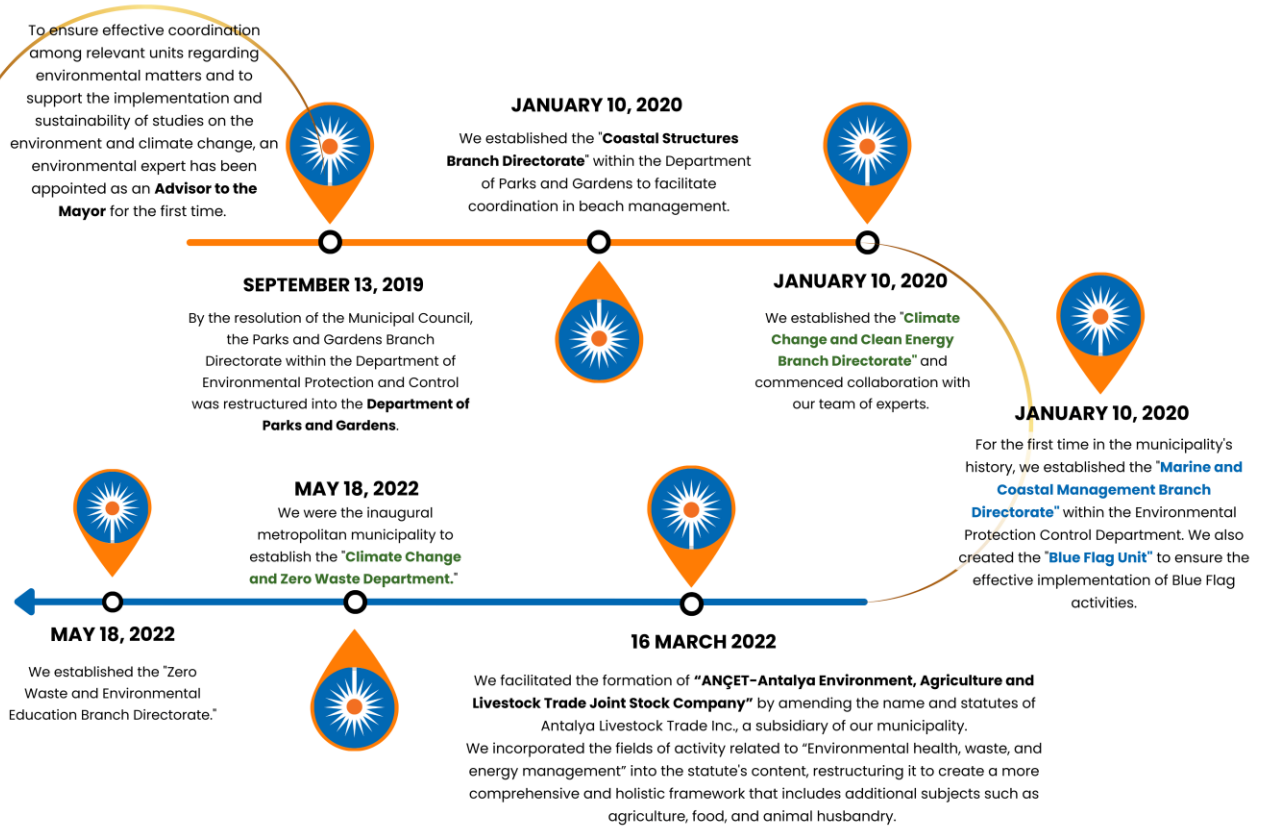


INSTITUTIONAL ARRANGEMENTS, LOCAL POLICIES AND ACTIONS IN OUR EFFORTS FOR ENVIRONMENTAL PROTECTION AND COMBATING CLIMATE CHANGE

We updated our organization chart and strengthened our institutional structure in our environmental studies.



In order to ensure coordination between the relevant departments on the environment, to contribute to the implementation and sustainability of environmental and climate change studies, a Mayor Advisor specialised in the environment was appointed for the first time.

With the decision of the City Council dated 13.09.2019, the Parks and Gardens Directorate within the Department of Environmental Protection and Control was structured as the Department of Parks and Gardens.

10 January 2020 - We established the "Coastal Structures Directorate" under the Parks and Gardens Department to ensure coordination in beach management.

10 January 2020 - We established the "Climate Change and Clean Energy Directorate" and started to work with our expert staff.

10 January 2020 - For the first time in the history of the Municipality, we established the "Sea and Coastal Management Directorate" under the Environmental Protection and Control Department. We established the "Blue Flag Office" to carry out Blue Flag activities effectively.

18 May 2022 - We became the first metropolitan municipality to establish the "Climate Change and Zero Waste Department".

18 May 2022 - We established the "Zero Waste and Environmental Education Directorate".

16 March 2022 - We made a name and regulation change for Antalya Livestock Trade Inc., one of the subsidiaries of our municipality, and ensured the establishment of "ANÇET-Antalya Environment, Agriculture and Livestock Trade Joint Stock Company". By adding activity subjects under the title of "Environmental health, waste and energy management" to the content of the charter, it has been transformed into a more inclusive and holistic structure with other subjects such as agriculture, food and livestock. For environment and nature friendly Antalya, works are carried out with the awareness of public responsibility and private sector dynamism.

In our Strategic Plan, we prioritized our environment-focused projects and our efforts to combat climate change



Our Antalya Metropolitan Municipality Strategic Plan includes projects and activities to be carried out in line with the mission, vision and core values determined in order to achieve the goals set in order to make Antalya an environment and nature friendly city. We have prepared our strategic plan by prioritizing the problems of environment and climate change, which have become the most important issues of cities. The actions determined in 8 of our 11 objectives in our strategic plan also serve the global goals for sustainable development.

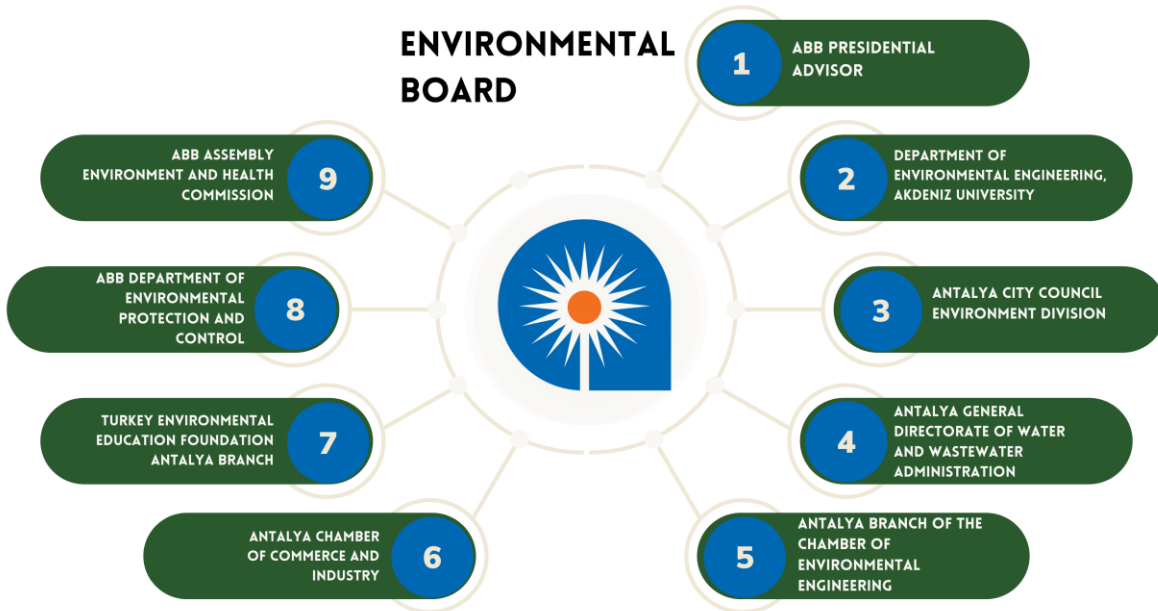
With our Environmental Board, we produce solutions to the environmental problems of our city with common sense



With our ABB Environment Board, which has no other example in any other municipality, we offer solutions to the environmental problems of our city with a common mind by bringing together relevant institutions, organizations and experts.

14.07.2020dated ABB Council Decision, our Environmental Board, which was established on the basis of the "Regulation on the Working Procedures and Principles of the Environmental Board"; Under the coordination of Antalya Metropolitan Municipality, it comes together with representatives of institutions, organisations, professional chambers, NGOs and invited

experts on the subject and exchanges views on the solution of the problem, producing projects that can be implemented, conducting field investigations and scientific research, preparing reports, etc. It contributes to the implementation of studies for the protection of the environment.



Environment Board Members:

- 1- ABB President Consultant
- 2- Akdeniz University Department of Environmental Engineering
- 3- Antalya City Council Environment Working Group



- 4- General Directorate of Antalya Water and Wastewater Administration
- 5- Chamber of Environmental Engineers Antalya Branch
- 6- Antalya Chamber of Commerce and Industry
- 7- Turkish Environmental Education Foundation Antalya Branch
- 8- ABB Department of Environmental Protection and Control

- 9- ABB Assembly Environment and Health Commission

The Environmental Board, which convened 13 times during 2020-2023, prepared and shared with the public the "Report on the Evaluation of the Sarısu Float Facility Transformation Feasibility Report", which took a large place in Antalya's agenda, and the comprehensive "Düden Stream Report" on pollution and fish deaths in Düden Stream and its basin. He was a pioneer in Turkey by ensuring the realisation of the "Eco-Friendly Farmer Card" project for the control of agricultural packaging waste, which is an important environmental problem in Antalya, the capital of agriculture. Finally, it has made significant contributions to taking the

necessary measures and carrying out the necessary work by addressing the issue of "Disposable plastics and microplastics" to solve the problems arising from plastic recycling companies, the number of which is increasing uncontrollably day by day in our city.

We prepared our Sustainable Energy and Climate Action Plan



By updating our declaration in the Mayors' Agreement, we have committed our Antalya to 40% carbon reduction in 2030 and carbon neutrality in 2050. In this context, we prepared the Sustainable Energy Action Plan-SEAP in 2021 and the Sustainable Energy and Climate Action Plan - SECAP in 2022. We have determined the concrete steps and road map to be taken for our city to be a city resilient to the climate crisis. We continue to carry out and disseminate exemplary practices in many

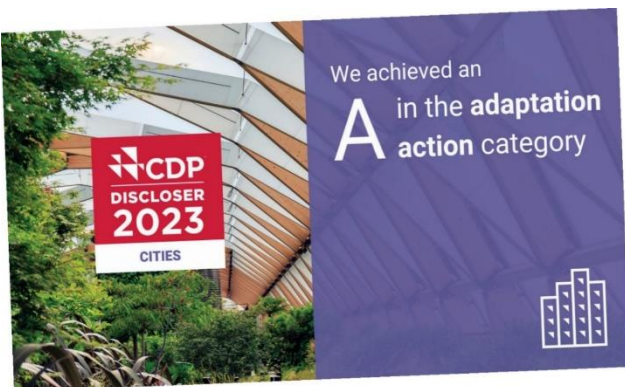
areas such as landscaping, agriculture, transportation, energy management, waste management, environmental health, water management, marine pollution and control, environmental education and awareness-raising throughout the city.

We became the first public institution to receive the Climate Friendly Organization Certificate

By breaking new ground in Turkey, we became the first public institution to receive the 'Climate Friendly Organization' certificate from the Turkish Standards Institute (TSE) by making our building carbon neutral in 2022. Then, in 2023, ASAT, our Water and Wastewater Administration, also achieved its neutral carbon target and was awarded the Climate Friendly Organization Certificate.



We became the city with the highest score increase in the International Climate Reporting Platform CDP report



Our Municipality, which progresses towards the goal of Carbon Neutral Antalya, became the city with the highest score increase compared to 2022 in CDP scoring, the world's leading city climate reporting platform, with its performance on this path.

We submitted our Sustainable Energy and Climate Action Plan and our work to the CDP-ICLEI Track, in which 938 cities around the

world participated. We were entitled to receive an A score at the Leadership Level with CDP reporting.

WE PRODUCE CLEAN ENERGY



With a total installed capacity of 50.88 MW in our 22 clean energy generation facilities, including 17 SPPs, 4 biomass and 1 waste heat energy facility, we produce clean energy with a total installed capacity of 50.88 MW, which is enough to meet the electricity consumed by 146,750 households on average monthly, and we are taking firm steps towards our carbon neutral Antalya target.

We Inaugurated Turkey's First Plant to Generate Energy from Waste Heat in Solid Waste Disposal

We put the Kızıllı Waste Heat Recovery Facility into operation in 2021 for the recovery of waste heat released from energy production and discharged directly into the atmosphere without being used. The facility, which has an area of 4,500 m² and a cost of 7 million 250 thousand dollars, has an installed capacity of 2.8 MW, including waste heat boilers, steam turbine, condenser, cooling tower and water preparation units, and produces clean energy equivalent to the electricity consumption of 10 thousand households. This facility, which reduces carbon emissions in our fight against climate change and creates income for our municipality, is the first and only solid waste facility in our country that produces energy from waste heat with a steam turbine



We produce energy from waste with our Biomass Facilities



In our Alanya Integrated Solid Waste Treatment and Disposal Facility, which we started operating in November 2020, we generate energy from garbage with 5.6 MW installed power with biomass energy. By generating electricity equivalent to the electricity energy needs of 18,000 households per month, we provide 125,000 tonnes of CO₂e emission reduction with the equivalent number of 300,000 carbon sink trees.

In addition, we generate electricity equivalent to the electricity energy needs of 138,300 households per month with 40.36 installed power in our 4 biomass energy production facilities, 40.8 MW installed power in Kızıllı Solid Waste Integrated Facility, 3.6 MW installed power in Manavgat Solid Waste Facility, 2.8 MW installed power in Alanya Yumru Solid Waste Facility. With 1,427,000 carbon sink trees equivalent to 597,500 tonnes of CO₂e emission reduction.

We get our energy from the sun with our solar power plants



We are making environmentalist investments for a sustainable Antalya, we are building Solar Power Plants. We are reducing ASAT's electricity costs by installing 4 Solar Power Plants with a total installed capacity of 4 MW in Korkuteli Bozova. We also put into operation the rooftop SPP with an installed capacity of 1 MW at the Lara Central Treatment Plant. We installed 2 storage SPPs with a power of 249 kW on the roof of the Municipality Service Building and 80 kW on the roof of Antalya Ulaşım A.Ş. In this way, we became the first public building

in Turkey to generate its own electricity and to have the first storage feature in Turkey. We installed solar panels with a power of 246 kW on the roof of the Special Training School and Rehabilitation Centre within the scope of the "Overcoming Obstacles with the Sun" project. We produce solar energy for agricultural irrigation with a power of 30 kW in Korkuteli Sülekler and 50 kW in Bahçeyaka. Thus, we found a solution to the 30-year water problem of the region by extracting water from 80 metres.

With our 17 SPPs with a total installed capacity of 10.52 MW, we generate 19,121 MWh of energy, equivalent to 6,885 households annually. With the completion of the projects of 710 kW Manavgat roof SPP, 600 kW Alanya drinking water treatment plant roof SPP, 450 kW Kütükçü pumping station roof SPP and 300 kW ASAT service building roof SPPs, we are increasing the number of 7 SPPs to 21 SPPs in our term and tripling our installed power.

We Save Energy



We reduce carbon emissions and provide economic value by replacing the lighting in our service buildings with LED lighting that consumes less energy, limiting or switching off unnecessary lighting, cooling and heating systems by monitoring the amount of energy consumption, training and awareness-raising activities such as posters, brochures, stickers, etc.

With the fuel transfer stations we have built for fuel saving in our public transport vehicles, we save time and fuel and at the same time reduce fossil fuel consumption. Thanks to the vehicle and fuel tracking system we have installed, we increase our saving measures.

We Carry Out Energy Audit Studies



We completed the energy audit report of the Metropolitan Special Training School and Rehabilitation Centre prepared within the scope of the "Strengthening the Energy Efficiency Consultancy Market for the Public Sector in Turkey, Energy Efficiency Financing and Development of Energy Efficiency Consultancy Services Project" financed by the World Bank and determined our road map to achieve 87% energy savings. We are also taking measures for energy saving with the ongoing energy audit studies in our Municipality Building.

We Will Obtain Energy From Greenhouse Wastes

Antalya, which ranks 1st in greenhouse cultivation in Turkey, meets approximately half of the production in our country. The disposal of herbal wastes resulting from intensive greenhouse cultivation activities throughout the province has been an important problem that has not been solved until now. As a result of our work as Antalya Metropolitan Municipality, we will provide biomass energy from biowastes to be collected with the facility we will establish in Kumluca. In the first stage, the facility, where the greenhouse wastes and park garden wastes of the districts of the Western Antalya Region and the central districts, where greenhouse activities are intensive, will be collected and evaluated, is planned to be put into operation after the completion of the permit processes.



WASTE MANAGEMENT

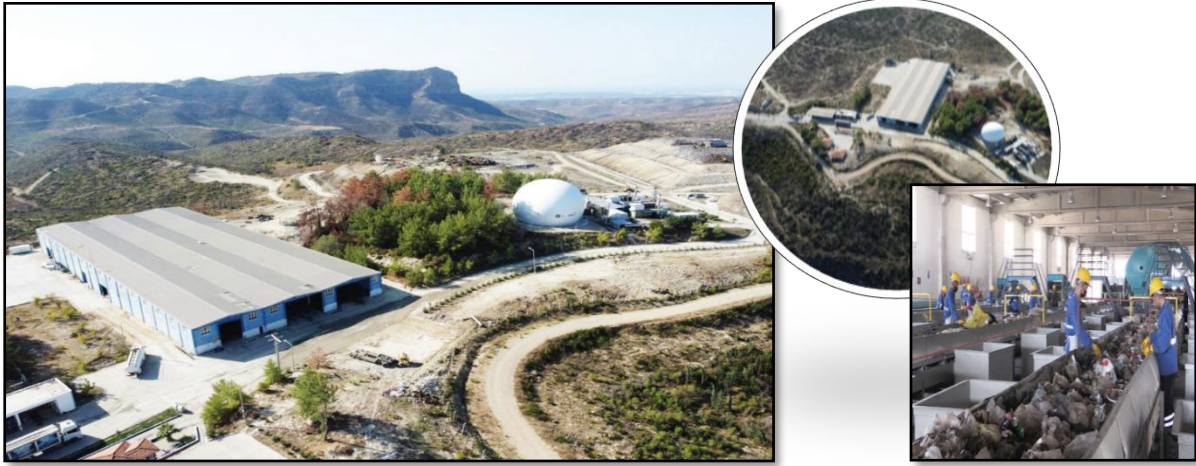


Alanya Integrated Solid Waste Treatment and Disposal Facility is Now Operational



We are addressing the waste issue in the eastern region of Antalya. Alanya ensures the disposal of household solid waste from Gazipaşa and generates energy equivalent to the monthly electricity needs of approximately 18 thousand households. In the coming years, we plan to extend the disposal of household solid waste from Gündoğmuş, Akseki, and İbradı to this facility as well.

Manavgat Solid Waste Landfill and Energy Production Facility Capacity Enhanced with Mechanical Sorting and Gas Balloon Units



Among our environmentally friendly and innovative projects, the Manavgat Solid Waste Landfill and Energy Production Facility have been equipped with a mechanical sorting unit to separate packaging waste, contributing to the economy. Additionally, the gas balloon unit stores the generated gas, increasing the amount of energy produced in the facility. The mechanical sorting unit reduces the amount of waste sent to the landfill by separating packaging waste, thus extending the economic life of the landfill site. By recycling these wastes into the circular economy, we also prevent environmental pollution.

Contribution to Agricultural Activities and Landscape Works with Solid-Liquid Fertilizer Obtained from Organic Waste



Following a zero-waste approach under Integrated Waste Management, we continue experimental and licensing studies on the use of solid and liquid fermented products resulting from fermentation as soil improvers, a first in Türkiye.

Establishment of Solid Waste Transfer Stations



Demre Katı Atık Transfer İstasyonu



Serik Katı Atık Transfer İstasyonumuz



Katı Atık Transfer Araçları



Gazi Paşa Katı Atık Transfer İstasyonu

Through our environmentally and nature-friendly initiatives, we have closed open dumping sites and established 5 new transfer stations in Serik, Kemer, Manavgat, Gazipaşa, and Demre.

Zero Waste Certification Achieved

Our municipality has earned the Zero Waste Certificate by establishing the Zero Waste Management System, becoming one of the first municipalities in Türkiye to do so. The Zero

Establishment of a Fleet of Sea Vehicles for Fighting Sea Pollution

Introducing Antalya to the Sea Sweeper



We used Antalya's first sea sweeper for the clean-up of Boğaçayı in 2019, 2020, and 2021. In 2022, we added a new sea sweeper, which we designed and manufactured for marine cleaning, to our fleet and launched it into the Mediterranean on July 1, Maritime and Cabotage Day.



Stronger at Sea with Inspection Boats



When we took office, sea inspections were carried out with only one 1999 model, 6.9-meter boat. By increasing the number of inspection boats to 4, we strengthen our inspection capabilities with our expert inspectors and captains. In 2023, to inspect ships and sea vessels in Antalya Bay, we acquired a 13.8 m inspection boat capable of operating in heavy sea conditions, with high speed, and night vision. This strengthens our ability to detect sea

vessels causing pollution and allows for faster response in emergencies. Additionally, we started using drones to inspect sea vessels from the air.

Clearing Streams with Aquatic Plant Cutting Boats



In Boğaçayı, located on the Konyaaltı coast of Antalya, we ensured the local and economic production of our aquatic plant cutting boats named "Caretta" and "Blue Crab," used for regular harvesting of aquatic plants that increase during the summer, causing environmental pollution, odor, and attracting insects. We cut the aquatic plants from 1 meter below the water with our boats and clean them from the water surface with our sea sweeper.

Protecting Our Seas With the First Electronic Ship Inspection System in Türkiye

We are pioneering the prevention of ship-generated pollution, ensuring the 24/7 security of our seas with our groundbreaking Electronic Ship Inspection System in Türkiye.

In our maritime responsibility areas, no ship is allowed to pollute our seas. Thanks to the Electronic Ship Inspection System, the first of its kind in Türkiye, we conduct electronic ship inspections with high-resolution, night vision-equipped PTZ and thermal cameras at 22 points along the coastline under the responsibility of the Antalya Metropolitan Municipality (Beşgöz Creek in the east, Göynük Stream in the west). We ensure electronic ship inspections in our maritime control area through video recording, photos, radar, and AIS images.



Since the official launch of EGDS on July 5, 2023, we have intervened with 33 ships and imposed a total of 30,870,000 TL in administrative fines throughout the year.

Establishing Waste Reception Stations for Clean Seas

We facilitate waste disposal for maritime vessels to prevent sea pollution. By adding 3 new units/pumps to the waste reception facility owned by our municipality in Demre Çayağzı Port, we increased its capacity to 8 units. We also added 1 unit to Demre Kekova, 1 unit to Kemer Çıralı, 1 unit to Antalya Fisherman's Harbor, and established a new waste reception facility in Kumluca Adrasan to ensure the collection of waste from ships and maritime vessels. We have initiated efforts to put waste reception facilities into operation in Aksu and Acısu.

For the Adrasan region in Kumluca District, where daily boats operate, we coordinated with TURMEPA and DTO Antalya Branch to provide waste collection ship services during the 2022 and 2023 seasons.

Monitoring Sea Water and Quality

We collect microbiological sea water samples from 81 points in Antalya Bay every 15 days and periodically monitor the sea water quality in our ASAT General Directorate Laboratory.

We Carryout Scientific Monitoring Studies in Seas, Coastal Waters, and Inland Waters



To prevent occurrences like sea snot (mucilage) seen in the Marmara Sea and its surroundings in Antalya Bay, a scientific collaboration protocol named "Investigation of Problems that May Occur in Marine and Coastal Waters and Inland Waters in the Mediterranean Gulf" was signed on 15.06.2021 between the Antalya Metropolitan Municipality, ASAT General Directorate, and the Faculty of Fisheries at Akdeniz University.

The findings, opinions, results, and interpretations of water analyses obtained from these studies were compiled into reports and shared with relevant institutions in 2022. In 2023, with the participation of personnel from the Antalya Provincial Directorate of Environment, Urbanization, and Climate Change, field studies were conducted to identify point and diffuse sources of pollution in surface waters and coastal transition waters in Antalya center and Gazipaşa, Alanya, Manavgat, Serik, and Kemer districts. The 2023 report has been prepared.

With the Boğaçayı Science Board, we are generating solutions in the path of technology and science.



As part of the Boğaçayı Project, implemented in December 2018 despite objections, the riverbed has been transformed into a pool approximately 750 m long, 200 m wide, and 2.5 m deep, bringing along some anticipated environmental issues. Coordinating with relevant professional chambers, public institutions, and expert academics, our Boğaçayı Science Board, formed under the coordination of the Metropolitan Municipality,

guides efforts based on its opinions. We collaborate on waste collection, sediment management, vector control, biodiversity conservation, and flood risk prevention.

Fighting Against Ghost Nets



Under our "Don't Make Our Seas Cry" Project initiated in 2021, we contribute to the protection of the marine ecosystem by collecting ghost nets used in fishing, discarded or torn at sea. We have set up 8 collection containers at 7 coastal facilities for these nets, which continue to pose a deadly threat to marine life. We organize underwater documentary shootings, educational sessions for fishermen, and cleanliness campaigns. By the end of 2023, we have collected 3 tons and 190 kg of ghost nets. We reuse these nets, collected with underwater drones and divers, as river waste barriers and recycle them into fish boxes, chutes, and other materials.

Fighting Invasive Species



We fight invasive species, particularly the lionfish and pufferfish, which rapidly spread to our shores due to climate change effects. These foreign invasive species pose a significant threat to our marine biodiversity and fishermen economically. Organizing lionfish and pufferfish hunting competitions, underwater documentary shootings, and awareness events, we actively engage in the fight against invasive species. Additionally, we are the first municipality in Türkiye to include lionfish in the menu of our municipal social facility, Düden Fish Market, contributing to their consumption.

Leading the World in Blue Flag Numbers



The international standard for sea cleanliness, the number of Blue Flags, increases every year thanks to our significant contributions to marine protection efforts. In 2023, Türkiye ranks 3rd in the world with 551 Blue Flag-awarded beaches among over 50 countries, and Antalya leads globally with 231 Blue Flagged beaches. Managed by our municipality, the 17 Blue Flagged public beaches uphold criteria in environmental

management, environmental education, safety, services, and facilities, continuously increasing the number of Blue Flags each year. In addition to beaches, Antalya boasts 5 Blue Flag marinas and 14 tourism boats, making the greatest contribution to our country's success.

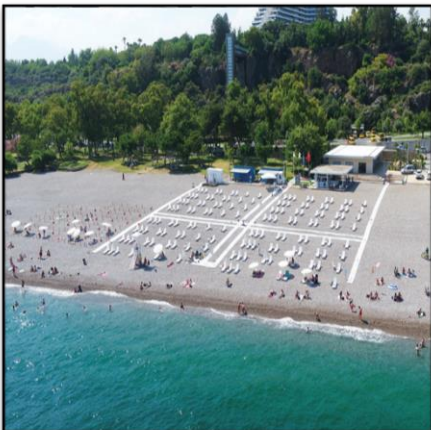
Türkiye's First Indigenous Unmanned Lifeguards on Duty



The Antalya Metropolitan Municipality introduces unmanned lifeguard vehicles for the first time in Türkiye, instilling confidence in sea users. Developed and produced locally in Antalya with the municipality's contributions to R&D, these unmanned lifeguard vehicles, operated by remote control, rechargeable, equipped with sound systems and video recording capabilities, excel as the world's best

unmanned lifeguard robots. They are operational on municipal beaches, providing swift and effective intervention even in adverse weather conditions.

During the pandemic, we pioneered the implementation of the first Socially Distanced Beaches, setting an example for Türkiye.



In response to the COVID-19 pandemic, when all beaches were closed, we took the lead in Türkiye by introducing the "socially distanced beach" initiative in May 2020, starting at Konyaaltı Beach. The measures we implemented under this pilot program played a pioneering role in the rapid reopening of beaches nationwide.

Through our pilot initiative at the municipal public beach, we demonstrated that beach usage could be possible while adhering to COVID-19 preventive measures, hygiene, and safety precautions. This included designated areas with and without sunbeds, specified distances in the beach and sea, walkways to prevent direct contact, dressing cabins, showers, and toilets with COVID-19 preventive measures. Our initiative received significant attention in national and international media, contributing significantly to the continuity of coastal tourism.



SUSTAINABLE WATER MANAGEMENT

We made our Integrated Water Management Plan



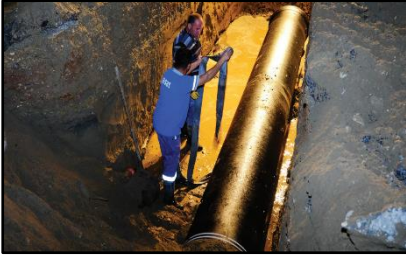
We have prepared our Antalya Integrated Urban Water Management Plan under the coordination of Antalya Metropolitan Municipality General Directorate of Water and Wastewater Administration (ASAT). We act with the Integrated Urban Water Management Plan based on the year 2050 by developing projects for the efficient use of

water and preventing drought.

We prevent water leakages by renewing drinking water networks and water tanks



We replace outdated pipes and renew drinking water network systems to prevent loss and leakage.



We built 3099 km of drinking water lines, the distance between Antalya and Berlin

We renewed 556 water tanks throughout Antalya. 89 new prefabricated installations and 70 new water tanks were built.

We fight against water loss and leakage by increasing the capacity of our SCADA System



We are increasing the capacity of our SCADA system, which allows remote control and monitoring on the drinking water network, and increasing our fight against water losses and leaks. ASAT SCADA system is a first in Turkey in terms of instant checking and controlling in terms of network water quality parameters such as temperature, pH, electrical conductivity, turbidity and chlorine concentrations. New studies will contribute to the sustainability of the system. In addition, our active physical leak detection teams are working on a 24/7 basis to detect faults that do not surface in the drinking water network.



We take underground water resources under protection

For the protection of underground water resources, the absolute protection areas of a total of 226 water resources, 66 in 2019, 56 in 2020, 20 in 2021, 43 in 2022, 41 in 2023, were taken under protection by fencing the absolute protection areas. This work continues to cover all districts. Kirkgöz water resources, which have an important place in the groundwater supply

of Antalya, were surrounded by wire fencing and taken under protection in 2022. They are monitored instantly with camera systems.

Necessary studies have been carried out with the 13th Regional Directorate of State Hydraulic Works (DSİ) in order to establish protection areas for 83 water resources over 50 l/sec, which are important in terms of drinking water supply throughout the city, and hydrogeological survey reports of water resources and protection areas have been prepared by the relevant institution.

In addition, monthly monitoring studies are carried out by taking samples from the surface water sources Dim Dam, Oymapınar and Karacaören reservoirs and the streams that feed them and the results are transferred to the national water information system (USBS).

We Continue Our Water Efficiency Efforts in Our Buildings



We prevent water waste in our municipal service buildings, starting with ourselves, by installing aerators, photocell heads, maintenance and repair works, our Water Efficiency Unit and awareness-raising activities, which save 40% of water by installing on tap heads. With the grey water treatment plant we started in our Environmental Education Centre building, we reuse sink water and use it for garden irrigation. We are also expanding our rainwater harvesting and drip irrigation activities.

We prevent water waste with gradual water tariff application

We charge 5 tonnes of water per month, which is the human right to use, at a discounted tariff. We charge 5 tonnes to 20 tonnes of water at the normal tariff, and over 20 tonnes of water at the high tariff, considering it as excessive consumption. Through gradual pricing, we encourage saving in water use and prevent water waste.

We renew our wastewater treatment plants and wastewater pumping stations





With our environmentally friendly facilities, we are taking firm steps towards a green future that is resistant to climate change.

Within the scope of the cooperation protocol we have signed with the Ministry of Culture and Tourism, we are completely renewing the treatment plants and pumping stations in the centre of Serik and Kemer in return for our wastewater revenues for 20 years in Serik and 27 years in Kemer. This model, which we have completed in Serik, will also be applied in Kemer. We have also completed the Continuous Flow Package Wastewater Treatment Plant in Akseki Murtiçi, and we are completing the Continuous Flow Package Wastewater Treatment Plant in Akseki Güçlüköy.

We renew our wastewater treatment plants with more efficient and technological equipment. Capacity increase in Konaklı, Okurcalar, Lara central treatment plants and rehabilitation works were carried out in 35 central treatment plants.

With a total of 35 Biological Wastewater Treatment Plants and 270 Wastewater Pumping Stations in Antalya Province, we guarantee human and environmental health by treating domestic wastewater at an advanced level without interruption.

We are realising our Treatment Sludge Incineration and Energy Recovery Plant

We are finally solving the problem of wastewater treatment sludge, which is one of the most important environmental problems of Antalya that has not been solved so far and causes huge costs to the municipal budget in its disposal.

Within the scope of the 59 million 850 thousand Euro loan and 300 thousand Euro grant agreement made with the French Development Bank on 8 November 2023 in France, we are implementing our Hurma Sewage Sludge Incineration and Energy Recovery Plant project with a capacity of 500 tonnes / day with a tender announcement on 29 December 2023.

In Antalya, 180 thousand tonnes of treatment sludge generated annually will be disposed of by incineration. As a result of the commissioning of the facility, thermal and electrical energy will be obtained with a modern emission system. It is planned to utilise the ash that will remain from the sludge by recovering phosphorus.



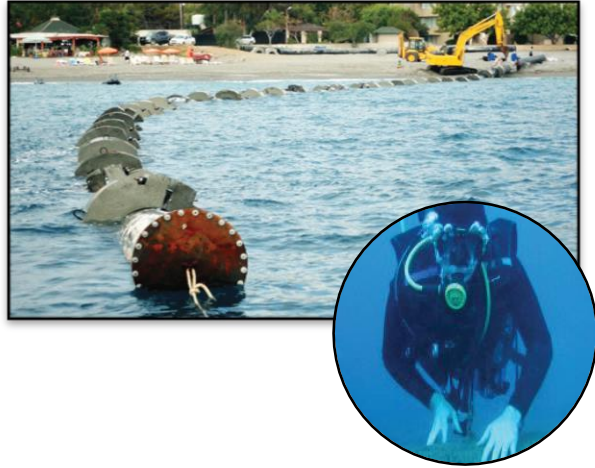
We invest in the environment and human health with our sewerage and rainwater line Works



We continue to solve the infrastructure problems of neighbourhoods without sewerage infrastructure in Aksu, Döşemealtı, Finike, Kaş, Gazipaşa, Alanya and Manavgat districts. We have constructed 474 km of sewerage lines and we continue to do so.

Before the rainy season, we clean the rainwater collector lines in the main arteries of the city. We clean rubbish, leaves, soil and plant roots that may cause blockage. Apart from this, around 200 km of stormwater channels are cleaned regularly every year. By carrying out 61 km of stormwater manufacturing, maintenance and repair works, we are increasing our measures against excessive rainfall and stormwater floods due to climate change.

Maintenance and Renewal of Deep Sea Discharge Lines



The effluent treated in wastewater treatment plants is discharged to the seas, which are the receiving environment, in a controlled manner through deep sea discharges.

We discharge the biologically treated wastewater in our wastewater treatment plants to the sea in accordance with the regulations.

In addition to our existing deep sea discharge lines, we are building new Deep Sea Discharge lines in Gazipaşa, Finike and Demre Wastewater Treatment Plants.

We Ensure Reuse of Treatment Effluent



With the filtration and ultraviolet system we have commissioned in Korkuteli Wastewater Treatment Plant, we ensure the use of the effluent water as agricultural irrigation in Beğışsusuzu. In addition, with our Package Membrane Wastewater Treatment Plants in Gündoğmuş, İbradı, Ormana and Elmalı Districts, we increase the wastewater to class A agricultural irrigation quality.

ENVIRONMENTALLY FRIENDLY TRANSPORT



Reducing Carbon Emissions with Smart Intersections and Remote Access Intersections



Within the scope of the Transport Master Plan and Sustainable Transport, we aim for less energy, less fuel and an accessible and fast transport with our environmentally friendly practices.

We have implemented 64 smart intersections and 61 remotely accessible intersection systems in Antalya centre and districts. It

minimises unnecessary waiting times at red lights, saves not only time but also fuel, and

contributes to the protection of the environment by reducing carbon emissions. With the Antalya Smart Intersection Signalling Project, we save 19,950 litres of fuel and reduce 34,284 kg of carbon dioxide on a daily average.

Putting Electric Vehicle Charging Stations into Service

In our fight against global climate change, we are installing electric vehicle charging stations for the widespread use of environmentally friendly electric vehicles with low carbon emissions and less energy consumption.

Firstly, our 18 electric vehicle charging stations, which we established in our municipal car parks, can serve 34 vehicles (3 units DC 120 kW, 15 units AC 22 kW). In addition, we have a total of 25 electric vehicle charging stations, including 7 charging stations (2 150 kW, 5 22 kW) for our municipal vehicles. We continue our charging station installation works throughout Antalya.



We are increasing our bicycle lanes



We continue to expand our bicycle road networks in order to enable our citizens to transport themselves by bicycle and to support a healthy and sustainable life.

We are completing the 13 km long Alanya-Gazipaşa bicycle road, which is designed on the coastal road

connecting Alanya and Gazipaşa districts, in order to host national and international events and to activate nature and sea tourism.

In 2019, we increased the length of 32.4 km of bicycle paths under the responsibility of our Municipality by 50% to 43 km. Together with our district municipalities, the total length of bicycle paths increased by 97% from 70.9 km to 140 km by the end of 2023.

We made a difference with the Bicycle Carrying Apparatus for Public Buses

We continue our work to ensure the integration of the bicycle, which is a sustainable, environmentally friendly, healthy and economical means of transportation, with public transportation and to expand its use. With the "Integration of Bicycle Transportation into Public Transportation" Project that we implemented for this purpose, we installed bicycle transport devices in 25 buses used in urban transportation in Antalya, and by integrating with Antalya Card, we enabled public transportation vehicles with bicycle



transportation devices to be tracked through the system. With our project, we were entitled to receive an award in the Bicycle Transportation Idea and Project Implementation Competition for Municipalities, organized within the scope of European Mobility Week in 2020, under the national coordination of the Union of Municipalities of Turkey.

We Are Expanding Rail System Networks



We continue our work rapidly to expand the rail system network throughout our city, which does not pollute the air, water or soil, does not disturb people with its noise, and provides fast, comfortable and environmentally friendly transportation with modern public transportation vehicles that run on 100% electricity. We put the 3rd Stage Rail System Project into service in 2021, which is an important step in terms of line length and expansion of the rail system network with 39 stations. In order to expand the rail system network throughout our city, we continue our work for the 18 km 4th Stage Konyaalti-Varsak and the 22 km 5th Stage Konyaalti-Lara-Kundu Rail System line.

We Are Increasing Our Environment-Friendly Transportation Vehicles



We added 1 electric car, 2 electric buses, 25 electric motors and 30 electric scooters to our environmentally friendly transportation vehicles.

We contribute to Carbon Reduction in Transportation with the Traffic Control Center



Antalya Metropolitan Municipality was deemed worthy of the special jury award at the 'Path of Mind Awards' by the Ministry of Transport with the 'Antalya Traffic Control Center and Smart Intersection Control Center' project implemented to reduce traffic density.

With our Traffic Control Center;

- Safe and uninterrupted transportation
- Smooth traffic and fuel savings
- We provide instant intervention to traffic.

ECO-FRIENDLY LANDSCAPE AND AFFORESTATION

We Carry Out Xerophilic Landscape Applications



In line with climate change adaptation, we implement xerophilic landscape applications in our parks, medians, intersections, and various landscaping areas to ensure efficient use of water resources and reduce maintenance costs. Highly admired for urban aesthetics, this application, utilizing xerophilic plants in urban landscapes, provides a 50% reduction in water and electricity consumption, as well as a 30% reduction in labor, pesticide, and fertilizer costs.

We Produce Drought-Tolerant Turfgrass Seedlings



In order to combat the threat of drought posed by the global climate crisis, the implementation of drought-tolerant practices has become imperative. As the Antalya Metropolitan Municipality, we have pioneered the production of drought-resistant Zoysia and St. Augustine turfgrass seedlings among municipalities in Türkiye. In 2023, we produced 2 million St. Augustine and Zoysia turfgrass seedlings using our own resources and personnel, and replaced traditional turf areas that consume a lot of water. By using drought-tolerant turfgrass seedlings, we achieved a 60% reduction in water consumption, a 50% reduction in maintenance labor, and eliminated fertilizer and pesticide costs.

We Carry Out Ready-to-Install Sod Production



In our municipality's facilities in the Güzeloba neighborhood, we have carried out sod production on a 30,000 m² turf facility for use in green areas.

Preserving Sand Lilies

To prevent the uprooting and destruction of sand lilies, which are under the threat of extinction in natural habitats along Lara Beach, we placed warning signs along the coast. Additionally, 1,250 plants produced in our municipality's greenhouses from seeds were introduced to the sandy areas.

Environmentally Friendly Plant and Tree Seedling Production Using Sustainable Techniques



We produce plants by taking cuttings from the routine annual maintenance of trees and shrubs in the green areas under our responsibility, rooting them in our greenhouses. This practice allows the economic utilization of pruning residues and reduces environmental waste. Tree seedling production is carried out in our 25,000 m² nursery. We use environmentally friendly production techniques, producing local tree species through cuttings from pruning residues and citrus, prayer beads, etc.,

through seeds. By benefiting from environmentally friendly production techniques, pruning residues from shrub plants in the areas are used in the production of new plants.

Our district of Ibradı is a region where at least twenty different flower bulb species naturally grow. In order to support production, increase distribution, and provide an alternative income source and employment for local farmers in line with local development goals, we created a tulip bulb production area in the district and provided farmer training. From the planted 10,000 bulbs, we produced approximately 50,000 offspring tulip bulbs. Some of the propagated tulip

bulbs are distributed to local farmers, and the remaining ones are used in urban landscaping areas during the winter period.

We Produce Medicinal Aromatic Plants



In support of producers, we produce thyme (*Origanum onites*), lavender (*Lavandula angustifolia*), sage (*Salvia officinalis*), and rosemary (*Rosmarinus sp.*) in our facilities in line with the demands of Agricultural Development Cooperatives. By distributing the produced seedlings to local farmers, we encourage production.

Implemented the Orange-Scented City Project



We initiated the planting of orange trees, symbolic of Antalya, starting with Orange Blossom Avenue. We aim to expand the project throughout the city, continuing with Dumlupınar Boulevard. We utilize harvested oranges in the production of jams in the municipality's women's cooperatives.

Enabled the Use of Carriages in Landscaping within Recycling Efforts

After the cessation of activities of carriages used for tourist purposes in the Kale Kapısı vicinity for many years, we repurposed the idle carriages within recycling efforts. We repaired and decorated them with different colors and live flowers, turning them into landscaping elements at various attractive points in the city (intersections, central medians).



Achieving Water Savings in Tree Irrigation by Reusing Corrugated Pipes

In Konyaaltı Beach Area, Aspendos Boulevard, and Kemer regions, we create basins around the base of trees using recycled corrugated pipes, ensuring minimum water consumption and maximum efficiency.

Recycling Wood Materials and Tree Waste in Our Workshops



Trees damaged, fallen, or toppled due to climate conditions are used as lumber in our workshops. We process them to manufacture urban furniture (benches, picnic tables, gazebos, etc.). Additionally, we recycle old or scrapped

wooden materials in our workshops, transforming them into urban furniture, contributing to nature and the municipal budget.

In 2023, we placed 1,623 benches, 949 picnic tables, and numerous gazebos in shared public spaces, achieving approximately 4 million TL in savings by using our own personnel and resources for their production.

Implementing Smart Irrigation Systems for Water Conservation



Within our areas of responsibility covering 2,700,000 m² of green spaces, we use controlled and systematic sprinkler and drip irrigation systems based on climate requirements through our Smart Irrigation Systems. This results in approximately 70% water savings compared to uncontrolled irrigation.

Preventing Water Loss in Ornamental Pools



In various regions of the city under our municipality's responsibility, 146 ornamental pools are subject to deformities over time due to environmental factors and chemicals used in pool cleaning. To ensure more effective and efficient use of our water resources and prevent water loss, we continuously conduct maintenance and repair work in construction, mechanical, and electrical areas to address insulation vulnerabilities that may arise over time.

Expanding Carbon Sink Areas through Afforestation Efforts



After the forest fire in Manavgat, our afforestation efforts, along with the Golden Orange and Republic's 100th Anniversary Memorial Forests, breathe new life into Antalya. We have facilitated the planting of 1,851,000 saplings, creating green spaces equivalent to 11,106,000 kg of carbon sink annually.

- Under the collaboration protocol with the International Food and Agriculture Confederation, we received a donation of 1 million saplings.
- As part of the collaboration protocol with the Turkish Education Foundation for Afforestation, we planted 12,000 saplings.
- We conducted the planting of 13,000 saplings donated by Ankara Metropolitan Municipality for the Manavgat Forest Fire.
- Through collaboration with the Türkiye Foresters Association, we continue distributing trees to forest villagers and providing training for combating forest fires.
- In the name of all cinema enthusiasts, we established the **Golden Orange Memorial Forest** with the motto "The Future Will Grow with Hope."
- We created the **100th Year Republic Forest** with the planting of 1923 olive and laurel trees, symbolizing peace, abundance, and eternity.
- As part of the International Mediterranean Fine Arts Symposium, we planted 2500 pine saplings in the burned forest area in Kalemköy, where the Manavgat fire started.
- During Climate Diplomacy Week, we conducted tree planting with our youth.
- Together with the Nuremberg sister city delegation, we planted trees in Karaaliođlu Park.
- At Zeytinpark, during Forest Week, we conducted tree planting with our children on behalf of every province in the earthquake-stricken region.
- We continue afforestation efforts by the Directorate of Parks and Gardens and the Directorate of Agricultural Services for sapling distribution.

Taking Care of Türkiye's Largest Urban Park, Zeytinpark



Zeytinpark, with an area of 2630 acres, is the largest green space in the city center in our country and ranks 9th in the world with this feature. Within the area, approximately 20,000 of the 26,000 trees are olive trees. The "Tavşan Yüreği Olive," unique to Antalya and also growing in Zeytinpark, is an important geographical indication product and a valuable asset for Antalya. For this reason, as the Antalya Metropolitan Municipality, through a collaboration protocol with Antalya Olive Park Agricultural Products Industry Trade Joint Stock Company in 2021, we are revitalizing Zeytinpark, which is a significant carbon sink for our city. We are working to ensure that it receives the recognition it deserves and is better preserved.

ENVIRONMENTALLY FRIENDLY AGRICULTURAL PRACTICES

Addressing Agricultural Pesticide Packaging Waste with the Eco-Friendly Farmer Card Project



We have innovatively tackled the long-standing issue of agricultural pesticide packaging waste through the implementation of the Eco-Friendly Farmer Card Project. In our city, where agricultural activities thrive, this initiative provides an intelligent solution for the collection, recycling, and proper disposal of pesticide packaging waste. The project, which integrates smart waste collection containers with a mobile application, transforms waste into points, offering tangible benefits to participating farmers.

This pioneering project, the first and only of its kind in Türkiye, commenced in the pilot region of Kumluca, renowned for its intense agricultural activities. Subsequently, the initiative expanded to Finike and Demre districts, with ongoing efforts to introduce the program in other districts. By the conclusion of 2023, 3,209 farmers were registered in the system, contributing to the collection of 1,927 kg of agricultural pesticide packaging waste.

Farmers engaging in responsible waste disposal are rewarded through the use of solar-powered, camera-equipped, impact-resistant, and fireproof smart containers. The centralized monitoring system keeps track of container fill levels, and farmers earn points that can be

redeemed for various agricultural materials, including greenhouse plastic, twine, crates, gloves, clips, and adhesive traps.

Promoting Water Conservation and Enhancing Agricultural Efficiency with Closed Circuit Irrigation Facilities



In our commitment to combat climate change, we prioritize the efficient utilization of water resources. We have successfully transitioned over 30,000 hectares of open irrigation systems to closed irrigation systems. This transformation, implemented in 17 areas, including Manavgat Çardak, Demre Gürses, Kaş Yuvacık, among others, has resulted in a remarkable 60% reduction in water usage and a substantial 55% increase in agricultural productivity.

Supporting Farmers in Adopting Efficient Irrigation Practices through Pipe and Valve Assistance



To encourage farmers to adopt water-efficient and cost-effective irrigation practices, we provide support through the "Agricultural Facilities Minor Repair Support" program. Since 2019, we have distributed a total of 460,897 pipes, 273 irrigation valves, and 7 motor pump supports to 102 neighborhoods. This support directly benefits 8,670 farming families, contributing to the effective irrigation of 118,750 hectares of agricultural land.

Preventing Water, Energy, and Pesticide Waste through Smart (Digital) Farming Applications



Under the Digital Farming Project, we contribute to minimizing yield and product losses by supplying heat and humidity sensors to greenhouse vegetable producers in Elmalı, Kumluca, Kaş, and Demre districts. Farmers gain real-time insights into temperature and humidity values within their greenhouses through a mobile application. This application facilitates data monitoring on a daily, monthly, seasonal, and yearly basis. In cases of unfavorable conditions, the system issues alarms through the application, notifying farmers via SMS and email, prompting them to take necessary precautions. The application also fosters communication among farmers, enabling them to exchange ideas and provide mutual support. Through this comprehensive communication network, inclusive of technical personnel, we actively contribute to promoting reliable and healthy cultivation practices.

Reducing Pesticide Usage through Biological and Biotechnical Pest Control in Agriculture



We contribute to the protection of the environment and human health while reducing production costs through biological and biotechnical pest control methods.

To combat the cereal leaf beetle, a pest causing significant losses in citrus fruits and pomegranates, we provided biological pest control support in 5,350 hectares. By introducing two beneficial insect species, the predator (*Cryotolaemus montrouzieri*) and parasitoid (*Leptomastix dactylopii*), we effectively prevent the use of pesticides. Additionally, in the fight against the Mediterranean fruit fly, a significant pest in citrus fruits, we supplied 2,000 envelope-type sticky traps in the Finike and Kumluca districts.

Supporting pest control in protected cultivation, we provided 287,250 yellow and blue sticky traps to producers. Yellow sticky traps are used in combating whiteflies in greenhouse vegetable cultivation, while blue sticky traps are effective against thrips.

In Korkuteli, where intensive mushroom cultivation occurs, we supported pest control against harmful flies through the provision of Physiomechanical Light Traps. By avoiding chemical usage, we contribute to obtaining residue-free and high-quality products. We introduced this

less common method in the region by providing 120 traps to mushroom producers for six months on a rotational basis.

For olive and avocado producers in Alanya, Aksu, Manavgat, Döşemealtı, and Kumluca districts, we donated 8,000 kg of agricultural kaolin clay, a natural mineral, to combat the olive fruit fly. The use of kaolin clay in avocado orchards prevents sunburn on the fruit, enhancing overall quality.

Initiating the "hindi" (turkey) project in response to locusts invading the Eynif pasture in İbradı, we distributed 2,000 turkeys and 10 tons of turkey feed to combat locusts that infested 9,000 hectares of the 20,000-hectare pasture. This project not only addresses the threat posed by locusts to livestock but also promotes turkey meat production as an additional source of income for local farmers.

Promoting Sustainability in Natural Environment and Agriculture through Beekeeping



Bees play a crucial role in biodiversity, contributing to the reproduction and diversification of various plant species. Their existence is vital for ecosystem balance, making them significant determinants of biodiversity. Bees facilitate the pollination of plants, ensuring the sustainability of the natural environment and agriculture. In line with this, we support the sustainability and activities throughout Antalya by

expansion of beekeeping providing bee hive support, beekeeper suits, and beekeeping training and certification.

Providing Support for Alternative Products for Climate Change Adaptation



We offer education, seedling and seed support to local residents in the cultivation of regional products affected by climate change.

Until the end of 2023, we have distributed 29,600 walnut trees, 22,000 olive trees, 325,000 carob trees, 200,000 laurel trees, 11,000 mulberry trees, 1,500 chestnut trees, 7,500 pistachio trees, 2,000

raspberry bushes, 2,000 blackberry bushes, and 16,580 aronia seedlings. Additionally, we provided 1,838,065 lavender, thyme, sage, rosemary, medicinal and aromatic plant seedlings, known for easy cultivation, durability, and high added value. We also supported alternative products such as 550,000 vegetable seedlings, 30,000 salep orchids, 1,000 kg of saffron, 40,000 narcissus, and 10,000 freesia bulbs.

For areas without irrigation facilities, we supported the cultivation of 129,550 kg of wheat, sunflower, chickpeas, silage corn, caraway, and potato seeds. Some of these seeds are cultivated on lands owned by Antalya Metropolitan Municipality.

Utilizing Treated Wastewater for Agricultural Irrigation



We are addressing the agricultural irrigation problem in the Beğışsusuzu Village of Korkuteli, where farming has become impossible due to water scarcity, leading to significant emigration. Through an exemplary project, we are solving the agricultural irrigation issue by enhancing the Korkuteli Wastewater Treatment Plant with additional processes to meet the appropriate standards for irrigation. We transport the treated effluent, now suitable for agricultural irrigation, to

the Beğışsusuzu plain through a closed-system irrigation method. This pioneering initiative allows us to utilize treated wastewater for agricultural irrigation, aiming to put an end to the region's water problem, revitalize agricultural production, and encourage reverse migration.

We provide electrical energy support to farmers through Solar Power Plants



We increased the free energy support to 51 members of irrigation cooperatives and 16,428 farmer families benefiting from 10 irrigation facilities operated by the Metropolitan Municipality to 85%. From 2019 to the end of 2023, we provided a total of 165 million TL in energy support for irrigation.

By launching two closed-system Solar Power Plants (Off-grid) in Korkuteli Sülekler and Bahçeyaka, we generate energy independently from the grid, providing 100% free energy support for irrigation. Solving the region's 30-year-old problem, we supply water from a depth of 80 meters to benefit 1,100 farmer families on a total of 3,500 hectares.

ENVIRONMENTAL HEALTH PRACTICES

Air quality in Antalya is cleaner with our Air Quality Control Studies and coal inspections.

We continuously carry out our work within the scope of services for identifying sources that cause pollution and measuring and monitoring air pollution. During the winter and summer seasons, we continue our control activities with 4 measurement stations, 3 fixed and 1 mobile.



We carry out studies to ensure the analysis and control of solid fuel samples taken from the inspections carried out at the procurement, sales and consumption stages in order to check whether the solid fuels brought to be used for heating purposes comply with the determined criteria. We carry out the necessary analyzes of the coal samples taken during both the inspections and the procurement phase in the Air Pollution Control Center Laboratory. We allow the sale and use of coal that meets the coal criteria specified in the current Provincial Local Environmental Board Decisions, and we take legal action for coal that is found to be of poor quality and supplied, sold or used without permission. In 2022, we analyzed 20,603,000 kg of coal in our air quality control laboratory. By analyzing approximately 12 thousand tons of coal in 400 trucks entering the city in 2023, we took approximately 535 tons of coal out of the city without an air quality compliance certificate.

With the Vector Struggle Digital Tracking System, we reduce the use of chemical pesticides and prevent fuel waste.



By switching to a digital tracking system in vector control management, we ensure that complaints are resolved immediately, chemical use is monitored, and the vehicle and personnel system is followed.

GIS (Geographic Information Systems)-based field inspection and evaluation program, which are innovative solutions put forward by our Municipality during the fight against vectors, and vehicle tracking systems are used in the fight against vectors.

While the smart applications implemented by our municipality aim to increase the satisfaction of our citizens, we provide advantages in controlling the chemical drugs needed during the provision of these services, the number of personnel, the number of vehicle equipment, and the fuel consumption, which is a major expense item in the operation of these vehicle equipment.

ECO TOURISM

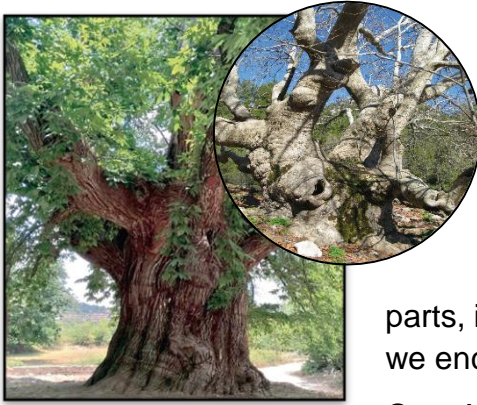
We opened a self-guided trail with Yeşilçam Nature Walking and Cycling Path.



We prepared and put into service the 38 km-long Yeşilçam Nature Walking and Bicycle Path Project, which will allow our citizens and local and foreign tourists to walk safely and easily in nature, and ride bicycles with pleasure, in the area close to the city, without the need for a guide. We present the map of the routes on the nature path to our citizens free of charge in a digital environment, using the QR codes we place on the signs in the area.

Famous Yeşilçam actors Cüneyt Arkın's 1969 films Büyük Yemin and Ala Geyik; The fact that Rüştü Asya's 1971 film Keloğlan and Fatma Girik's 1974 film Kara Veçe were shot in this region inspired the naming of this road as Yeşilçam.

We Register Our Monumental Trees



With our environmentally and nature-friendly Antalya principle, we protect our natural heritage and take care of each tree in order to protect it. In 2021, we protected the 500-year-old juniper tree we found in Konyaaltı Gökçam District by registering it as a monumental tree. Another distinguishing feature of the juniper tree, which is usually found in the upper parts, is on the roadside. By raising awareness on the subject, we encourage touristic visits and contribute to eco-tourism.

Our Antalya is very rich in monumental trees. We have prepared our booklet containing the most important monumental trees of our city. This booklet also includes the world's oldest cedar tree, 2346 years old, in Kumluca, and the 2700-year-old Gedelme Octopus Plane Tree in Kemer. We continue our work on monumental tree identification and registration.

We open Caravan Parks at International Standards



The increasing number of caravans, especially in the Konyaaltı region, with the pandemic has caused problems such as parking problems, environmental pollution, visual pollution, big debates between citizens and caravanners. As Antalya Metropolitan Municipality, we opened Konyaaltı Caravan Park, 200 meters from the Konyaaltı beach, on an area of 4,144 m², with a capacity of 50 caravans, and

social facilities and infrastructure such as showers, toilets, laundry rooms, kitchens, etc. at international standards. Our caravan park construction works continue rapidly in the Lara region, and we solve the problem of uncontrolled caravans with the service we offer in safe and hygienic conditions and contribute to the development of eco-tourism.

ENVIRONMENTAL TRAINING AND AWARENESS

We made a difference in Turkey with our Environmental Training and Innovation Center



The most effective way to protect the environment is possible by raising environmentally conscious individuals. We opened our "Environmental Training and Innovation Center" with the aim of creating an environmentally friendly city awareness. Our awareness raising activities are carried out by our professional trainers in our center, which includes many environmental topics such as environmental workshops, an

exhibition hall from waste to art, virtual reality, solar and wind energy producing systems, and a gray water treatment plant. Our Environmental Education and Innovation Center sets an example for Turkey and the World with the Best Practice Award from the Healthy Cities Association and the Blue Flag International Best Practice Examples Award from the International Foundation for Environmental Education (FEE).

In our center, which was opened on June 5, 2022, on World Environment Day, we provide environmental training through many different methods such as workshops, exhibitions, drama, interviews and film screenings for children, students, young people, women, in short, all different target groups, with volunteers and NGOs, as well as our instructors. Since the day it was opened, we have organized 242 events for 3150 visitors. We organize 183 events

for an average of 2500 visitors a year. Many delegations visited our center, which attracts national and international attention.

We organized trainings on the protection of the sea and marine creatures at the Marine Training Center.



At the Marine Training Center, which was established by the Metropolitan Municipality to develop maritime awareness and culture and to popularize marine sports, environmental training for the protection of the seas was given to students, eco-schools, sports clubs, municipal personnel, lifeguards and all relevant segments.

We inform the public with ABB TV "Environment Agenda" Program



We inform the public about important environmental issues on the agenda of our city and special environmental days by inviting experts on the subject.

We carry out awareness raising activities on national and international environmental days



We carry out many activities such as training, awareness, competitions and speeches for different target groups on special environmental days such as World Water Day, World Environment Day, European Mobility Week, Forest Week, World Biodiversity Day, which are important at national and international levels. With the activities we carry out, we contribute to the formation of environmental awareness and increase the awareness of our citizens.

We Carry out Bird Watching Activities



We carried out bird watching activities in Boğaçayı and Karaalioğlu Park. We hosted bird ringing activities in Boğazkent Science Village. We continue to organize these events at appropriate periods in order to draw attention to the importance of birds for natural life and the protection of natural resources that are vital for birds, and to inform about the long and difficult migration journey of migratory birds.

We turned Burning Trees into Art, we became the voice of the forests



Aiming to inform about climate change, protect environmental and ecological values and raise awareness, we exhibit works of art made by Akdeniz University Faculty of Fine Arts Sculpture Department, made from trees damaged by the Manavgat forest fire in 2021, in our Environmental Education and Innovation Center.

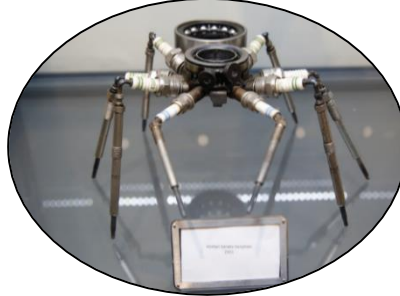
We turned our metal scrap materials into art with our students



Within the scope of our cooperation protocol with Akdeniz University, the waste metals scrapped by our municipality were transformed into works of art by students with the equipment support we provided to the Sculpture Department of the Faculty of Fine Arts. We exhibit works that combine waste materials with art in our Environmental Education and Innovation Center in order to raise awareness about the environment

and draw attention to recycling and reuse issues.

We organized recycling competitions from Waste to Art



In the event that we started with the competition titled "Waste Recycled, Antalya Wins" during the pandemic period, we ensured that the materials that would be used in daily life and thrown away as waste were re-evaluated and transformed into materials and objects to be re-used. Then, we evaluated the works that participated in the competition we held among the students of the faculty of fine arts at the national level, with the jury that was formed, and awarded the winners with a ceremony.

We provide training on preventing forest fires

It is known that the number and severity of fires increase with climate change. Whatever the cause of the fires we experience, it is extremely important to take the highest level of precautions against all risks that may cause fire, taking this fact into account. We make great efforts to support fire prevention, fire fighting and post-fire rehabilitation efforts. Within the scope of our cooperation protocol with the Turkish Foresters Association, we provide periodic training to forest villagers in order to protect and increase our forest areas, and we contribute to the awareness of target groups with the help of documents such as booklets and posters that we print on the subject.



We Provide Sustainable Agriculture Training to Our Farmers



In order for our farmers to get information about good agricultural practices, to increase productivity in agriculture and to use natural resources efficiently, during our term, approximately 33,000 producers were trained on subjects such as medicinal and aromatic plant cultivation, laurel and olive cultivation, organic agriculture, soil analysis, pruning and grafting, biological and biotechnical control, and beekeeping training.

We organize hiking trainings



In Antalya, which is very rich in terms of nature walking areas, we organize guided nature walks on different trails throughout the year by offering shuttle services, and we also organize nature trainings on topics such as setting up camps and rules of living in nature.



We provide Scouting Trainings



Our Scouting Program, which started in 2021, is one of our pioneering projects that works for young people in Antalya to grow and develop with environmental awareness while respecting nature. In the Antalya Metropolitan Municipality Scouts program, which covers children and young people between the ages of 11 and 15, the main focus is on young people learning the basics of scouting and the principles of living in nature by respecting

nature, within the framework of the theme of learning by doing and experiencing. In the ABB Scouts program, which has 75 licensed scouts, thanks to experienced leaders in their fields, many thematic camps provide training on many subjects such as techniques of living in nature, setting up tents, knot types, hiking, living in comfort in nature, first aid, camping, scouting commands, map and compass.



We Do Beach Cleaning Campaigns



We support awareness raising activities to keep the beaches of Antalya, the capital of tourism with its uniquely beautiful beaches with a 640 km coastline, clean. In this context, we carry out beach cleaning campaigns, combating marine litter, coastal cleaning days and underwater bottom cleanings with many different target groups. We categorize and exhibit the collected waste and raise public awareness.

We carry out the fight against Disposable Plastic and Microplastic with all our staff.



We support the fight against single-use plastic pollution, which has become a growing environmental problem for our world, and which has negative effects on the environment and human health, as well as climate change, in the stages of production, recycling and decomposition in nature, since its raw material is oil.

We contribute to reducing single-use

plastic consumption, minimizing economic losses, and protecting human health and nature by using glass bottles that we distribute to our municipality personnel in the purified water dispensers we place in the corridors of our service buildings.



WORKSHOPS

Environmental Transformation Workshop



In 2021, in coordination between the Antalya Metropolitan Municipality and ATSO (Antalya Chamber of Commerce and Industry), and with the collaboration of academic professional chambers, we organized the "Environmental Transformation Workshop" to contribute collaboratively to Antalya's environmental transformation. With the participation of approximately 220 individuals, including representatives from NGOs, experts, academics, and 44 public institutions, it became the most comprehensive environmental workshop in Antalya to date. The results reports compiled from the two comprehensive workshops and working group meetings were published as a book. Thirteen working groups were established to address issues related to Antalya's

water management, waste management, air quality, transportation, energy, urbanization, disaster risk, agriculture, tourism, industry, biodiversity, circular economy, and environmental education. Short, medium, and long-term solution proposals for the identified problems were outlined.

Climate Action Plan Workshops



Workshops were organized in 2020, continuing through 2021 and 2022, to prepare the "Antalya Sustainable Energy and Climate Action Plan (SECAP)." With the aim of making Antalya a climate-friendly city, workshops were conducted with the

participation of representatives from professional chambers, academics, NGO representatives, and representatives from municipalities and institutions.

EU Climate Diplomacy Week Workshop



In partnership with the European Union Delegation to Türkiye, the Antalya Metropolitan Municipality organized events for the "EU Climate Diplomacy Week 2022." Panels with titles "Climate Change and Risks and Opportunities to Increase Antalya's Resilience" and "Our Journey" were organized, discussing climate change and efforts to protect the world from the effects of global warming and climate action. As part of the event, all participants planted trees in Karaalioğlu Park, sending the message "We must take action and take care of nature."

Workshop on Climate Change Perspectives in Local Governments



To raise awareness among district municipalities about combating climate change and involve them in related efforts, a workshop titled "Perspectives of Local Governments in Antalya on Climate Change" was held. The workshop emphasized the impacts of climate change on Antalya, the evaluation of the city's resilience and coping capacity against the effects of climate change, and the importance of collaboration with all districts to become a more resilient city against climate change.

INTERNATIONALLY SUPPORTED PROJECTS AND PARTICIPATIONS

Solar Energy School

We work to expand and support the renewable energy sector in the fight against climate change.

Within the scope of "Labour Market Support Program for Young People Not in Employment Education or Training (NEETs) (NEET PRO)" we organize professional training on "Solar Panels and Photovoltaic Systems Installation, Maintenance and Repair" free of charge to 200 young people residing in Antalya, Isparta, Burdur and Mersin provinces Between the ages of 15-29 priority to be given to women



by Antalya Metropolitan Municipality by the project named "Solar School" with a grant of 325 Thousand Euros. We also provide financial support of 10 euros to 200 young people for each training day they attend. We will contribute to the employment of young people who will receive their university-approved certificates at the end of the training, in institutions and organizations that provide services in the installation, maintenance and repair of solar panels on public buildings, social institutions, farms, private residences, etc.

MatchUp Smart Urban Transformation Project



Horizon 2020 MAtchUp project, which supports the increase of smart cities in the three implementing cities of Valencia (Spain), Dresden (Germany) and Antalya (Turkey) with smart energy, smart transportation, smart infrastructure and information communication technologies initiatives, is Turkey's largest Smart Urban Transformation project. It is the first implementation of the

Ecological Smart City vision of Antalya, which hosts the project.

During the project, in addition to the smart city applications implemented by Antalya Metropolitan Municipality, our Municipality also created social strategies with citizen participation, based on a participatory approach.



CERMONI-Scenario-Based Decision Support Tool in Public Transportation Project



With the project, we aim to develop a software tool that allows public transport operators to analyze and optimize different scenarios such as regular events, irregular events, closed roads and public transport priority roads. The software will provide insights to improve operations, minimize financial losses during demand changes and enhance the overall passenger experience.

CUTLER Water Economy Project



Our project aims to grow with water economy without harming the ecosystem. Ways to benefit from the water resources (river, lake, stream, sea, etc.) in the city center and generate income without harming the ecosystem have been investigated. With the project, data was supported for the 2nd and 3rd Stage study of Düden Stream and a case study was implemented in the recreation area within the Düden Stream 1st Degree Natural Protected Area.

MiGriS Integrated Solutions in Micro Mobility: Modular and Circular Battery and LEV Systems

Our project aims to test sustainable and efficient urban mobility solutions through modular and circular battery systems with integrable battery and vehicle stations. Social acceptance and market potential of the project will be analyzed by developing models that combine microgrid charging stations, modular replaceable batteries and bi-directional charging features to provide environmentally friendly transportation options, improve quality of life and promote social inclusion.

International Symposium on Remote Sensing of Environment



The 39th International Symposium on Remote Sensing of Environment (ISRSE) was held in Antalya, Turkey in 2023 with the theme "From Human Needs to Sustainable Development Goals". As Antalya Metropolitan Municipality, we were invited as key speakers and our relevant teams to explain our projects and scientific perspective, and we made our speeches.

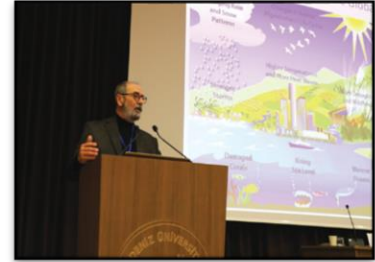
Plastic-Free Shores Plastic-Free Waters Project



In order to raise awareness about plastic pollution that threatens coasts and seas and to combat plastic pollution, we launched the "Plastic-Free Coasts, Plastic-Free Waters" project in 2023, in partnership with the Ecological Research Association (EKAD) and the Turkish Environmental Education Foundation (TÜRÇEV). Our project is of great importance in terms of the United Nations declaring this year as the year of fighting against plastic.

The "Plastic-Free Shores, Plastic-Free Waters" project, carried out with the financial support of "Turquoise Coast Environment Fund - Turkey", was carried out in Antalya's world-famous Konyaaltı Beach and Serik Boğazkent Public Beach implemented in collaboration with The Conservation Collective, MAVA Foundation, The GEF Small Grants Program (SGP) and the Support Foundation for Civil Society.

Antalya International Science Forum



We organized the international science forum between 30 November and 1 December 2023 with Akdeniz University, Water Policy Association, Friedrich Ebert Foundation Turkey Representation (Istanbul) and Turkish Research Center (Germany-Essen) to bring together researchers, experts and institution representatives who evaluate climate change in terms of migration and environmental changes, to ensure that migration and environmental crises, which are expected to increase due to climate change, are discussed at the international level and to evaluate the issue at an international level and in an interdisciplinary environment, as it is a phenomenon that transcends countries and regions.

International Eco-Climate Summit

Our municipality took its place as an invited speaker and stand holder in the exemplary practices session at the "Eco Climate Summit", the world's first economy and climate change summit held at the international level, 30-31 March 2022.



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At the summit attended by heads of state, representatives of public institutions, more than twenty international institutions and organizations, academicians from more than thirty universities, municipalities with good example practices, organized industrial zones, technoparks and sector representatives, presentations were made about the climate change fight and adaptation efforts of our Antalya Metropolitan Municipality at the local government scale.

Green and Future Cities Project

Antalya was selected as the pilot city within the scope of the "Green and Future Cities Project" prepared in cooperation with the World Bank and the Bank of Provinces. Within the scope of the project, it is aimed to support the fight against climate change of Antalya Metropolitan Municipality, which makes a difference with its environmentally and nature-friendly projects, and to increase the technical capacity of the municipality in this direction. We started to work within the scope of the project, based on the priority studies of our municipality.



EU for Energy Transition: Convention of Mayors in the Western Balkans and Turkey

As Antalya Metropolitan Municipality, we take part in the "EU for Energy Transformation: Mayors' Agreement in the Western Balkans and Turkey Project", which is jointly financed by the European Union (EU) and the German Federal Ministry for

Economic Cooperation and Development, with the aim of providing support in the implementation of our Sustainable Energy and Climate Plan.

Strengthening the Energy Efficiency Consultancy Market for the Public Sector in Turkey, Development of Energy Efficiency Financing and Energy Efficiency Consultancy Services Project



Within the scope of the Project carried out by the Energy Efficiency and Environment Department of the Ministry of Energy and Natural Resources and within the scope of the National Energy Efficiency Action Plan, aiming to increase energy efficiency investments in public buildings with energy performance contracts and financed by the World Bank, the Metropolitan Special Education School and Rehabilitation Center was opened, we prepared the energy audit report. In

the report, we made detailed studies on energy consumption, structural systems, heating systems, electrical systems, energy management and decentralized generation and renewable energy systems.

Technical Assistance Project for Increasing the Capacity of AFAD in Reducing Disaster Risks Resulting from Climate Change in Turkey and Adaptation

The aim of the project is to identify possible disaster risks, use the findings for studies aimed at reducing losses, create capacity to reduce risks, and develop technical and financial planning to increase the adaptation capacity to climate change and the resilience of stakeholders in line with EU and international policies. We are working on preparing disaster-related risk reduction and climate adaptation plans for Antalya, which was selected as one of the two pilot provinces within the scope of the project.



International Global Water Challenges and Water Management Wetskills 2023

We, as Antalya Metropolitan Municipality, were invited on behalf of Turkey to the Wetskills 2023 South Africa event, which was held between 11-23 February 2023 in Cape Town, the capital of South Africa, with 35 participants from 8 countries on global water challenges and water management. We discussed global water challenges and water management issues in an

international atmosphere with participants from different countries.



European Union Partnership Project for Local Climate Action in Turkey



The project, coordinated by the Ministry of Environment, Urbanization and Climate Change and financed by the European Union, aims to increase local decision-making and implementation capacity for climate action and develop local climate action planning capacity. At the ceremony where it was selected as one of the 6 pilot cities and the Mayors were invited to Ankara, a cooperation protocol was signed

between our Antalya Metropolitan Municipality and the Ministry of Environment, Urbanization and Climate Change, Climate Change Directorate. Within the scope of the project, which has a total grant support of 14 million Euros, technical support and grant support will be provided for the preparation of our local climate action plan and for becoming a city resistant to climate change.

Project to Improve the Efficiency and Reliability of Urban Water Distribution Systems to Combat Climate Change

We are taking action to combat water scarcity that may occur in the future within the scope of an international project that will be realized with a grant support of 433 Thousand Euros.

Within the scope of "Climate Change Adaptation Grant Programme" granted by the Republic of Turkey Ministry of Environment, Urbanisation and Climate Change, Directorate General for



European Union and Foreign Relations, international research project with the title of "Improving the Efficiency and Reliability of Urban Water Distribution Systems to Combat Climate Change" was entitled to be supported applied by Akdeniz University, co-applied by Antalya General Directorate of Water and Wastewater Administration (ASAT), Malta Energy and Water Agency and Malta Water Services Authority. The budget of the project, which has a total duration of 18 months, is 433.000 Euros.

Within the scope of the project, pilot studies of the project will be carried out in 3 isolated sub-regions to be determined in the Antalya city drinking water distribution network. In order to reduce water losses in the sub-regions, studies will be carried out on many topics such as minimum night flow analysis, hydraulic modelling, pressure management studies, meter replacement, carbon and energy footprint determination, legal legislation evaluation, and educational workshops for water administrations.

INTERNATIONAL NETWORKS, MEMBERSHIPS AND REPORTING

In the fight against climate change, in line with the targets of 40% emission reduction in 2030 and carbon neutrality in 2050, we would like to share with the cities of the world that we aim to cooperate with cities with this vision, to take part in international platforms and programmes in order to increase the visibility of our work on this issue and to increase our work in this direction.

Covenant of Mayors Europe-CoM



The Covenant of Mayors for Climate and Energy - Europe (Covenant of Mayors Europe-CoM) was launched by the European Commission in 2008 to engage and support mayors to achieve the European Union's climate and energy targets. It requires signatory local governments to reduce CO2 emissions by at least 40% by 2030 and to develop a Sustainable Energy and Climate Action Plan to increase resilience against climate change and to monitor and report at regular intervals. In 2013, we became a member of this platform and we continue our work.

Cities Race to Zero



C40 International Cities Organisation has organised the "Cities Race to Zero" programme, which aims to achieve the 1.5 °C target of the Paris Agreement, accelerate the climate actions of cities on climate and reduce carbon emissions to zero by 2050. As Antalya Metropolitan Municipality, we have participated in this programme. We aim to act with the common vision of our municipality and this programme and create a more inclusive, robust and resilient city to ensure global cooperation and achieve the goals of the Paris Agreement.

Carbon Disclosure Project (CDP)



CDP is a non-profit charity that works with investors, companies, cities, states and regions to manage their environmental impacts. CDP uses a global-scale tool to report environmental data to manage and mitigate the impacts of climate change in our region.

Antalya Metropolitan Municipality scored at the Leadership Level in this year's CDP reporting. Antalya has been a leading example of climate leadership, where extraordinary policies are needed to respond to current and future climate change impacts with the vision, goals and work it has set.

Cities4Forests



Cities4Forests International is a voluntary coalition of mayors from around the world. Cities4Forests aims to integrate forests into city development plans and programmes, reduce deforestation, restore forests (including more trees in cities) and manage them more sustainably.

One Planet City Challenge (OPCC)

WWF has been organising the One Planet City Challenge since 2011 to mobilise cities for a climate-resilient future. Within the scope of this competition, cities with ambitious goals and practices to combat climate change are highlighted to inspire all cities around the world. As Antalya Metropolitan Municipality, we took our place among the world cities for combating climate change and sustainability by participating in the One Planet City Challenge (OPCC) organised by WWF in more than 50 countries.



International Cittaslow Municipalities Network



Cittaslow (Slow Cities) is an international association of municipalities founded in Italy in 1999. The founding purpose of the movement is to prevent the cities from becoming similar and identical to each other as a result of globalisation by protecting their own identities.

As Antalya Metropolitan Municipality and Finike Municipality in Finike district, which has been selected as the 22nd Cittaslow city, take part in this network in order to protect and support our local cuisine, local architecture, traditions, customs, crafts and tradesmen.

Our Municipality, which has been supporting Finike's efforts to become a "slow city" for three years, has been involved in many meetings and participation activities related to the Cittaslow Network, which will contribute to the promotion and development of the city, protection of the environment and diversification of tourism.

We are providing the necessary coordination for Elmalı, Demre and Ibradı districts, which we think can have this title in Antalya, to be included in the calm city network. We are also taking firm steps towards gaining the title of Metropolitan Cittaslow city to Antalya.



FEE Foundation For Environmental Education

Foundation For Environmental Education (FEE) is one of the world's largest environmental education organisations with over 100 member organisations in 81 countries. The Foundation, of which our country is a member as TÜRÇEV-Turkey Environmental Education Foundation, carries out Eco-Schools, Green Key, Young Spokespersons of the Environment,

Forest in Schools programmes in addition to the Blue Flag Programme, the world's most well-known eco-label.

As a member of TÜRÇEV, Antalya Metropolitan Municipality successfully carries out the Blue Flag Programme in line with the United Nations Sustainable Development Goals and supports other programmes.

Net Zero Cities



Net Zero Cities supports Europe and especially European cities in drastically reducing greenhouse gas emissions through climate action to achieve 'climate neutrality', one of the biggest challenges facing our societies today. As Antalya Metropolitan Municipality, we have made our application by putting all our efforts to take part in this project.

CIVITAS

CIVITAS is one of the flagship programmes helping the European Commission to achieve its ambitious mobility and transport goals and thus the targets in the European Green Deal. It does this by acting as a network of cities for cities, dedicated to sustainable urban mobility and equipping cities to put mobility at the centre of decarbonisation. As Antalya Metropolitan Municipality, we have been a part of this network since 2010 and we continue to work.



MEDCITIES-Mediterranean Cities Network



The Association of Mediterranean Cities was founded in Barcelona in 1991 when 16 cities initially formed a network to promote environmental protection from a local perspective.

The network became a fully independent organisation in 2015 and now brings together 73 local authorities from all coasts of the Mediterranean basin. As Antalya Metropolitan Municipality, we continue our work by taking part in the Association to increase and develop our competence and international connections in the Mediterranean basin.

METROPOLIS

Founded in 1985, METROPOLIS is the largest organisation bringing together metropolitan cities from all over the world under the same roof. Today, the association represents around 150 metropolitan cities from Africa, the Americas and the Caribbean, Asia and the Pacific, and Europe, and also manages the metropolitan city section of the United Cities and Local Governments (UCLG). METROPOLIS aims to carry out projects on urban development in

the light of environmental, economic, social and cultural factors and to create a network of initiatives. It carries out activities in the direction of defending and representing the interests of metropolitan cities in the international arena, finding innovative solutions to metropolitan problems, providing financial and technical support to metropolitan regions in developing countries, and developing mutual learning and capacity building. In 2023, we became a member of the network and we continue to work effectively.

EIT Urban Mobility Network



The "EIT Urban Mobility Network", which was established with the aim of developing accessible, safe, sustainable, efficient and multi-modal transport systems in the face of existing problems, primarily supports the strategies and road maps of cities and local governments in this field. In addition, by addressing urban mobility from a multidisciplinary perspective, it facilitates local governments to cooperate with stakeholders in academia, NGOs, research and industry. In 2023, we are carrying out 2 projects within the scope of the network we are a member of.

OUR ENVIRONMENT AWARDS

1- AKDENİZ UNIVERSITY, ENVIRONMENTAL SERVICE AWARDS, 2019



In the evaluation of the 23rd Environmental Service Awards of Akdeniz University, we were deemed worthy of the Antalya Scale (Public Institution) Environmental Service Award because of our projects that received grants from International Organisation, our environmental education, information and awareness activities and our innovative landscaping works in 2019.

2- TÜRÇEV, NATIONAL BEST ENVIRONMENTAL EDUCATION AND AWARENESS AWARD, 2020



As a result of the evaluation of the National Blue Flag Jury of the Turkish Environmental Education Foundation (TÜRÇEV), we were awarded the "Best Environmental Education Activities" award due to our success in environmental education and awareness-raising activities throughout Turkey. Antalya Metropolitan Municipality has received this prestigious environmental award, which has been given since 2001, for the first time.

3- INGEV; SUSTAINABLE ENVIRONMENT AND ENERGY AWARD 2020



We were deemed worthy of an award in the "Sustainable Environment and Energy and Social Life" categories in the "2020 Human Development Index Metropolitans" research organized by the Human Development Foundation (İNGEV), in the study covering 30 Metropolitan Municipalities.

4- UNION OF MUNICIPALITIES OF TÜRKİYE, BICYCLE TRANSPORT IDEA PROJECT AWARD, 2020



Our Municipality was awarded with the project "Integration of Bicycle in Public Transport" Bicycle transportation idea and Idea and Project Implementation Competition for Municipalities by the Union of Municipalities of Türkiye in 2020.

In our project, bicycle-carrying apparatus were placed on 25 buses used in urban transport in Antalya and by integrating with Antalya Kart, it was ensured that public transport vehicles with bicycle-carrying apparatus can be monitored through the system.

5. UNION OF MEDITERRANEAN MUNICIPALITIES; 6TH MEDITERRANEAN MUNICIPALITIES PROJECT COMPETITION ENVIRONMENT CATEGORY SPECIAL AWARD, 2021



In the 6th Mediterranean Municipalism Project Competition organised by the Union of Mediterranean Municipalities, 41 projects by 17 different municipalities competed in 5 categories and Alanya Integrated Solid Waste Treatment, Disposal and Energy Generation Facility our Project were awarded the Jury Special Award.

6. GOLDEN CITIES ASSOCIATION; GOLDEN CITY AWARDS MOST SUCCESSFUL ENVIRONMENTALIST METROPOLITAN MUNICIPALITY AWARD 2021



We were awarded the Most Successful Environmentalist Metropolitan Municipality award by the International Golden Cities Association.

7- TÜRÇEV, NATIONAL BEST ENVIRONMENTAL EDUCATION AND AWARENESS AWARD, 2021

We were entitled to receive the "Best Environmental Education Activities" award in the category of municipalities which is organized by the Turkish Environmental Education Foundation (TÜRÇEV) every year within the scope of the International Blue Flag program.



8- ATSO, GROWTECH DIGITAL AGRICULTURE GREENHOUSE IRRIGATION TECHNOLOGIES AWARD, 2021

At the Growtech Agriculture Innovation Awards organised by the Antalya Chamber of Commerce and Industry (ATSO), Antalya Metropolitan Municipality's Digital Agriculture Project received the first prize in the Irrigation and Greenhouse Technologies category with the VAPS Project, a Wireless Monitoring System for Digital Agricultural Monitoring in greenhouses and orchards.



9- UNION OF MUNICIPALITIES OF TÜRKİYE, EUROPEAN MOBILITY WEEK AWARD 2021

617 municipalities from our country participated in the European Mobility Week in 2021. Among the activities carried out during the week, activities such as making public transportation vehicles and bicycle sharing system free all day and opening streets and boulevards to pedestrian use only on a part-time basis in the Car Free Day event were evaluated. Antalya Metropolitan Municipality was among the municipalities that won the European Mobility Week National Award.

10- THOSE WHO CONTRIBUTED TO URBAN (Kente Önem Katanlar-KÖK), ATSO (Antalya Chamber of Commerce and Industry) ENVIRONMENT AWARD, 2022

Antalya Metropolitan Municipality received an award in the environment category at the 140th foundation anniversary ceremony of the Antalya Chamber of Commerce and Industry for its "Don't Pollute the Seas with Nets" project, which was initiated to prevent expired fishing nets from becoming ghost nets in the sea.



11- UNION OF MEDITERRANEAN MUNICIPALITY; 7TH MEDITERRANEAN MUNICIPIALISIM PROJECT COMPETITION FIRST PRIZE, 2022



In the Mediterranean Municipalism Projects Competition, organized for the 7th time by the Union of Mediterranean Municipalities, we were awarded the best environment award with its project on the Production of Xerophytic Grass and Plant Species and the Dissemination of Xerophytic Landscape Arrangements. In the competition where 23 member municipalities and 54 projects participated in 5 categories, Antalya Metropolitan

Municipality won the first prize.

12- TÜRÇEV, NATIONAL BEST ENVIRONMENTAL EDUCATION EVENTS AWARD, 2022



As a result of the evaluation of the Turkish Environmental Education Foundation (TÜRÇEV) National Blue Flag Jury, Antalya Metropolitan Municipality was entitled to receive the "Best Environmental Education Activities" award due to its success in environmental education and awareness-raising activities.

13- HATAY EXPO 2022: GLOBAL CLIMATE AND LIFE AWARD, 2022

Within the scope of the International Organization Awards held in EXPO 2021 Hatay, our garden we created with xerophytic grass and plants our production; It was deemed worthy of the Global Climate and Life Award for drawing attention to fire, climate change and drought.



14- LIFE EXPO 2022; GLOBAL CLIMATE AND AWARENESS SPECIAL AWARD, 2022



Within the scope of the International Organization Awards held in EXPO 2021 Hatay with the theme "Garden of Civilizations"; Antalya Metropolitan Municipality won the Global Climate and Awareness Special Award from the International Association of Horticultural Producers (IAPH) with its climate change-themed garden.

15. HEALTHY CITIES ASSOCIATION; HEALTHY CITIES BEST PRACTICE AWARD, 2022

The Environmental Education and Innovation Center, which was opened in June 2022, aims to raise individuals with high awareness of environmental protection and respectful to ecological values, with workshops, interviews, film screenings, creative drama workshops for all age groups, primarily children. The Center received the Healthy Cities Best Practice Award by the Healthy Cities Association.



16- INTERNATIONAL WETSKILLS 2023 SOUTH AFRICA, WATER MANAGEMENT AND FIGHTING WATER CHALLENGES COMPETITION AWARD, 2023



In the Wetskills 2023 South Africa event where Antalya Metropolitan Municipality was invited on behalf of Turkey which was held with 35 participants from 8 countries, the climate crisis that threatens the whole world and on global water challenges and water management discussed, between 11- 23 February 2023 in Cape Town the capital of South Africa. "A new solution against drought: SWEFT Model" developed by the project team led by Antalya Metropolitan Municipality, which participated in the 59th Wetskills 2023 South Africa event, was awarded the first prize by the jury members.

17- TÜRÇEV, NATIONAL BEST ENVIRONMENTAL EDUCATION EVENTS AWARD, 2023

We were entitled to receive the "Best Environmental Education Activities" award, which is organized every year by the Turkish Environmental Education Foundation within the scope of the International Blue Flag program, in the municipalities category. We were entitled to receive Turkey's most important environmental award, given by TÜRÇEV since 2001, for four consecutive years.



18- INTERNATIONAL FOUNDATION FOR ENVIRONMENTAL EDUCATION (FEE), INTERNATIONAL BEST PRACTICE EXAMPLES AWARD, 2023



The International Foundation for Environmental Education -FEE organizes the International Best Practices Competition to support studies carried out in line with the United Nations Sustainable Development Goals and to strengthen the impact of the International Blue Flag Program in ensuring sustainable life. Among 45 applications from 29 countries, our Environmental Education and Innovation Center in the "Energy Saving

and Energy Management" category, both for being an exemplary building in the field of energy saving and energy management and for its sustainable living activities as a continuing education center, was awarded among the Blue Flag International Best Application Examples as one of the three best applications.

19- GOUNGZHU INTERNATIONAL URBAN INNOVATION AWARDS, BEYOND SMART CITIES; HONOR AWARD FOR EMPOWERING PEOPLE AND COMMUNITIES THROUGH TECHNOLOGY AND DIGITAL TRANSFORMATION CATEGORY, 2023



Our Environmentally Friendly Farmer Card Project, which we initiated for the control of pesticide packaging waste in the Goungzhu International Urban Innovation Award competition, which was held in China to promote the best practices in urban governance and where a total of 274 applications were made from 54 countries and 193 cities, is Beyond Smart Cities; received the Honor Award in the Empowering People and

Communities Through Technology and Digital Transformation Category.