street, Child Friendly Street application
- NACTO, Superpool, IMM and Maltepe Municipality



## Application:

- Widening sidewalks, Narrowing lane,
- Floor pattern application,
- 20 km/h speed limit

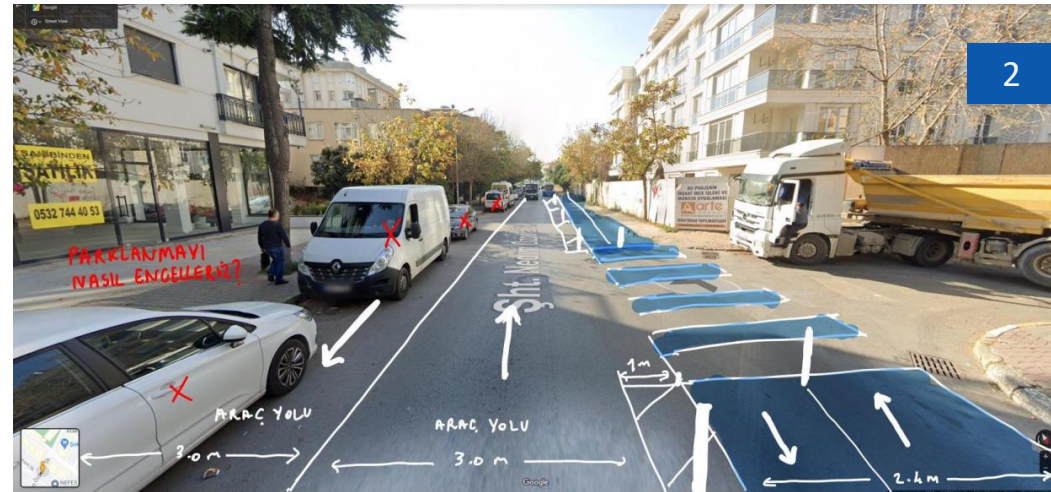
*\*Bernard van Leer Foundation's Urban95 program*

# YALI NEIGHBORHOOD TACTICAL URBANIZATION PROJECT (2ND STAGE)

Improving train feeding modes (scooters, bicycles and pedestrians).

## Application:

- Traffic calming,
- Safety of pedestrian transportation (signs, speed breakers and geometric arrangement)



\*TÜBİTAK / ERA-NET Project

# BİNBAŞI NECATİBEY PRIMARY SCHOOL SAFE SCHOOL PROJECT MALTEPE, CEVIZLI

- Creating safe school routes
- Recovering the street for pleasant public spaces

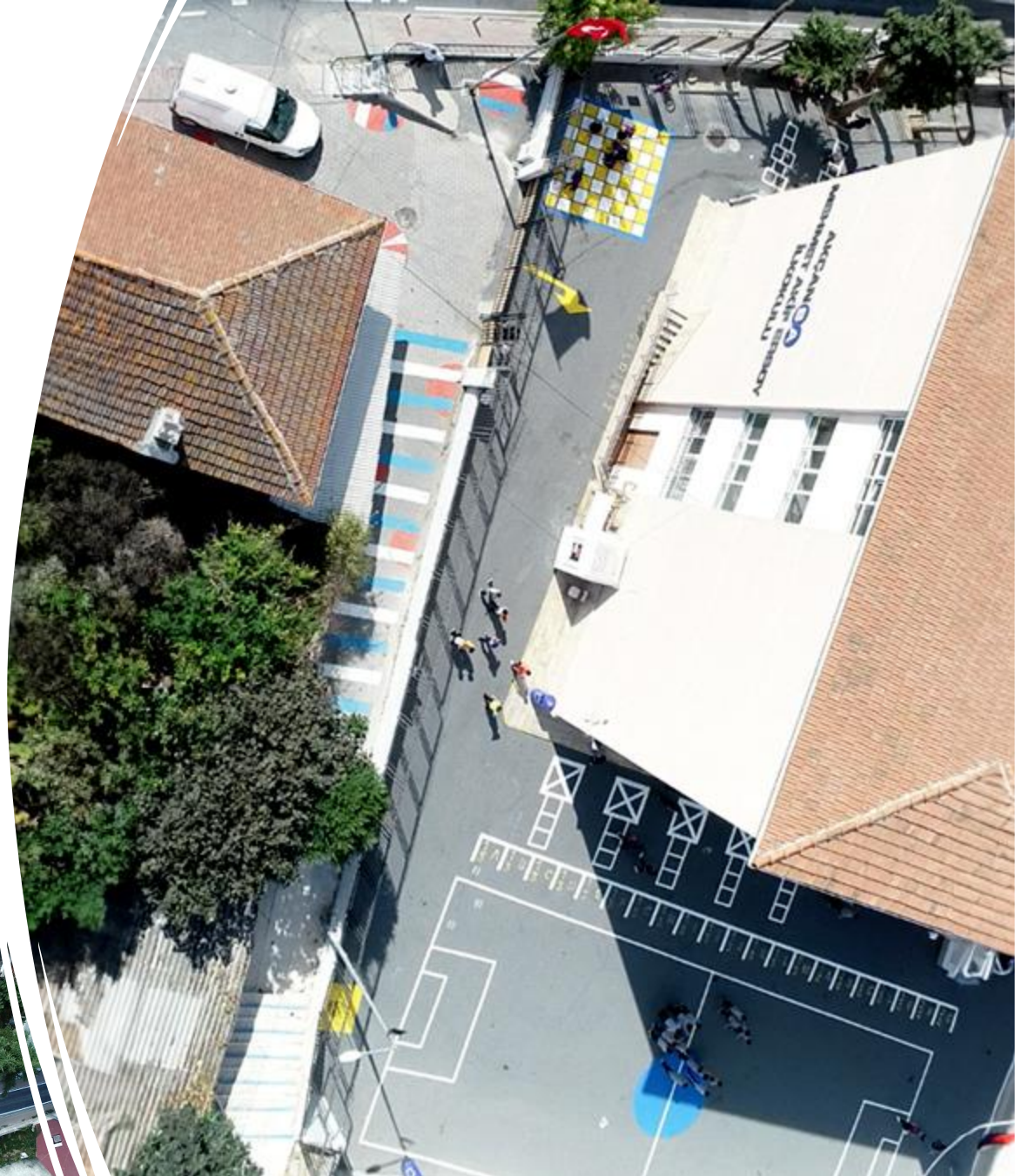


*\*Global Designing Cities Initiative (GDCI), Street for kids Leadership Accelerator*

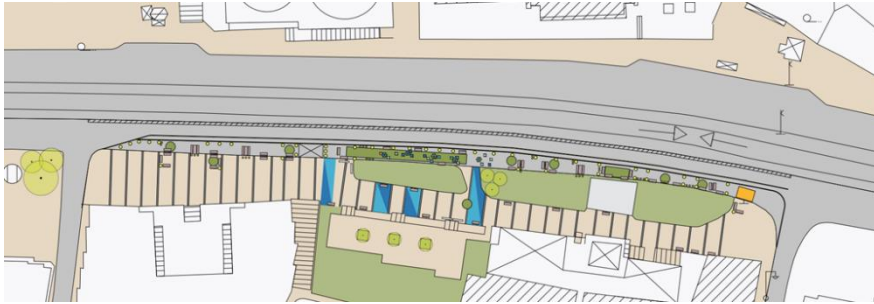


# AKÇANSA MEHMET AKİF ERSOY PRIMARY SCHOOL SAFE SCHOOL PROJECT

- We reduced the vehicle speed limit
- Increased pedestrian areas (+120 m<sup>2</sup>)
- We prevented heavy vehicles from entering the school zone



# SLOW DOWN AND EXPLORE ACTIVITIES (LALELI, FATI H)



**Start-End Date:** 03-04 2021

**Total Area:** 2150 m<sup>2</sup>

**New Pedestrian Area:** 623 m<sup>2</sup>

**Bicycle path:** 146 m

- Results:**
- ✓ A participatory process was ensured in planning with temporary applications between the planning and implementation phases, and user needs were observed on site.
  - ✓ Between the planning and implementation phases, public spaces were created where city users could enjoy their time.
  - ✓ There was a 34% increase in the use of the pedestrianized area and a 14% increase in the number of people spending time in the area.





# **INTERNATIONAL COLLABORATIONS**



# EIT UM AND EU PROJECTS & COLLABORATIONS



VITAL PROJECT



ROADMAPS FOR ENERGY®

ROADMAPS FOR ENERGY PROJECT



CAROLINA PROJECT



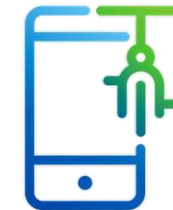
TRAFFIC EXCELLENCE PROJECT



CLEANERGY FOR MICROMOBILITY PROJECT



RAPTOR PROJECT



BICIFICATION

BICIFICATION PROJECT



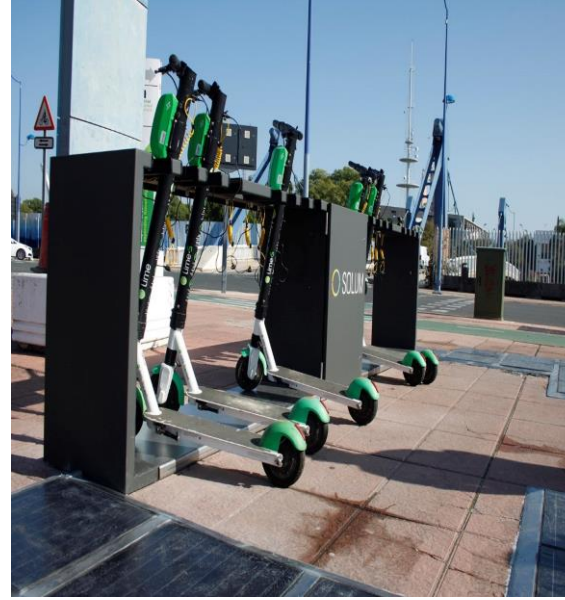
Horizon Europe

THE NEXT EU RESEARCH & INNOVATION PROGRAMME (2021 – 2027)



# EIT UM AND EU PROJECTS & COLLABORATIONS

- BICIFICATION
- CLEANERGY 4 MICROMOBILITY
- RECIPROCITY
- RAPTOR
- AI4LIFE
- EUROPEAN MOBILITY WEEK



**RAPTOR** 

**RECIPROCITY** 



Co-funded by the  
European Union





# INNOVATIVE TECHNOLOGIES

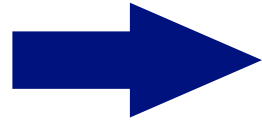


# AI DATA ANALYTICS FOR TRAFFIC

Enhancing road safety, reducing congestion and improving the overall efficiency of transportation systems in urban areas.

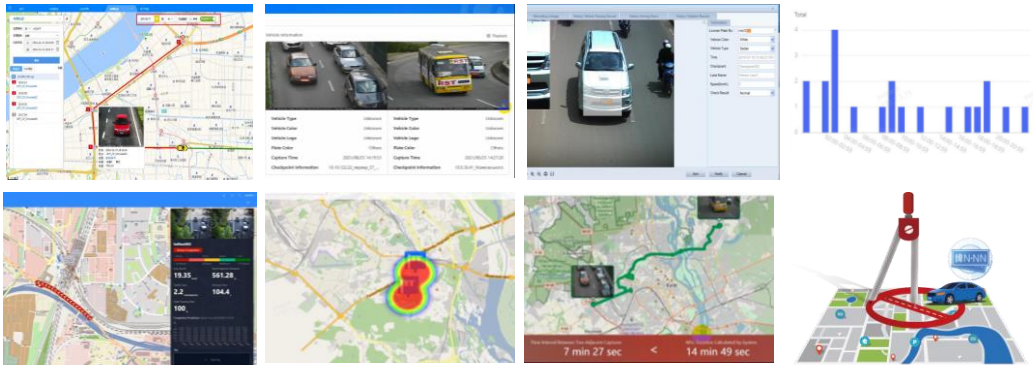
## Application:

- Data collection-processing
- Traffic prediction
- Adaptive signal control
- Anomaly detection
- Data visualization
- Decision support



## Goals:

- Early warning systems
- Predictive analysis
- Reduce traffic congestion
- Pedestrian and cyclist safety
- Infrastructure improvement
- Incident response
- Real-time intersection analysis (capacity, queue length, storage length, calibration and management)





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