Boğaziçi University Sustainable Development Goals Progress Report

November • 2026

12

Boğaziçi University

PUBLICATION

November • 2026

Boğaziçi University

AUTHORS

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Sustainable Development Goal 12:

Responsible Consumption and Production



12

SDG 12: Responsible Consumption and Production – Zero Waste, Circular Economy and Green Procurement

THE IMPACT RATINGS 2026

77.8 / 100 Points

Sustainable Consumption and Waste Performance
Ranked in the global 101–200 band in THE Impact 2026

78.2 Tonnes

Annual Recycling

Circular recycling of paper, plastic, glass, medical, chemical and organic waste

100%

Waste Oil Conversion

Conversion of 6,305 kg of vegetable waste oil per year into biodiesel at licensed facilities

SOLID WASTE SEPARATION AND RECYCLING OUTPUTS (2025)

23.4 t Paper | 11.7 t Plastic | 33.4 t Food

Licensed monitoring through EÇBS (TABS/MOTAT), six-stream waste separation stations and hazardous waste storage areas

ISO 20400 & Zero Waste
Ministry-approved Basic Level Zero Waste Certificate and sustainable procurement

SOURCE SEPARATION AND DISPOSAL

Six-Stream Colour-Coded Sets

Source separation of paper, plastic, glass, metal, organic and household waste

HAZARDOUS AND ELECTRONIC WASTE

TABS & MOTAT System

850 kg of chemical waste, 1,545 kg of medical waste, e-waste cages and cartridge tracking forms

CIRCULAR INNOVATION AND R&D

Val-PLAS & Bioeconomy

Horizon Europe MSCA plastic transformation, wood vinegar and Twin Transformation Platform

Sustainable Procurement Standards, Waste Reduction and Institutional Circularity

ISO 20400	Single-Use Plastic Reduction	100 kg/day	KAKAD / ISWA	5 Sectors
Green Procurement	Water Bottle Filling Stations	Organic Fertiliser Production	National Solid Waste Representation	Twin Transformation Platform

Ethical Resource Policy

As Boğaziçi University, we carry out our food and material procurement processes responsibly by adhering to sustainability and ethical values. Our Sustainable Procurement Policy, prepared by the Tender and Procurement Branch Directorate of the Department of Administrative and Financial Affairs of our university, adopts a sustainable approach that takes into account environmental and social impacts in all procurement processes while ensuring safe and fair working conditions for employees.

Sustainable Purchasing Policy

Purchasing processes at our university are carried out based on the international ISO 20400 Sustainable Purchasing Standard. In this context, four main priorities have been identified:

- Needs Analysis: Unnecessary purchases are prevented by conducting a realistic needs analysis.
- Cost Analysis: In addition to the price of products, quality, durability and environmental impacts are also taken into consideration.
- Supply Chain Management: Local and environmentally friendly suppliers are preferred to ensure the protection of natural resources.

Recycling: It is aimed to reduce the amount of waste by supporting recycling and reuse processes



Click here for Boğaziçi University Sustainable Procurement Policy:
https://kurumsalveri.bogazici.edu.tr/tr/pages/1221-ethical-sourcing-policy/1416

Click here for more information about ISO 20400:
https://www.iso.org/files/live/sites/isoorg/files/store/en/ISO%2020400_Sustainable_procur.pdf

Ethical Resource Policy

Benefits of Sustainable Resource Utilisation

- Minimising Environmental Impact: Choosing local and environmentally friendly suppliers contributes to the protection of natural resources by reducing the carbon footprint.
- Healthy and Safe Food: Food products are supplied in accordance with the Foodstuffs Regulation (GMT) and Turkish Standards Institute (TSE) standards, thus supporting healthy and sustainable nutrition on campus.
- Fair and Safe Working Conditions: We ensure that the rights of our suppliers and employees of the companies from which we receive services are protected and that they work in a safe working environment. In this context, the rights of the personnel working in Boğaziçi University cafeteria services are secured by the contract signed between the Department of Health, Culture and Sports and the contractor company. According to the contract, the contractor company is obliged to ensure the occupational health and safety of its employees, to benefit from the services of occupational safety experts and workplace physicians, to provide health surveillance and to prevent occupational risks.

> **Click here for the Contract for Cafeteria Service Procurement:**
> https://drive.google.com/file/d/1Tu1UKMckNieahgH7Sjb_qmJu9kz0iTAv/view?pli=1

Within this framework, Boğaziçi University adopts ethical and sustainable sourcing not only as a principle but also as a fundamental value that it applies responsibly in its entire supply chain.

Hazardous Waste Management

Boğaziçi University follows a rigorous policy in the management of hazardous wastes that pose a risk to human health, the environment and natural resources in accordance with the legislation of the Republic of Turkey. Based on the principles of environmental sustainability, comprehensive processes and practices have been developed to store and dispose of these wastes in a safe, effective and environmentally sensitive manner. These processes applied according to the types of hazardous wastes are detailed below.

Laboratory Chemicals and Other Chemicals

Chemicals with explosive, oxidising, flammable, irritating, corrosive, toxic, carcinogenic, mutagenic or ecotoxic properties are recorded and stored in the hazardous waste temporary storage area separately from other wastes in accordance with the Waste Management Regulation (OG: 02.04.2015-29314). These wastes classified according to waste codes are removed by licensed vehicles of industrial waste disposal facilities.

Waste Management Regulation:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=20644&MevzuatTur=7&MevzuatTertip=5

Click here to visit the related Green Campus page:
https://yesilkampus.bogazici.edu.tr/tr/pages/tehlikeli-atik-yonetimi/6922







Medical Waste

In accordance with the Regulation on the Control of Medical Waste (RG:

25.01.2017-29959), medical waste generated in the infirmary and research laboratories of the University is collected in non-recoverable and non-reusable red medical waste bags with the international biohazard emblem on them and stored safely in medical waste temporary storages. These wastes are regularly removed by licensed medical waste vehicles of Istanbul Metropolitan Municipality (IMM) and disposed of by sterilisation or incineration at IMM facilities. The annual amount of medical waste is reported to the Waste Declaration System of the Ministry of Environment, Urbanisation and Climate Change.

Regulation on Control of Medical Wastes:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=23273&MevzuatTur=7&MevzuatTertip=5

Click here to visit the related Green Campus page:
https://yesilkampus.bogazici.edu.tr/tr/pages/tibbi-atik-yonetimi/6924





Medical Waste





Electronic Waste

Electronic equipment released as waste may pose a risk to the environment due to the hazardous metals and components contained in it. Electrical and electronic wastes belonging to the university are collected in accordance with the Regulation on the Control of Waste Electrical and Electronic Equipment (RG: 26.12.2022-32055) and delivered to authorised institutions to be evaluated in the recovery process.

Regulation on the Management of Waste Electrical and Electronic Equipment:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=40055&MevzuatTur=7&MevzuatTertip=5

Click here to visit the related Green Campus page:
https://yesilkampus.bogazici.edu.tr/tr/pages/elektronik-atiklar/6920



Waste Electrical and Electronic Equipment Removal Form

BOĞAZİÇİ ÜNİVERSİTESİ 'SÜRDÜRÜLEBİLİR YEŞİL KAMPÜS' UYGULAMALARI

ATIK ELEKTRİKLİ VE ELEKTRONİK EŞYALAR UZAKLAŞTIRILMASI FORMU

Tarih :	
Teslim eden : (Kurum/Firma/Kişi)	
Teslim alan : (Kurum/Firma/Kişi)	
Teslim edilen atık miktarı : Teslim şekli (kutu/poşet) :	
TESLİM EDEN (AD/SOYAD/İMZA)	TESLİM ALAN (AD/SOYAD/İMZA)
ONAY : PROF. DR. NİLGÜN CILIZ SÜRDÜRÜLEBİLİR YEŞİL KAMPÜS KOORDİNATÖRÜ	

Fluorescent Lamps

In order to reduce the amount of fluorescent waste and increase energy efficiency, LED lighting system has been switched to many buildings of the University. Fluorescent lamps, which are classified as hazardous waste due to the mercury they contain, are kept in the hazardous waste temporary storage area until the recovery and disposal process and sent to licensed processing facilities in accordance with the Regulation on the Control of Waste Electrical and Electronic Equipment (OG: 26.12.2022-32055).

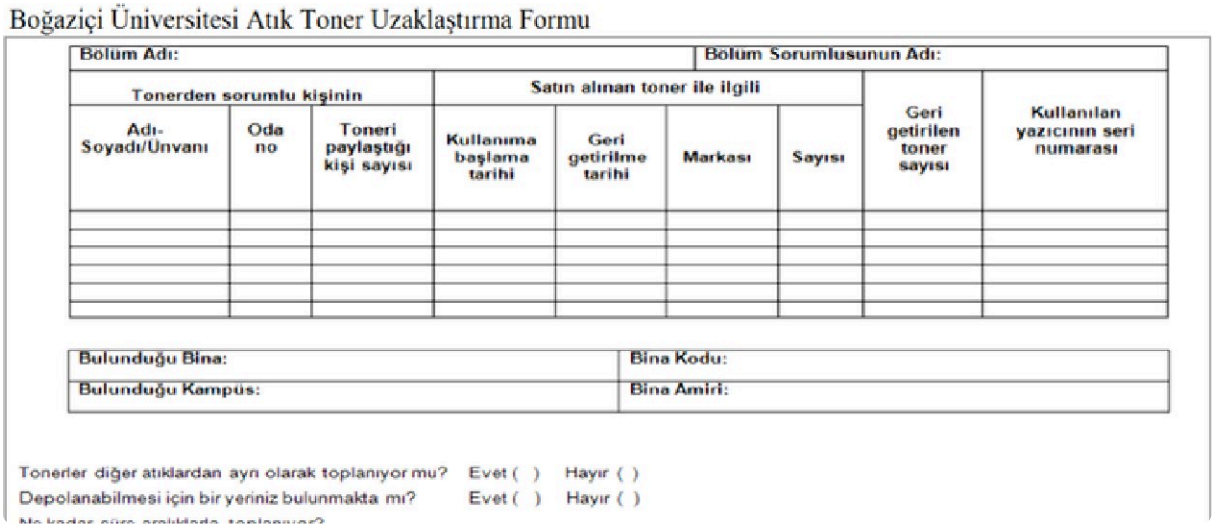


Waste Toner and Cartridges

In order to reduce the amount of waste in stationery products, sustainable options such as refillable toners and cartridges are preferred in offices. Toner and cartridge wastes that are released after use are recorded and collected by department secretariats and delivered to building support services officers. 'Toner Waste Collection Forms' are filled in regularly to monitor the waste, thus the monthly amount of waste is determined. The collected waste toners and cartridges are sent by the University administration to authorised institutions for recycling within the framework of the Waste Management Regulation (RG:

02.04.2015-29314).

Click here to visit the related Green Campus page:
https://yesilkampus.bogazici.edu.tr/tr/pages/toner-atiklari/6923



Boğaziçi Üniversitesi Atık Toner Uzaklaştırma Formu

Bölüm Adı:							Bölüm Sorumlusunun Adı:	
Tonerden sorumlu kişinin			Satın alınan toner ile ilgili				Geri getirilen toner sayısı	Kullanılan yazıcının seri numarası
Adı-Soyadı/Unvanı	Oda no	Toneri paylaştığı kişi sayısı	Kullanıma başlama tarihi	Geri getirilme tarihi	Markası	Sayısı		

Bulunduğu Bina:	Bina Kodu:
Bulunduğu Kampüs:	Bina Amiri:

Tonerler diğer atıklardan ayrı olarak toplanıyor mu? Evet ( ) Hayır ( )
Depolanabilmesi için bir yeriniz bulunmakta mı? Evet ( ) Hayır ( )

Boğaziçi University Waste Toner Removal Form

Waste Batteries

Waste batteries, especially those containing toxic metals such as lead, mercury, cadmium and nickel, carry serious risks for the environment and human health. For this reason, waste batteries collected in battery collection boxes in university buildings are delivered to authorised institutions for recycling within the scope of the Regulation on the Control of Waste Batteries and Accumulators (OG: 31.08.2004-25569).

Regulation on Control of Waste Batteries and Accumulators:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=7118&MevzuatTur=7&MevzuatTertip=5

Domestic Waste Management: Landfill and Recovery

As an active member of the ‘Zero Waste’ project initiated by the Ministry of Environment, Urbanisation and Climate,Boğaziçi University has been taking a leading role in sustainable waste management practices since 2014. Honoured in 2018 with the ‘Zero Waste - Good Future Award’, the university aims to achieve environmental sustainability and efficient use of resources in all waste management processes. In this direction, based on the Zero Waste Regulation (OG: 12.07.2019-30829) and Waste Management Regulation (OG: 02.04.2015-29314), within the framework of integrated solid waste management; waste prevention, waste reduction, reuse, recycling, energy recovery and disposal hierarchy is applied. The amount of waste collected and recycled throughout the university is regularly recorded and monitored.

Boğaziçi University has implemented the following practices in order to effectively manage domestic waste and minimise environmental impacts:

Zero Waste Regulation
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=32659&MevzuatTur=7&MevzuatTertip=5

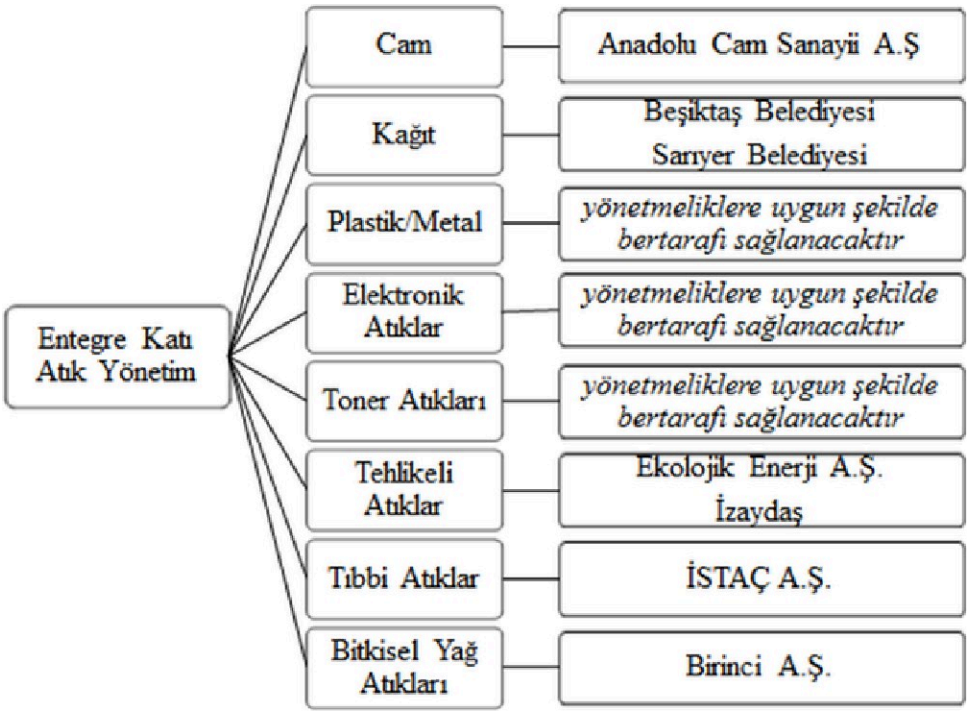
Waste Management Regulation
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=20644&MevzuatTur=7&MevzuatTertip=5

Boğaziçi University Waste Management Policy
https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_waste_disposal_and_landfill_policy.pdf

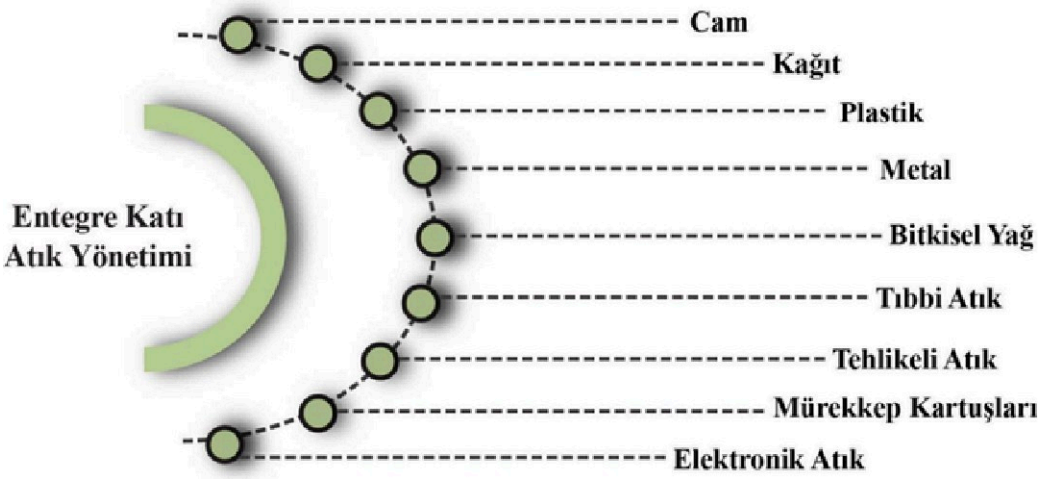


SIFIR ATIK

Domestic Waste Management: Landfill and Recovery



Boğaziçi University Integrated Solid Waste Management Scheme



Boğaziçi University Integrated Solid Waste Management Scheme

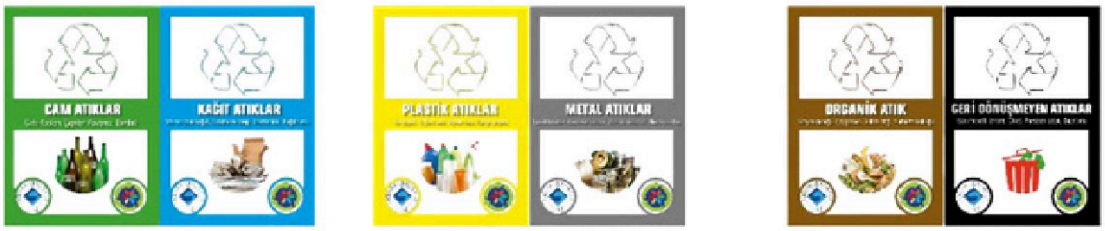
Solid Waste Sorting Sets

Within the scope of ‘Zero Waste’ practices, within the scope of Zero Waste Regulation (OG: 12.07.2019-30829), Waste Management Regulation (OG:

02.04.2015-29314) and Regulation on the Control of Packaging Waste (OG:

26.06.2021-31523), six separation sets and battery collection boxes in different colours for paper, plastic, glass, metal, organic and non-recyclable wastes have been placed in most of the university buildings. In some buildings, there are triple sorting sets and battery collection boxes, and glass bins have been placed in open areas of the campus.

Cam Atıklar	Kağıt Atıklar	Plastik Atıklar	Metal Atıklar	Organik Atıklar	Geri Dönüşmeyen Atıklar



Yeşil poşet	Mavi poşet	Sarı poşet	Gri Poşet	Kahverengi poşet	Siyah poşet



Solid Waste Sorting Sets





Recyclable wastes such as paper, plastic, glass and metal accumulated in sorting sets are collected in temporary storage areas on campuses, their quantities are recorded and delivered to licensed facilities for recycling. This practice ensures effective separation of recyclable waste and increases logistics efficiency by optimising the frequency of collection. Non-recyclable household waste is collected by the municipality for disposal in landfills.

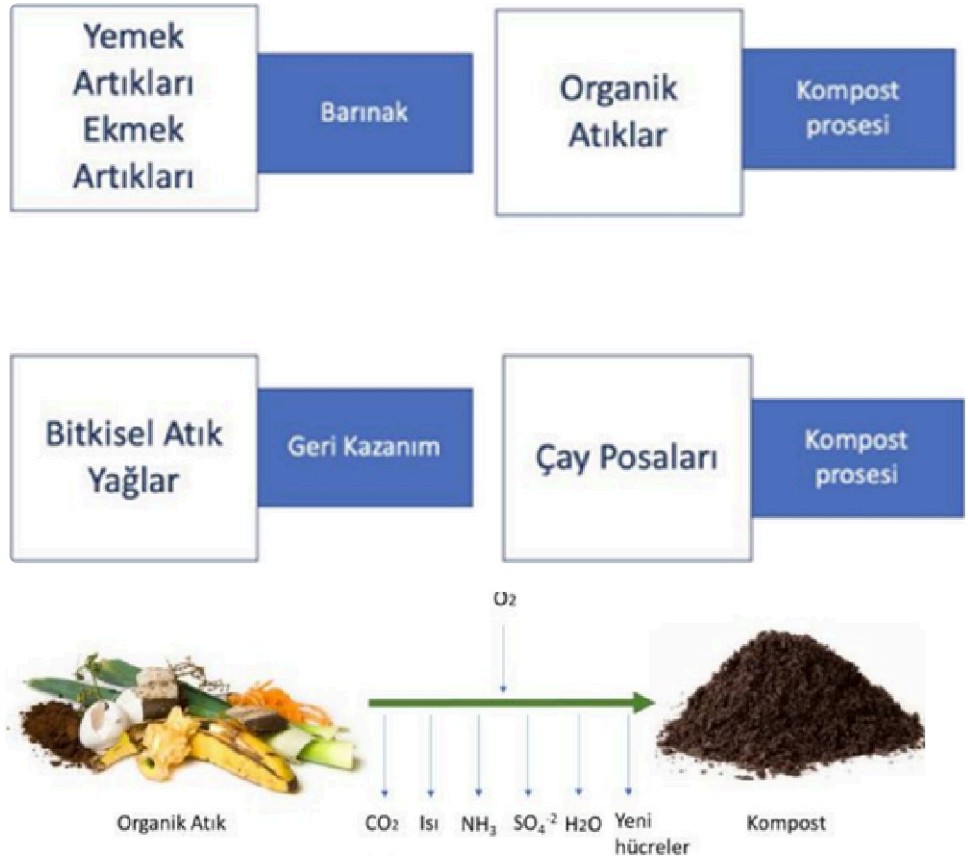
Click here to visit the relevant Green Campus pages:
https://yesilkampus.bogazici.edu.tr/tr/pages/uygulamalarimiz/6936

https://yesilkampus.bogazici.edu.tr/tr/pages/geri-kazanilabilir-atik-yonetimi/6921



Organic Waste

Wastes from dining halls and canteens and organic wastes suitable for composting such as fruit and vegetable peels, egg shells and tea pulp collected throughout the campus are processed at the Boğaziçi University Compost Facility and used as soil conditioners in campus green areas. In addition, some cafeteria wastes that are not sent to the composting facility can be sent to animal shelters with the knowledge and approval of the University after being separated from toothpicks and napkins.



The compost unit, which was established in September 2018 in cooperation with Boğaziçi University Directorate of Building Works, has a daily processing capacity of 100 kg of organic waste in South Campus. Thanks to this unit, organic waste from the campus is converted into biomass, and every 5-10 litres of biomass obtained can feed 1 m² of lawn area.

Compost Unit





Vegetable Waste Oils

Waste frying oils generated in dining halls and canteens are regularly reported and taken from waste oil collection points and sent to authorised recycling facilities for biodiesel production within the scope of the Regulation on the Control of Vegetable Waste Oils (OG: 06.06.2015-29378).

Regulation on Control of Vegetable Waste Oils:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=20817&MevzuatTur=7&MevzuatTertip=5

Reduction of Plastic and Disposable Products Policy

Boğaziçi University follows a comprehensive policy and carries out various practices to reduce plastic and disposable products in line with its sustainable campus goals. Our university takes innovative steps within the framework of the 'Zero Waste' movement in order to reduce plastic consumption and encourage environmentally friendly alternatives, and supports these policies with education, infrastructure, sorting and recycling activities.



Zero Waste Practices

Boğaziçi University supports the ‘Zero Waste’ movement, initiated by the Ministry of Environment, Urbanisation and Climate Change and covering the whole of Turkey, on all campuses. According to the ‘Zero Waste’ certificate scoring criteria, certificate levels are determined by the Ministry according to the rate of reduction in the amount of waste going to disposal. In accordance with Annex 4 of the Zero Waste Regulation (OG: 12.07.2019-30829), this ratio must be at least 15% in order to apply for a qualified certificate. This regulation encourages the reduction of plastic and disposable product waste in line with ‘Zero Waste’ targets.

Zero Waste Regulation:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=32659&MevzuatTur=7&MevzuatTertip=5

Click here to read related news:
https://haberler.bogazici.edu.tr/tr/news/kampus/2/bogazici-universitesinde-sifir-atik-seferberl/1450

https://sdcpc.bogazici.edu.tr/tr/news-06.asp









Separation and Recovery at Source

At Boğaziçi University, within the scope of the zero waste management system, recyclable paper, glass, metal and plastic wastes are separated at source separately from other wastes and collected in solid waste separation sets. The waste collected in this way is transported to temporary storage areas on campuses and delivered to licensed facilities for recycling. This practice ensures effective separation of wastes and contributes to the recycling of plastic wastes and recyclable disposable product wastes without mixing with nature.

Boğaziçi University Waste Management Policy:
https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_waste_disposal_and_landfill_policy.pdf





Drinking Water Fountains and Dispensers

Free drinking water fountains and water dispensers connected to the central treatment system have been installed in open and closed areas on Boğaziçi University campuses. The fountains are located at strategic points so that campus residents can easily access water. This practice contributes to the reduction of single-use plastic bottle waste by encouraging students to use thermos and glass bottles.
Click here to read the related news:

> https://haberler.bogazici.edu.tr/tr/news/kampus/2/hijyenik-cesmeler-kampuslere-yerlesti/1718



Training and Awareness Raising Activities

Within the scope of Zero Waste activities, which were decided to be implemented by the Boğaziçi University Rectorate as of April 2018, various training and awareness-raising activities are carried out by the Sustainable Green Campus Practices Commission. In this context, 'Zero Waste' trainings are provided for administrative staff and students, and informative meetings are organised with businesses such as canteens and stationery stores on the collection of recyclable waste. These activities raise awareness of sustainability on campus and support the reduction of plastic waste and disposable product waste.

> **Click here to visit the related Green Campus page:**
> https://yesilkampus.bogazici.edu.tr/tr/pages/idari-personel-egitimleri-entegre-kati-atik-y/6879

Training and Awareness Raising Activities





National Policy Recommendations

In the 'Plastic Waste Problem in Turkey and Policy Recommendations' report prepared by Boğaziçi University Institute of Environmental Sciences and WWF-Turkey (World Wildlife Fund) in 2021, comprehensive short, medium and long term policy-level solutions were proposed to reduce the use of plastic and disposable products and promote environmentally friendly alternatives. In this context, some of the policies proposed to reduce plastic and single-use products in Turkey are as follows:

- Restricting Single Use Plastics and Promoting Alternative Products: Various incentives should be implemented to replace single-use plastic products with alternatives that can be used more than once. In this context, it is recommended to impose a higher tax on single-use plastic products.

- Development of Deposit Return Systems: The expansion of deposit return systems, especially for beverage packaging, will be an important step to support the recovery of plastic bottles. A system should be established in which all producers will be included and small retailers can be used as collection or deposit return points when necessary. The deposit return system has the potential to significantly reduce the amount of waste as well as making a great contribution to the national economy.
- Establishment of Refill Stations: In the drinking water and soft drink sector, which is one of the areas where single-use plastic bottles are most widely used, it is recommended that refilling stations be established and made widespread throughout the country. These stations stand out as an effective solution to reduce the consumption of single-use plastics.
- Green Public Procurement: Preferring environmentally friendly and sustainable products in public procurement is an important strategy to reduce the consumption of single-use plastics. Adding criteria for green public procurement to the current laws on waste management and public procurement and applying these criteria to service procurement will reduce the use of plastic raw materials and contribute to recycling.
- Education and Awareness Raising: In order to better understand the effects of plastic pollution and reduce plastic consumption, it is recommended to implement awareness-raising campaigns and training programmes at national and local level. These efforts will be an effective tool to raise awareness in the society and encourage them to reduce the use of plastics.

National Policy Recommendations

These recommendations are seen as important and effective steps in the fight against plastic and single-use product pollution in Turkey. The report constitutes an important part of our University's fight against the plastic waste problem.

Click here to read the Plastic Waste Problem in Turkey and Policy Recommendations Report:
https://wwftr.awsassets.panda.org/downloads/plastikwebkucuk_1.pdf

Click here to read the related news:
https://haberler.bogazici.edu.tr/tr/news/bilim/4/bogazici-universitesi-ile-wwf-turkiyeden-plas/2501



Research and Audit Activities

The Turkish National Committee for Solid Waste Pollution Research and Control (KAKAD) was established within Boğaziçi University with the regulation published in the Official Gazette dated 11 April 1989 and numbered

20136. KAKAD initially started its activities with the participation of faculty members from Boğaziçi University, Istanbul Technical University, Middle East Technical University and Dokuz Eylül University, and then continued its activities by growing with the participation of individuals and organisations.

Within KAKAD, there are working groups such as Waste Minimisation and Recovery, Landfill, Circular Economy and Sustainable Development, and some of the main objectives of the Committee are as follows:

- Encouraging, conducting and supporting research and audit studies on solid waste in Turkey; organising scientific meetings and publishing publications.
- To cooperate with public and private institutions in order to control and minimise pollution caused by solid wastes in Turkey.
- Representing Turkey as a member organisation within the 'International Solid Wastes and Public Cleansing Association (ISWA)'
- Organising activities such as congresses, symposiums, seminars and courses in cooperation with ISWA and different universities; bringing together local governments, public and private sector organisations, students with experts in the field and helping them find solutions to local environmental problems with the National Symposium held at a different university every year.

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Within this framework, KAKAD supports both academic and applied studies in the field of solid waste management in Turkey and carries out a wide range of activities to raise awareness in this field.

Click here to visit KAKAD website
https://kakad.bogazici.edu.tr/

Complementary Research and Innovation on Plastic Waste Valorisation

In addition to its institutional efforts to minimise plastic use and manage waste responsibly, Boğaziçi University contributes to research and innovation addressing plastic waste valorisation. In 2025, the project titled **"Intelligent Microbial Platform for Plastic Valorisation via AI-guided Synthetic Biology"** (Val-PLAS) received support under the Marie Skłodowska-Curie Actions Postdoctoral Fellowships (MSCA-PF) scheme, implemented within the European Union's Horizon Europe Programme. The project will be led by Dr. Koray Malcı, a faculty member in Boğaziçi University's Department of Molecular Biology and Genetics, under the supervision of Assoc. Prof. Ulaş Tezel from the Institute of Environmental Sciences.



Complementary Research and Innovation on Plastic Waste Valorisation

The Val-PLAS project focuses on developing intelligent microbial platforms and AI-guided synthetic biology approaches to valorise plastic waste. By exploring innovative biological and computational methods to convert plastic waste into useful products, the project supports broader scientific efforts to address plastic pollution, improve resource efficiency, and advance circular economy-oriented solutions. In this context, the project further demonstrates Boğaziçi University's research capacity in developing advanced, interdisciplinary solutions for plastic waste management and sustainable material use.

The full news article is available here.

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain

Boğaziçi University does not limit the policies developed in line with sustainability and waste minimisation targets to on-campus units, but extends them to service procurement, outsourced suppliers and the entire supply chain. The university's sustainable procurement policy is based on a model that aims to minimise environmental, social and economic impacts. In this direction, it is aimed to procure all products used within the university according to sustainable procurement principles and to reduce the amount of waste arising from the supply chain. The measures taken by our university in this context are listed below:

Catering Services:

- Boğaziçi University implements a co-operation model covering all procurement, preparation and service processes for breakfast and catering services offered in campus cafeterias. These services are provided by the contractor company in accordance with a comprehensive technical specification prepared by the Department of Health, Culture and Sports. The contract signed between the university and the contractor company is based on the principle of sustainability and transparent processes, and cafeterias are regularly visited to evaluate zero waste practices.

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain

Zero Waste Sanctions for Businesses:

- Informative meetings were organised for businesses such as canteens and stationery stores within Boğaziçi University regarding the sanctions regarding the 'Zero Waste' application and efforts were made to add the 'Zero Waste' application to the lease agreements.

Stationery Products:

- Reusable, refillable, recycled, vegetable and water-based stationery products with recycled content are preferred in offices.

Furniture and Construction Materials:

- Recycled or refurbished, sustainably sourced, locally produced and environmentally certified furniture and construction materials are used.

Electronic Products:



- Energy-efficient, energy-efficient, certified, recycled and repairable electronic products are preferred.

Laboratory Materials and Equipment:

- Laboratory materials and equipment with certified and recycled content are preferred.

Transport Vehicles:

- The purchase of vehicles with low environmental impact and low fuel consumption is encouraged.

Building Works and Technical Projects:

- Boğaziçi University Building Works and Technical Department prioritises sustainable construction through various projects, standards and practices such as KABEV and KADEV projects, Energy Performance Contract (EPS), ISO 9001, ISO 50001, LEED Certificates and LED transformation.

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain



Certificate

A'ND

International Certification Registrar

BOGAZICI UNIVERSITESI

BEBEK MAH. CEVDETPASA CAD. BOGAZICI UNIVERSITESI NO:115 BESIKTAS ISTANBUL
GUNEY KAMPUS: BOGAZICI UNIVERSITESI GUNEY KAMPUS 34342 BEBEK/ISTANBUL
KUZEY KAMPUS: RUMELI HISARI, HISAR USTU NISPETIYE CD NO:7, 34342 SARIYER/ISTANBUL

A'ND certify that the system and processes of the above Organization have been assessed and found in accordance With the requirements of the Quality Management Systems detailed below.

ISO 9001:2015

Scope

EDUCATIONAL AND RESEARCH ACTIVITIES, SCIENTIFIC, CULTURAL, ARTISTIC AND SPORTS ACTIVITIES AND ADMINISTRATIVE SERVICES FOR THESE ACTIVITIES

Certificate No. : TR0277/2022

Date of Initial Registration : 22 December 2022

Expiry Date : 21 December 2025

This document is valid between 22.12.2023-21.12.2024

Director

IAF

TÜRKAK

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain



Certificate

A'ND

Assurance and Certification Register

BOGAZICI UNIVERSITESI

GUNEY KAMPUS: BOGAZICI UNIVERSITESI GUNEY KAMPUS 34342 BEBEK/ISTANBUL
KUZEY KAMPUS: RUMELI HISARI, HISAR USTU MUFETTIYE CD NO 7, 34342 SARIYER/ISTANBUL
HISAR KAMPUS: HISARUSTU, MUFETTIYE CADDESI, RUMELIHISARI, SARIYER/ISTANBUL
KANDILLI KAMPUS: KANDILLI MAHALLESI, VANIKOY CADDESI, ESRUF BITLIS SOKAK, USKUDAR/ISTANBUL
SARITEPE KAMPUS: BOGAZICI UNIVERSITESI, SARITEPE KAMPUSU, SARIYER/ISTANBUL
UCAKSAVAR KAMPUS: CENGIZ TOPEL CADDESI, OZDEN SOKAK, RUMELIHISARI, BESIKTAS/ISTANBUL

A'ND certify that the system and processes of the above Organization have been assessed and found in accordance With the requirements of the Energy Management Systems detailed below.

ISO 50001:2018

Scope

EDUCATIONAL AND RESEARCH ACTIVITIES, SCIENTIFIC, CULTURAL, ARTISTIC AND SPORTS ACTIVITIES AND ADMINISTRATIVE SERVICES FOR THESE ACTIVITIES

Certificate No : 150001/01/2022
Date of Initial Registration : 22 December 2022
Expiry Date : 21 December 2025

This document is valid between 22.12.2023-21.12.2024

Director

IAF

TÜRKAK

A'ND

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain

You can find more information about the impacts of Boğaziçi University's waste minimisation and sustainability policies on outsourced suppliers and supply chain from the links below:

Zero Waste Regulation:
https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=32659&MevzuatTur=7&MevzuatTertip=5

Boğaziçi University Waste Management Policy:
https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_waste_disposal_and_landfill_policy.pdf

Boğaziçi University Sustainable Purchasing Policy:
https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/sustainable_supply_and_procurement_policy.pdf

Zero Waste Meetings for Businesses:
https://yesilkampus.bogazici.edu.tr/tr/announcements/sifir-atik-egitimleri-devam-ediyor/4940

KABEV Project North Campus Environmental and Social Management Plan:
https://www.kabev.org/wp-content/uploads/2023/05/Bogazici-Universitesi_Kuzey-Kampusu-CSYP_Taslak.pdf

KADEV Project Kilyos Sarıtepe Campus Environmental and Social Management Plan:
https://bogazici.edu.tr/Assets/Documents/Dosyalar/SREEPB_DESSUP_01_BOUN_KILYOSCAMP_ESMP_WB_PIU_CLEAN_1.pdf

LEED Certification Detailed Project Description:
https://sdcpc.bogazici.edu.tr/PROJECTS/Hamlin%20Hall%20LEED%20Certification%20Green%20Building%20Project.pdf

Service Procurement, External Suppliers and Waste Minimisation Policies in Supply Chain

Sustainability Goals and Objectives of the Department of Construction and Technical Affairs:
https://yapiisleri.bogazici.edu.tr/tr/pages/birimin-amac-ve-hedefleri/4011

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”

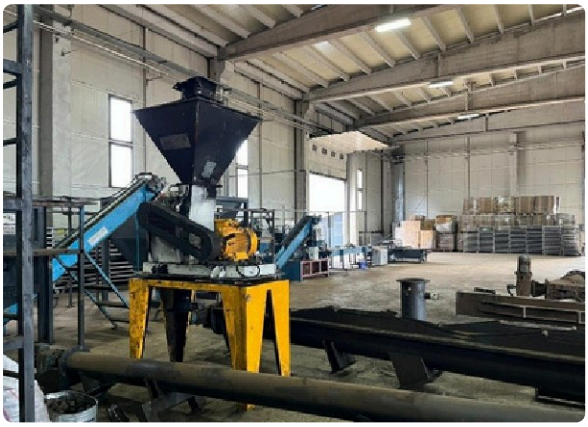
Climate-Resilient Agriculture through Agricultural Waste Valorisation

The Boğaziçi University news article published on 9 January 2026 highlighted the 24-month project, **"Nature-based Solutions for Climate-Resilient Agriculture: Pest Control through Wood Vinegar Application"**, which received funding under the EU–Türkiye Climate Change Grant Programme. Developed by Prof. Dr. Levent Kurnaz, Dr. Nazan An and Dr. Tufan Turp from Boğaziçi University’s Center for Climate Change and Policy Studies, the project is being implemented in partnership with Rize Municipality, Mersin Chamber of Commerce and Industry, and Alata Horticultural Research Institute across Rize, Giresun/Ordu, and Mersin.



Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”

The project aims to develop wood vinegar derived from tea waste as an environmentally friendly, nature-based alternative for controlling agricultural pests whose spread has intensified as a result of climate change. Through this approach, it seeks to reduce the use of chemical pesticides in tea, hazelnut and citrus production, strengthen the climate resilience of agricultural production and valorise agricultural waste within a circular economy framework.



Designed in alignment with Türkiye’s 2024–2030 National Mitigation and Adaptation Strategies, the 12th Development Plan, the European Green Deal and its "Farm to Fork" strategy, the project contributes to SDG 12 by promoting waste valorisation, resource efficiency, reduced chemical use and sustainable production models. It also provides an important example of how Boğaziçi University transfers its academic expertise in sustainability and nature-based solutions into practical action through engagement with local producers and implementation partners.

The full news article is available here.



Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”

Istanbul Twin Transformation Platform for Sustainable Manufacturing

Led by the Boğaziçi University Foundation (BÜVAK), established in partnership with Boğaziçi University, the Foreign Economic Relations Board (DEİK) and the Software Industrialists Association (YASAD), and supported by the Istanbul Development Agency (İSTKA), the **"Istanbul Twin Transformation Platform"** held its opening conference on **9 April 2026**, bringing together representatives from government, academia, industry and the technology sector.



The platform aims to accelerate the green and digital ("twin") transformation of the manufacturing industry across five strategic sectors: machinery, electronics, automotive, white goods and textiles. By bringing together technology providers, transformation centres, academics, industry representatives and decision-makers, the initiative seeks to build a collaborative ecosystem that addresses climate change, resource scarcity and the need for digitalisation in manufacturing through an integrated approach.

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”



The Istanbul Twin Transformation Platform aims to promote eco-friendly, sustainable and resource-efficient manufacturing models that account for environmental impacts and leverage technological innovation. In this respect, the platform is encouraging businesses to adopt responsible production practices and is strengthening the manufacturing industry's capacity to undertake a sustainable transformation.

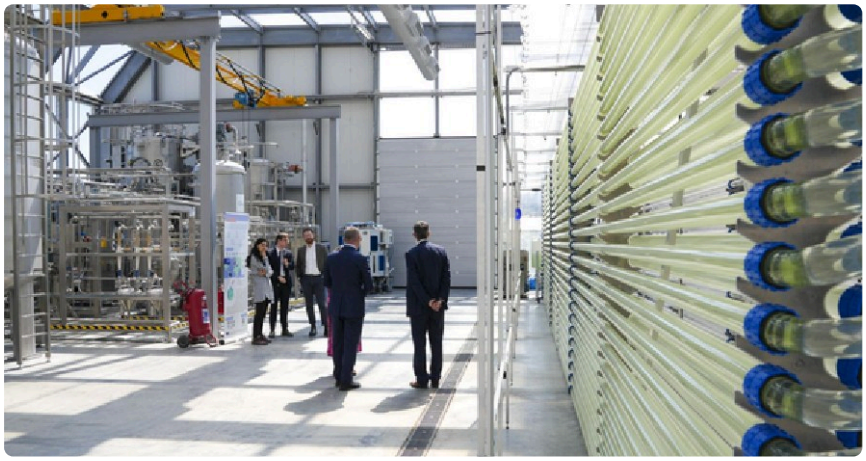
The full news article is available here.

Fostering International Collaboration on the Circular Bioeconomy and Sustainable Production: UK Delegation Visit to IMBIYOTAB

Boğaziçi University’s **Istanbul Microalgae Biotechnology Research and Development Unit (IMBIYOTAB)** hosted a high-level delegation from the United Kingdom at the Sarıtepe Campus on **6 May 2026**, including the UK Special Representative for Nature, Ruth Davis OBE, and Consul General David Reed MBE. During the visit, the delegation was introduced to the University’s research and applied activities in microalgae biotechnology, algae-based bioprocesses, the sustainable bioeconomy, carbon capture and bio-based product development. Information was also provided on IMBIYOTAB’s advanced research infrastructure, pilot-scale production capabilities and its technology development model based on university–industry collaboration.

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”





The discussions addressed the outcomes of the scientific collaboration between Boğaziçi University and the University of Cambridge in the field of the sustainable bioeconomy. Participants reviewed how joint projects supported by the Newton Fund and implemented through the Royal Society of Chemistry and the British Council have contributed to knowledge generation, capacity building, the commercialisation of innovative technologies, the development of small and medium-sized enterprises and the growth of biotechnology-based start-ups.

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”





The visit also highlighted the potential applications of microalgae in carbon capture and utilisation, biofuels, bioplastics, biofertilisers, food and feed additives, bioactive compounds and wastewater treatment. As the **first carbon-negative biorefinery in Europe and Türkiye**, IMBIYOTAB combines research, pilot-scale production, entrepreneurship and technology transfer to promote the efficient use of biological resources, the valorisation of waste into value-added products and the wider adoption of circular production models. These activities represent a strong example of Boğaziçi University’s research and innovation capacity in support of sustainable consumption and production.

The full news article is available here.

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”

Recycling, Sustainability and Responsible Material Use in Civil Engineering: 10th National Geosynthetics Conference

Boğaziçi University hosted the **10th National Geosynthetics Conference**, organised by the Turkish Chapter of the International Geosynthetics Society (IGS Türkiye), on **29–30 May 2025**. Bringing together academics, representatives of public institutions, private-sector specialists and students, the conference addressed the research, development and responsible application of geosynthetic materials, including geotextiles, geogrids, geomembranes and geocomposites, across different fields of engineering



During the conference, participants exchanged knowledge on a wide range of topics, including transport infrastructure, environmental protection, dam and reservoir construction, ground improvement and sustainability. Four sessions were held covering the use of geosynthetics in railway systems, interactions with microplastics, dam engineering, new software developments and EPS geofoam systems. The panel following the invited presentations addressed the role and future of geosynthetics in road construction; geotextile recycling and sustainability; quality control and laboratory services for geotextiles; the use and field applications of geosynthetic products in railway systems; and the application of geosynthetic materials in containment facilities.

Beyond Campus: “Complementary Research and Innovation on Waste Minimisation, Recycling and Circular Resource Use”



The conference therefore made a complementary contribution to SDG 12 by promoting responsible material use, encouraging recycling practices and raising awareness among scientists and industry of approaches to reducing the environmental impacts of infrastructure projects.

The full news article is available here.

Zero Waste Management in Food Sector

In addition, Boğaziçi University Sustainable Development and Cleaner Production Centre (BU-SDCPC) took part as a project partner in the ‘Zero Waste Management in the Food Sector’ project, in which Istanbul Provincial Directorate of Environment, Urbanisation and Climate Change and eight partner institutions are among the stakeholders. The project aimed to improve the waste management skills of those working in the food sector and vocational high school students studying in the food department who will work in this sector in the future. By promoting zero waste management options such as reuse, recycling, repair, rethinking and waste minimisation, this project demonstrates Boğaziçi University's sustainability mission not only on campus but also in the community.

Zero Waste Management in the Food Sector Brochure:
https://sdcpc.bogazici.edu.tr/PROJECTS/Go%20Zero%20Brochure_TR.pdf

Click here for more information:
https://sdcpc.bogazici.edu.tr/tr/news-04.asp

Zero Waste Management in Food Sector





Waste Tracking

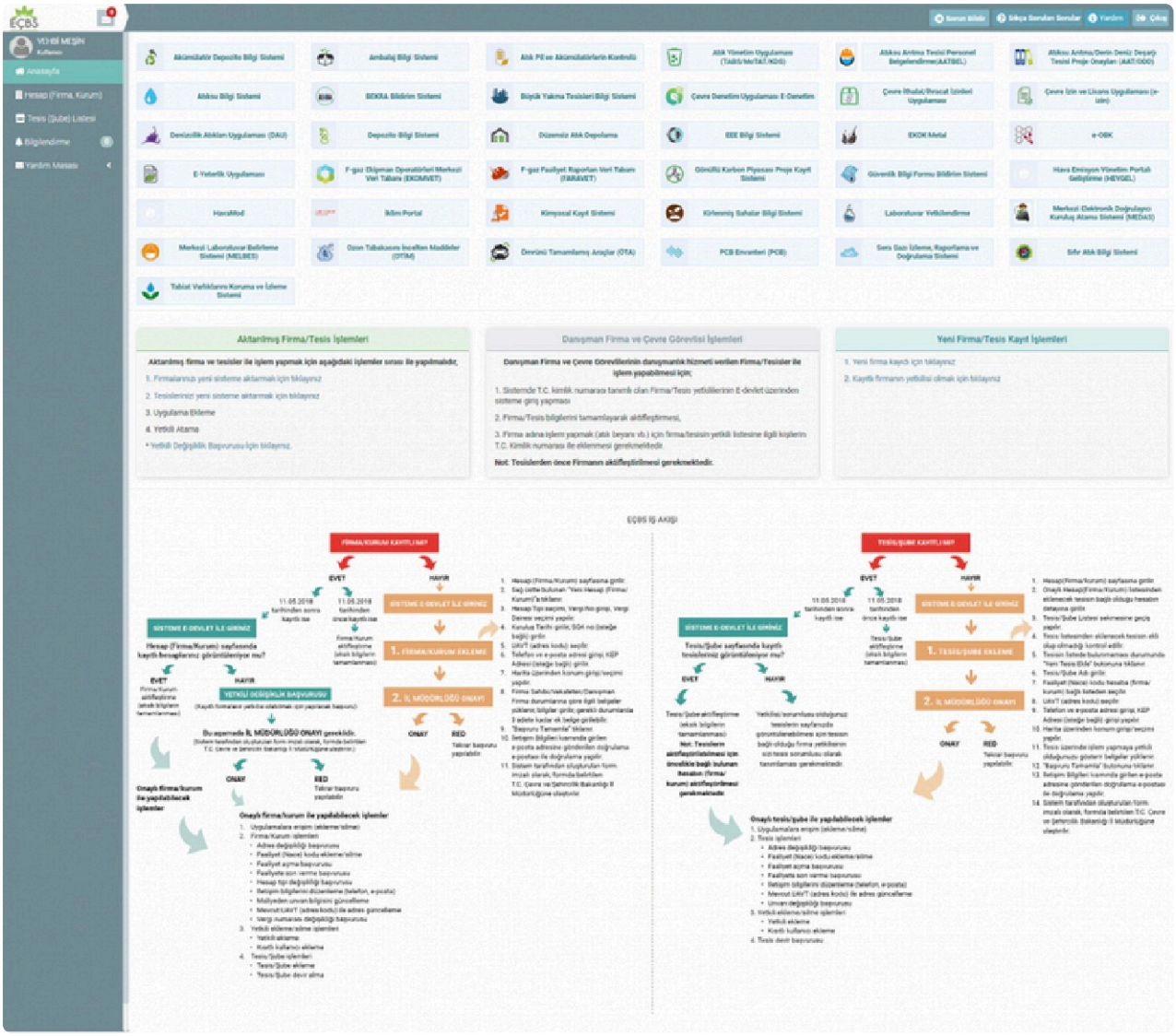
Measurement of the amount of waste recycled

Boğaziçi University meticulously measures the amount of waste generated and recycled throughout the campus and reports this data periodically. In order to ensure transparency and accountability in waste management processes, our university records these measurements in the Integrated Environmental Information System network.

This comprehensive approach strengthens our university's commitment to sustainability goals and allows us to monitor the amount of waste recycled in accordance with the scoring criteria set by the Ministry of Environment, Urbanisation and Climate Change within the framework of the Zero Waste project. The rate of reduction in the amount of waste going to disposal is recognised as a critical criterion for the success of this project.

At our university, recyclable materials such as paper, plastic, glass, metal, batteries, toner, electronic waste and organic waste and non-recyclable wastes are recorded separately. These data are also included in sustainability reports and reflect the university's efforts to reduce its environmental impact.

Waste Tracking



Boğaziçi University Waste Management Policy:
https://kurumsalveri.bogazici.edu.tr/tr/pages/1542-policy-on-plastic-waste-reduction/1977

Recoverable Waste Management:
https://yesilkampus.bogazici.edu.tr/tr/pages/geri-kazanilabilir-atik-yonetimi/6921

Collection of Toner Waste:
https://yesilkampus.bogazici.edu.tr/tr/pages/toner-atiklari/6923

Waste Tracking

Zero Waste Mobilisation:
https://haberler.bogazici.edu.tr/tr/haber/bogazici-universitesinde-sifir-atik-seferberligi

Integrated Environmental Information System

Boğaziçi University actively utilises the Integrated Environmental Information System (ECBS) network to improve environmental management and sustainability practices. This system offers a wide range of digital tools and applications for collecting, monitoring, reporting and managing environmental data. Below you can find information about some of the main processes followed by our university within the scope of ECBS:

1. **Accumulator Deposit Information System:** This system follows the deposit applications in the process of collecting and recycling waste accumulators. By following this process, our university ensures that the accumulators are recycled without harming the environment.
2. **Control of Waste Batteries and Accumulators:** Boğaziçi University carries out the collection and delivery of waste batteries and accumulators to licensed institutions through this system. In this way, it is ensured that hazardous wastes are disposed of appropriately.
3. **Waste Management Application (TABS/MoTAT/KDS):** Our university carries out the waste management process by using applications such as TABS (Hazardous Waste Declaration System), MoTAT (Mobile Hazardous Waste Tracking System) and KDS (Mass Balance System). These systems monitor the collection, transport and disposal of hazardous and recyclable wastes.
4. **Wastewater Information System (WWTP):** The management and treatment processes of wastewater generated on campus are carried out through this system. Applications such as wastewater treatment plants and deep sea discharge are integrated with this system to minimise environmental impacts.
5. **Environmental Permit and Licence Application (e-permit):** Our university carries out environmental permit and licence processes through this application. This system plays an important role in the process of controlling environmental impacts and obtaining the necessary permits.

Waste Tracking

6. **Zero Waste Information System:** All processes within the scope of the university's Zero Waste projects are monitored through this system. Separation, collection and recycling of wastes at source are effectively monitored and reported through this system.
7. **Greenhouse Gas Monitoring, Reporting and Verification System:** Our university monitors, reports and verifies greenhouse gas emissions through this system. This system serves an important function as part of the university's efforts to reduce its carbon footprint.
8. **Laboratory Authorisation Application:** Authorised laboratories for environmental analyses conducted at the university are monitored and audited through this system.

These systems contribute to the achievement of Boğaziçi University's environmental sustainability goals and increase transparency and efficiency in areas such as waste management, water management and energy efficiency. These systems are used in an integrated manner to minimise the environmental impact of our university and create a sustainable campus.

Boğaziçi University 2025 Waste Amounts

Type	2025
Total Food Waste	50,993 kg
Total Food Recycled	33,430 kg
Total Oil Waste	6,305 kg
Total Oil Waste Recycling	6,305 kg

Boğaziçi University 2025 Waste Amounts

Type	2025
Paper	23,420 kg
Plastic	11,660 kg
Glass	970 kg
Chemical	850 kg
Medical	1,545 kg

All waste amounts in the table above have been delivered to recycling.



Boğaziçi University Sustainability Report

Boğaziçi University publishes a Sustainability Report every year in order to transparently share its sustainability efforts and contributions to the environment. This report was prepared by the Corporate Data Management Branch Directorate team in 2026 and shared with the public.

We would like to sincerely thank **Dr.Vehbi MEŞİN, İrem NALÇA and Damla OYARDI** for their valuable contributions to the preparation of the Boğaziçi University 2026 Sustainability Report.

The report details the progress made by the university in the field of sustainability, the policies implemented and strategies to reduce environmental impacts. This comprehensive report is publicly available on the university's website as an important source documenting Boğaziçi University's sustainability efforts.

You can access the latest sustainability report of Boğaziçi University from the link below:



NEW!

https://kurumsalveri.bogazici.edu.tr/tr/pages/surdurulebilirlik-raporlari/1063

To Access Boğaziçi University's Sustainability Reports of Previous Years:

https://kurumsalveri.bogazici.edu.tr/tr/pages/surdurulebilirlik-raporlari/1063


12 RESPONSIBLE CONSUMPTION AND PRODUCTION
To ensure sustainable consumption and production patterns
SUSTAINABLE DEVELOPMENT GOALS