



2024 Sustainability Report SDG-12

Boğaziçi University



SUSTAINABLE
DEVELOPMENT GOALS



12

RESPONSIBLE CONSUMPTION
AND PRODUCTION



RECYCLE PAPER, PLASTIC, GLASS AND ALUMINIUM.

By 2050, the equivalent of almost three planets
could be required to sustain current lifestyles.

SDG12: Responsible Consumption and Production

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://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/sustainable_supply_and_procurement_policy_0.pdf

Click here for more information about ISO 20400:

https://www.iso.org/files/live/sites/isoorg/files/store/en/ISO%2020400_Sustainable_procur.pdf

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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.

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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/content/tehlkeli-atik-yonetimi>



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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/content/tibbi-atik-yonetimi>



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Medical Waste



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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/content/elektronik-atiklar>



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Waste Electrical and Electronic Equipment Removal Form



BOĞAZIÇI 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).



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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/content/toner-atiklari>

Boğaziçi Üniversitesi Atık Toner Uzaklaştırma Formu

| 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 ()
Ne kadar süre aralıklarla toplanıyor?

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

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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

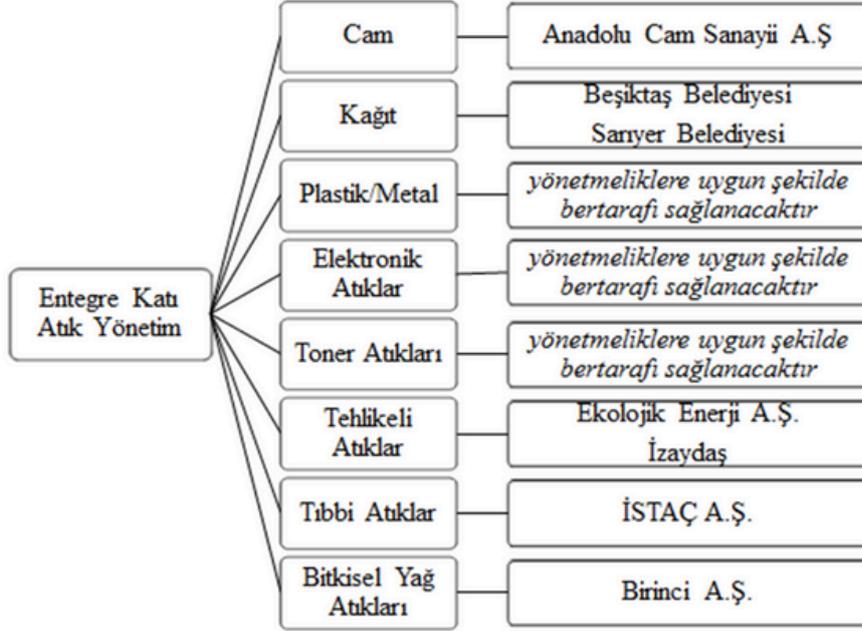
Boğaziçi University Waste Management Policy

https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_waste_disposal_and_landfill_policy.pdf

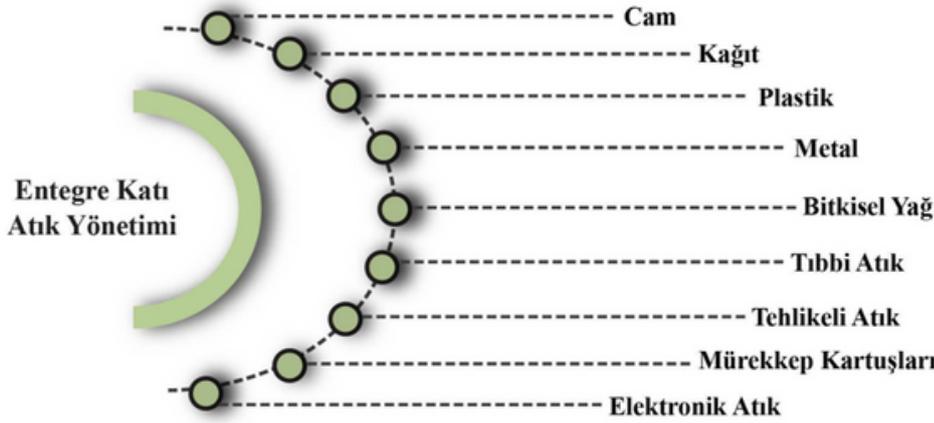


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Domestic Waste Management: Landfill and Recovery



Boğaziçi University Integrated Solid Waste Management Scheme



Boğaziçi University Integrated Solid Waste Management Scheme

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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.



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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/content/uygulamalarimiz>

<https://yesilkampus.bogazici.edu.tr/tr/content/geri-kazanilabilir-atik-yonetimi>



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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.

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Compost Unit



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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.



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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/haber/bogazici-universitesinde-sifir-atik-seferberligi>

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



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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



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Drinking Water Fountains and Fountains

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/haber/hijyenik-cesmeler-kampuslere-yerlesti>



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/content/idari-personel-egitimleri-entegre-katik-yonetimi-karbon-ayak-izi-uygulamalari-egitimi>

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Training and Awareness Raising Activities



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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.

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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/haber/bogazici-universitesi-ile-wwf-turkiyeden-plastik-atik-raporu-her-yil-11-milyon-plastik>



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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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Research and Audit Activities

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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/>

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.

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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:

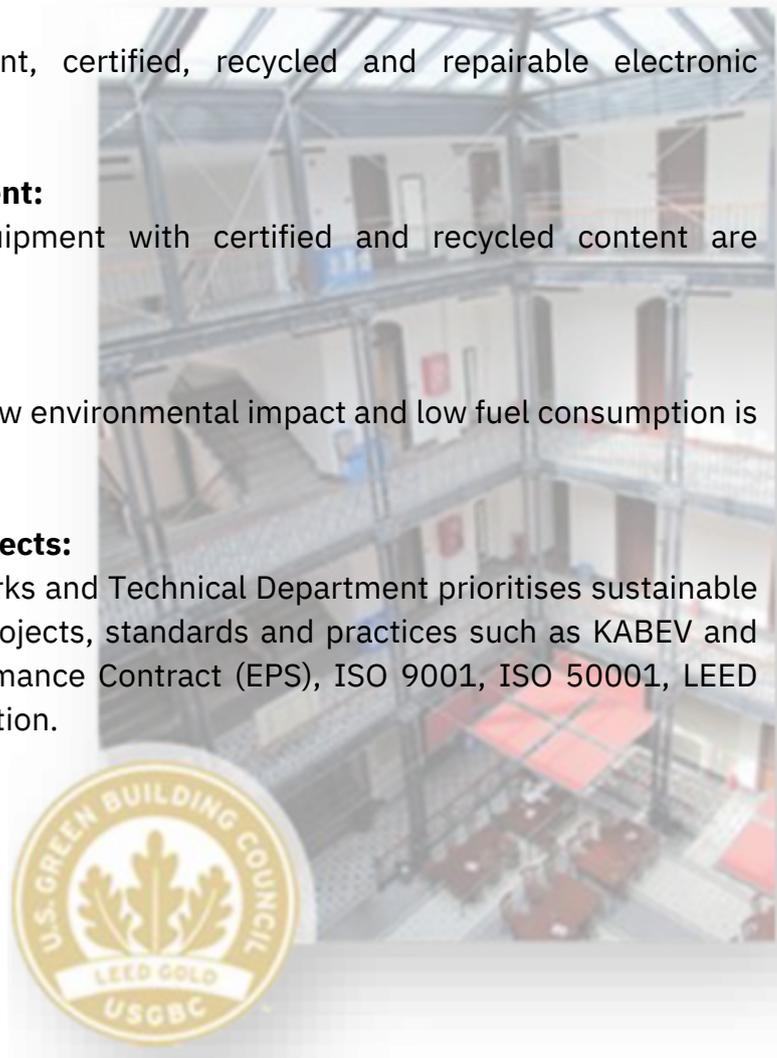
- Laboratory materials and equipment with certified and recycled content are preferred.

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.



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



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



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

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://sdpcpc.bogazici.edu.tr/PROJECTS/Go%20Zero%20Brochure_TR.pdf

Click here for more information:

<https://sdpcpc.bogazici.edu.tr/tr/news-04.asp>

Proje Ortak Kurumları

Koordinatör Kurum
İstanbul Çevre ve Şehircilik İl Müdürlüğü
istanbul@csb.gov.tr

Proje 31.12.2020-29.06.2023 tarihleri arasında uygulanmaktadır.

Co-funded by the Erasmus+ Programme of the European Union

Erasmus+ Programı kapsamında Avrupa Komisyonu tarafından desteklenmektedir. Ancak burada yer alan girişlerden Avrupa Komisyonu ve Türkiye Ulusal Ajansı sorumlu tutulamaz.

2020-1-TR01-KA202-093424

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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/content/ilerleme-toplantilari>

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

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 Saritepe 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>

Sustainability Goals and Objectives of the Department of Construction and Technical Affairs:

<https://yapiisleri.bogazici.edu.tr/amac-ve-hedefler>

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.

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Waste Tracking

The screenshot displays the ECBS Waste Tracking System interface. The top navigation bar includes 'Sistem Bilgi', 'Milya Sınırları', 'Yardım', and 'Giriş'. The main content area is divided into several sections:

- System Modules:** A grid of icons representing various waste management systems such as 'Akümülatör Depozito Bilgi Sistemi', 'Ambalaj Bilgi Sistemi', 'AAK PE ve Akümülatörlerin Kontrolü', 'AAK Yönetim Uygulaması (TAİRS/NAFTA/NDI)', 'Akümülatör Teslim Personel Bilgi/İzleme(AATSEL)', 'Akümülatörlerin Derin Teslim Değerli Teslim Proje Olanları (AAT-ODD)', 'Atık Bilgi Sistemi', 'BODVA Bilgi Sistemi', 'Biyokütle Teslimatı Bilgi Sistemi', 'Çevre Değerim Uygulaması E-Oranlar', 'Çevre İzleme/Değerim İzleme Uygulaması', 'Çevre İzlem ve İzleme Uygulaması (e-İz)', 'Değerli Atıkların Uygulaması (DAU)', 'Depozito Bilgi Sistemi', 'Düzensiz Atık Depozitasyonu', 'EEE Bilgi Sistemi', 'EKOK Metat', 'e-ODK', 'E-Yerleşik Uygulaması', 'F-gaz Ölçüm Operatörlü Mevzuat Veri Tabanı (EKOMAVET)', 'F-gaz Faaliyet Raporları Veri Tabanı (FAARAVET)', 'Güçlü Karbon Fizyoson Proje Kayıt Sistemi', 'Güvenlik Bilgi Formu Bilgi Sistemi', 'Hava Emisyon Yönetim Portalı Geliştirme (HEYGEU)', 'Hesablaşım', 'İzlem Portalı', 'Küresel Kayıt Sistemi', 'Küresel Sahalar Bilgi Sistemi', 'Laboratuvar Yönetim Sistemi', 'Merkezi Elektronik Doğrulama Kuruluş Atama Sistemi (MEDAS)', 'Merkezi Laboratuvar Bilgi Sistemi (MELBES)', 'Oran Tabakasını İzleyen Modüller (OTIM)', 'Öncüleri Tanımlama Araçları (OTA)', 'PCB Emisyonları (PCB)', 'Sera Gaz İzleme, Raporlama ve Doğrulama Sistemi', 'Sıfır Atık Bilgi Sistemi', 'Tabii Kaynakların Korunması ve İzleme Sistemi'.
- Aktarılmış Firma/Tesis İşlemleri:** A list of actions for transferred companies/facilities, including 'Firmaların yeni sistemlere aktarılması için bilgilendirme', 'Tesislerin yeni sistemlere aktarılması için bilgilendirme', 'Uygulama Ekleme', 'Yetkili Atama', and 'Yetkili Değişiklik Başvurusu İçin Bilgilendirme'.
- Danışman Firma ve Çevre Görevlileri İşlemleri:** A list of actions for consultant companies and environmental officers, including 'Sistemde T.C. kimlik numarası tanımlı olan Firma/Tesis yetkililerinin E-devlet üzerinden sisteme girme işlemi', 'Firma/Tesis bilgilerini tamamlayarak aktifleştirilmesi', 'Firma adına işlem yapmak (etik beyan vb.) için firma/tesisin yetkili kişisine ilgili kısımları T.C. kimlik numarası ile e-iletmesi gerekmektedir', and 'Not: Tesislerden önce Firmamın aktifleştirilmesi gerekmektedir'.
- Yeni Firma/Tesis Kayıt İşlemleri:** A list of actions for new company/facility registration, including '1. Yeni firma kaydı için bilgilendirme' and '2. Kayıtlı firmaların yetkilileri olmak için bilgilendirme'.

Below the main content, there are two detailed flowcharts:

- FİRMA KURUM KAYIT İZLENİMLERİ:** A flowchart starting with 'FİRMA KURUM KAYIT İZLENİMLERİ' leading to 'SİSTEME E-DEVLET LE GİRİŞİM'. It details steps from 'Hesap (Firma/Kurum) sayfasında kayıtlı hesaplarına giriş/çıkış yapma' to 'Sistemden çıkış yapma'. It includes decision points for 'EVET' (Yes) and 'HAYIR' (No) leading to 'YETKİLİ DEĞİŞİKLİK BAŞVURUSU' or '2. N. MODÜLÜSÜ ONAYI'. It also lists 'Onaylı Firma/Kurum ile yapılabilir işlemler' such as 'Uygulamalara erişim (ekleme/silme)', 'Firma/Kurum işlemleri', 'Adres değişikliği başvurusu', 'Faaliyet açma/başvurusu', 'Faaliyet son verme başvurusu', 'Hesap tipi değişikliği başvurusu', 'Hesap bilgilerini düzenleme (telefon, e-posta)', 'Milyardan alınan bilgileri güncelleme', 'Mevzuat (SİFT) izleme kodu ile adresi güncelleme', 'Vergi numarası değişikliği başvurusu', 'Yetkili atama', 'Kısmi kullanıcı atama', 'Tesis/Şube atama', and 'Tesis/Şube devir atma'.
- TESİS/ŞUBE KAYIT İZLENİMLERİ:** A flowchart starting with 'TESİS/ŞUBE KAYIT İZLENİMLERİ' leading to 'SİSTEME E-DEVLET LE GİRİŞİM'. It details steps from 'Hesap (Firma/Kurum) sayfasında kayıtlı hesaplarına giriş/çıkış yapma' to 'Sistemden çıkış yapma'. It includes decision points for 'EVET' (Yes) and 'HAYIR' (No) leading to 'YETKİLİ DEĞİŞİKLİK BAŞVURUSU' or '2. N. MODÜLÜSÜ ONAYI'. It also lists 'Onaylı tesis/şube ile yapılabilir işlemler' such as 'Uygulamalara erişim (ekleme/silme)', 'Tesis/Şube işlemleri', 'Adres değişikliği başvurusu', 'Faaliyet açma/başvurusu', 'Faaliyet son verme başvurusu', 'Beyan bilgilerini düzenleme (telefon, e-posta)', 'Mevzuat (SİFT) izleme kodu ile adresi güncelleme', 'Ünvan değişikliği başvurusu', 'Yetkili atama/silme işlemleri', 'Kısmi kullanıcı atama', and 'Tesis devir başvurusu'.

Boğaziçi University Waste Management Policy:

https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_waste_disposal_and_landfill_policy.pdf

Recoverable Waste Management:

<https://yesilkampus.bogazici.edu.tr/tr/content/geri-kazanilabilir-atik-yonetimi>

Collection of Toner Waste:

<https://yesilkampus.bogazici.edu.tr/tr/content/toner-atiklari>



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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.

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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 2023 Waste Amounts

| Type | 2023 |
|---------------------------|-----------|
| Total Food Waste | 62,766 kg |
| Total Food Recycled | 38,216 kg |
| Total Oil Waste | 5465 kg |
| Total Oil Waste Recycling | 5465 kg |

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Boğaziçi University 2023 Waste Amounts

| Type | 2023 |
|-----------------------|-----------|
| Paper Cardboard Waste | 19,955 kg |
| Plastic | 20,000 kg |
| Glass | 200 kg |
| Metal | 30,820 kg |
| Chemical | 3528 kg |
| Medical | 5681 kg |

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



Boğaziçi University 2023 Food Waste Monitoring Report:

https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/food_waste_2023_bu.pdf

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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 2024 and shared with the public.

We would like to sincerely thank **Belkıs GÖKBULUT ÖZTÜRK**, **Vehbi MEŞİN** and **İrem NALÇA** for their valuable contributions to the preparation of the Boğaziçi University 2024 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:

https://impact.bogazici.edu.tr/sites/impact.bogazici.edu.tr/files/bogazici_university_sustainability_report.pdf

NEW!

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

https://bogazici.edu.tr/tr_TR/Content/Kampus_Yasami/KampusYasilKampus



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



To ensure sustainable consumption
and production patterns

