

CLIMATE CHANGE MOVEMENTS IN BUCA



PROJECT GOALS:

- Raising awareness on climate change,
- To contribute to global and national efforts for adaptation and mitigation efforts in the fight against global climate change, at the local level, within the framework of sustainable development principles,
- To initiate a joint climate action to make Buca district resilient and safe against the effects of climate change,
- It is aimed to reduce the use of fossil fuels and greenhouse gas emissions, and to increase the use of clean and renewable energy resources.



CLIMATE CHANGE ACTION

BUCA MUNICIPALITY SUSTAINABILITY OFFICE

In line with sustainable development goals, **Buca Sustainability & Innovation Center** was established in order to produce viable projects for the solutions of our local problems and to strengthen the citizen's capacity and understanding of participation by combining the collective mind of the qualified human resources living, working and receiving training in Buca district with the power of the Buca municipality.



VOLUNTEER PARTICIPATION PLATFORM

With the participation of all our stakeholders in the district, the Volunteer Participation Platform was established for the localization of the Sustainable Development Goals. The Design Registration Certificate of the Buca Municipality Volunteer Participation Platform was obtained and it was awarded the bronze award in the Technology and Solution Award category at the 2021 LivCom Awards Finals held in London, the capital of England.



BUCA MUNICIPALITY SUSTAINABILITY MODULE PROJECT

“Buca Municipality Sustainability Module” has been designed to develop participatory and inclusive approaches in local authority process planning, to strengthen digital institutional capacity, to adopt the principle of transparency, and to align the projects/activities carried out with sustainable development goals. The Design Registration Certificate of the Module has been obtained and the software process continues.



EDUCATION

- We provide education on environmental awareness to primary school students by our Environmental Engineers.
- An online interview event **"CLIMATE CRISIS AND THE CITY"** held on with İzmir Sustainable Urban Development Network Executive Board Member Prof. Dr. Canan Madran.
- In cooperation with Climate Change Policy and Research Association President PhD. Baran Bozođlu, an interview was held on **"Problems in Waste Management in Turkey"**.
- **"Zero Carbon Emission Awareness Talk"** was organized by Prof. Mehmet Efe Biresselioglu.
- The **"Veganism in Combating the Climate Crisis"** Talk was organized by our municipality.
- In cooperation with the Bicycle Transport Development Platform (BUGEP) and our Municipality, an interview was held on **"Going to Work by Cycling"**.
- An informational interview was held with Çađrı Yıldırım, (UFUK 2020) The National Contact Point in the Energy Field, for the **Green Deal** call opened within the scope of EU Framework Programs.
- An online interview on **"Collaborations for Sustainable Development and Local Administrations"** was held for our personnel in cooperation with the Sustainability Steps Association.





WASTE MANAGEMENT

- **An average of 500 tons of domestic waste is generated per day throughout the district.** With our Zero Waste studies, we aim to reduce the amount of garbage that goes to the landfill and reduce the resulting carbon emissions.
- Recycle waste boxes are placed throughout the district and the recycle wastes in the boxes are collected regularly.
- Recyclable paper, glass, plastic and metal wastes from households throughout the district are collected by our Recycling Collection Vehicles **on the days and times determined according to the planned Recycling Calendar.**

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Yenişehir Mahallesi Çevre Temizliği ve Kurumlar Müdürlüğü tarafından hazırlanmıştır. 2023 Yılı için geçerlidir.

SİFİR ATIK | ERHAN KILIÇ
BUCA BELEDİYE BAŞKANI

- **Our 1st Class Waste Retrieval Center** approved by the Ministry of Environment, Urbanization and Climate Change has been established in 2021. 13 categories of waste are collected in this center.
- We place waste medicine boxes in pharmacies.
- We organize nature cleaning activities with our Mayor of Municipality Erhan KILIÇ.



- For children we organize a **recycling competition** every year. Environmental awards are given to children who participate and make it to the finals.
- A **"Plastic Bottle Cap Campaign"** is regularly carried out for the recycling of waste plastic caps. In return for this, wheelchairs are donated to those who are in need.
- **Clothes Collection Boxes** have been placed throughout the district.
- We participated in the **European Waste Reduction Week**, which was held with the theme of **"Invisible Waste"** in 2020.
- **We became the only local government in Turkey to be a finalist** by being nominated for the European Special Award in the category of Public Administration with the 31 Days Zero Waste Programme.
- **We collect waste oil from houses. And we have campaign named "Bring 5 liters of oil, take 1 liter of detergent."**
- As Buca Municipality, we participate in the waste battery collection competition every year.
- Awareness-raising activities have been carried out on **Waste Electrical and Electronic Equipment**, and WEEEs are collected from homes in line with requests.





AGRICULTURE

BUCA GRAPE GENE BANK PROJECT

On the land in our rural neighborhood, 13 types of grapes were planted and grown, especially the Buca Razaki grape, whose geographical marking works and processes continue. The grapes in our facility have the quality of a healthy gene bank for our producers.

LITTLE HANDS MEET THE SOIL PROJECT

Within the scope of the project, a total of 5000 vegetable seedlings in our Diamond Centers were delivered to the parents of the students who received training in our Diamond Centers, accompanied by training videos prepared by the Agricultural Services Directorate, and the seedlings were planted in recycling materials.

BALCONY GARDENING APPLICATION PROJECT

The project, which was started with the vegetable seedlings distributed in Laleli, Kozağaç, Menderes, Yiğitler, Doğancılar neighborhoods in 2020, continued with the distribution of 10,000 vegetable seedlings in total in 2021, giving priority to our citizens over the age of 65 who could not leave their homes due to Covid-19.

365 DAYS FRESH GREEN FEED PRODUCTION WITHOUT CLIMATE CONDITIONS

In the project, up to 60% savings are achieved in the feed expenses, which constitute a large part of the expenses in animal breeding, while the production provides zero waste, fuel, electricity, water, labor and time savings, and no land is needed to grow forage crops, thus ensuring the sustainability of the project. Within the scope of the project, 16770 kg of fresh green fodder was provided free of charge for 4 months to 15 farmers who make their living from farming and animal husbandry. Forage barley support is provided to our producers who cannot meet their green feed demands.

OLIVE PROJECT FOR EDUCATION

Within the scope of the project, the lands in the rural areas of our property were classified as agriculture and 7500 olives were planted. In this context, the income of olive oil obtained is evaluated as a scholarship for university students from Buca.

PROJECTS TO SUPPORT OUR MANUFACTURERS

- Grafted 2-year-old fruit saplings are procured and delivered to our producers.
- Summer vegetable seedlings are supported, and these vegetables are directly transported from the producer to the citizen by providing a market opportunity.
- For the uninterrupted continuation of the production of Kirkklar Melon and Doğancılar Okra unique to our region, fertilizer and pesticide support is provided.



GROWING ACTIVITIES OF PLANTS

- Years later, Salep, one of the values of Buca, came to life again in Doğancılar District.
- The regional farmer planted **20 thousand sahlelep tubers** supplied by our municipality and turned to high yielding and disappearing products.
- 48 thousand pieces of ball thyme, a medicinal aromatic plant with antimicrobial properties and high added value, were planted on our land in the Gölet Tesisitleri(Pond Facility).
- In the past years, with the contributions of Izmir Metropolitan Municipality, **32 thousand lavender seedlings** were distributed in our Doğancılar Village, and the project aimed to develop the region both in terms of production and tourism. Another positive contribution to Climate Change is that the planted lavender acts as a food store for the bees, increasing the honey quality in the hives and improving beekeeping production. In addition, as the citizens living in the countryside provide income with the lavender project, the migration flow from the countryside to the city has decreased.
- Olive saplings were planted with primary school students on May 15, World Climate Day.
- This year, a seed ball activity was organized with students during the World Environment Week.





TRANSPORT

OLD TRAIN STATION PROJECT

The project has been prepared to reduce carbon emissions by providing solutions to transportation and traffic problems by giving priority to environmentally friendly modes of transportation such as pedestrian and bicycle paths. In the area where the Old Train Road, which is located in the center of Buca district and started to be used as a walking and socializing area when it is out of activity, is located, work has been started for the construction of bicycle and pedestrian paths. Within the scope of the prepared project; There are bicycle, walking and jogging paths, as well as socializing areas, a playground, and areas reserved for sports.

MUNICIPAL POLICE TEAM WITH CYCLE

The team, which was created to raise awareness by spreading the use of alternative transportation vehicles in the public sphere, works with e-bikes and bicycles.

2020-2021 EUROPEAN MOBILITY WEEK ACTIVITIES

- Our Municipality participated in 2021 with the theme of **"Sustainable Transportation: Healthy and Safe Mobility"**.
- Dumlupinar District, 83. The street has been closed to motor vehicle traffic with the UKOME decision for **the car-free day**.
- Our Municipality participated in 2020 with the theme of **"Activity with Zero Carbon Emissions for All"**.
- In order to develop and expand the bicycle parking areas, bicycle locking points have been made in the areas used by the citizens.



DISASTERS

BUCA MUNICIPALITY SEARCH AND RESCUE DEPARTMENT (BUCAKUT)

Search and Rescue Unit (BUCAKUT) team was formed in order to operationalize urban resilience for a safe and resilient district against the effects of climate change.

In the fire disaster that occurred in the Antalya region in 2021, the BUCAKUT Team carried out studies in the region with catering vehicles and equipped animal ambulance.

ORGANIZING INTERNAL / OUTDOOR DISASTER AWARENESS TRAININGS

Due to the determination of 2021 as the "Turkey Disaster Education Year", a Disaster Awareness Training program was organized for the personnel of our Municipality in order to make our society resistant to disasters within the scope of the "Disaster Education Campaign". In the training program in question, the importance of disaster preparedness, risks in our living environment, disaster and emergency plan, disaster and emergency kit, correct behavior before and after the disaster, the importance of the first 6 hours in case of disaster and emergency, etc. topics are mentioned. The Disaster Awareness Training program (535) personnel attended and received training.

Our Municipality acts as a Support Solution partner for the Working Groups formed within the scope of the İzmir Provincial Disaster Response Plan (TAMP-İZMİR) prepared in line with the Turkey Disaster Response Plan (TAMP). **There are 90 emergency assembly areas in our district.**

MEMBERSHIP AND CONTRACTS

MAYORS' AGREEMENT FOR CLIMATE AND ENERGY (Covenant of Mayors Europe-CoM)

On January 6, 2022, we became a signatory to the Covenant of Mayors Europe-CoM, which brings together local administrators on energy and climate action.

In line with this contract; A commitment was made to reduce emissions by 55% by 2030 and by 80% by 2050 and to prepare a Sustainable Energy and Climate Action Plan.

TR ENERGY CITIES UNION

On October 22, 2021, it became a member of the TR Energy Cities Association, which is a public institution that aims to contribute to making renewable energy sources provide the highest added value to local development, national welfare, economy and employment.



EUROPEAN LOCAL DEMOCRACY WEEK

- Within the scope of the European Local Democracy Week organized by the Congress of Local and Regional Authorities (YBYK), our Municipality has been awarded the title of **"2020 European Local Democracy Week Partner Organization"**, based on the decision taken by the YBYK Bureau on February 12, 2021.



- Our municipality, which has been carrying out activities for 2021 within the framework of the ELDW 2021-2022 theme **"Protecting the Environment: Local Communities Take Action"**, was entitled to receive the title of **"2021 European Local Democracy Week Partner Organization"** at the Annual Coordination Meeting held in Strasbourg on 25.02.2022.



IICLEI LOCAL GOVERNMENTS MEMBERSHIP FOR EUROPE-SUSTAINABILITY

Local Governments for Sustainability (ICLEI) in order to establish project-based collaborations on SDG 5, SDG7, SDG10, SDG11, SDG12, SDG13, SDG16, SDG 17, access financial resources, develop institutional capacity, share international best practices and establish sister city relationships. **We became a member of on May 4, 2022.**



Capacity Building of Municipalities for Low Emission and Climate Resistant Cities Project

Within the scope of "**Strengthening the Capacity of Municipalities for Low-Emission and Climate Resistant Cities**", prepared in cooperation with Lund University Environment and Climate Studies Center(CEC), it is aimed to ensure that the participating municipalities lead in the reflection of SDG 11&13 in their local government policies and to initiate local climate action studies.

The Mayors of Seferihisar, Çiğli, Kemalpaşa and Buca Municipality came together within the scope of the Project of Strengthening the Capacity of Municipalities for Low Emission and Climate Resistant Cities. In line with this meeting of Presidents, four municipalities committed to preparing climate action plans and establishing climate directorates.

And then, a Sustainable Energy and Climate Action Plan (SECAP) Management Meeting was held for unit managers to improve institutional capacity against the climate crisis, and a Project Sharing Meeting was held with the participation of other district municipalities.



STRENGTHENING THE CAPACITY OF MUNICIPALITIES FOR CITIES WITH LOW EMISSIONS AND CLIMATE RESISTANCE PROJECT SURVEY REPORT

The survey was opened to the public in the digital environment between 27.01.2022 and 02.02.2022; It was announced via corporate social media accounts, in-house intranet pop-ups and SMS. A thank you e-mail was sent to the citizens who participated in the survey and wished to become "Climate Volunteers".

Buca Municipality Sustainability Office & Bucamar A.Ş & AIESEC - Green Leaders

Buca Municipality Sustainability and Innovation Center & Bucamar A.Ş, in cooperation with the Izmir branch of AIESEC, the world's largest youth organization; It hosted 8 exchange students from Tunisia, Pakistan, Romania and Azerbaijan. Young people who received training for 6 weeks within the scope of the 'Green Leaders' project gained knowledge by examining Buca Municipality's works in the field of sustainability, climate change and zero waste. For 6 weeks young people, who received training under the coordination of Prof. Dr. Canan Madran, learned about the climate crisis that the world is facing. The youth, who also examined the activities of Buca Municipality in the field of agriculture, toured the compost fertilizer facility and received training from the authorities. In addition, with the presentations of Environmental Engineers from the Climate Change and Zero Waste Directorate of Buca Municipality, they were informed about the studies carried out in Turkey and in the world. AIESEC students completed the project by presenting their presentations, which they created with the knowledge they gained for 6 weeks, at the organized event.



You can follow our works via QR code.



AV. **ERHAN KILIÇ**
MAYOR OF **BUCA MUNICIPALITY**

