



SUSTAINABILITY REPORT 2025

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Boğaziçi University

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Boğaziçi University's Vision for Sustainable Development

Our vision of sustainable development emphasises that humanity must live in harmony with the natural world in order for all communities to survive and prosper in a sustainable future. This vision includes the goal of creating a living environment where future generations can meet their needs by establishing a balanced relationship with nature. As Boğaziçi University, we combine our missions of education, research and community service with the principles of sustainable development.



Our vision expresses a Boğaziçi University community that produces innovative solutions for the benefit of people and the planet, is environmentally conscious and enriches society. We are committed to minimising our impact on nature and the environment by taking concrete steps such as energy management, waste reduction, and reducing our carbon footprint across the campus. Furthermore, this vision and our Sustainability Report aim to support the achievement of the United Nations' 17 Sustainable Development Goals (SDGs) and contribute to global collaborations.

Thus, it will continue to be one of our most important goals to move our university to a leading position in the field of sustainability by working with all our stakeholders to leave a more livable world for the future.

FOREWORD

We Fulfil Our Responsibility for a Sustainable Future



As Boğaziçi University, we continue to fulfil our responsibility in building a sustainable future with great determination. As the 2024 United Nations Sustainable Development Solutions Network (SDSN) Report reveals, global cooperation and innovative financing solutions are critical to achieving the Sustainable Development Goals (SDGs). Unfortunately, the report reminds us that there has been insufficient progress on most of these goals set in 2015 and that the global community needs to do more in this regard. As Boğaziçi University, we are focused on making a difference both locally and globally with our sustainability efforts. Established in 2014 under the auspices of our university, the United Nations SDSN Turkey Network plays an important role in achieving our country's sustainable development goals. In this context, we continue to develop projects that produce solutions for environmental, social and economic sustainability through our scientific research and academic collaborations. From energy efficiency projects on our campus to educational activities that raise environmental awareness, we act with this awareness together with our students, academic and administrative staff. We are determined to maintain our goal of becoming an 'exemplary sustainable campus' both nationally and internationally. We will work harder together for a sustainable future and carry this responsibility into the future.

Mehmet Naci İNCİ
Rector of Boğaziçi University

Sustainability at Boğaziçi University

In order to create a sustainable campus life, Boğaziçi University encourages its members to have environmental awareness and to actively participate in activities in this direction within the framework of daily campus life and curriculum. In line with sustainability goals such as prevention of environmental pollution, improvement of energy and natural resource management, reduction of emission and waste generation, recovery and reuse activities, protection of the historical, cultural and green texture of the university is among the priority goals. Boğaziçi University aims to be recognised as an ‘exemplary sustainable campus life’ in national and international platforms with its environmentally and socially sustainable education and training practices.

In line with these objectives, Boğaziçi University's vision is to be a successful, sustainable and ‘green’ university in the field of education and research at universal standards. The strategic objectives set out in the 2025-2029 Strategic Plan, approved by the University Senate, are as follows:

1. Environmental Sustainability

1.1 Target number of awards received by the university in environmental fields
2029: 3

1.2 Target total number of activities carried out related to environmental awareness
2029: 12

1.3 Management of sustainability projects by a dedicated unit

“The sustainability unit established to coordinate environmental protection and sustainability projects will be responsible for planning, implementing, and monitoring these projects.”

2. Education and Social Sustainability

2.1 Target number of professional training certificates issued by SEM and DİLMER
2029: 4,200

2.2 Increasing open lectures and environmental awareness activities

“Activities will be organised to raise social awareness. The number of open lectures will be increased. Strategies for environmental protection will be developed.”

2.3 Ensuring the coordination of student social responsibility projects

‘There are problems in the coordination and sustainability of social service projects carried out by student clubs.’

3. Institutional and Campus Sustainability

3.1 The goal of implementing energy efficiency transformations on campuses

3.2 The goal of promoting environmentally friendly transportation vehicles on campus

3.3 Use of corporate data management systems within the scope of sustainability

‘Through big data studies conducted by the Corporate Data Management Directorate, coordination and archiving in all administrative units are carried out via digital platforms.’



SUSTAINABLE DEVELOPMENT
SOLUTIONS NETWORK
A GLOBAL INITIATIVE FOR THE UNITED NATIONS

| **Turkey**

Boğaziçi University United Nations Sustainable Development Solutions Network Turkey Representative Office

SDSN Turkey Members and Stakeholders Meeting 2025 at Boğaziçi University!
Hosted by Boğaziçi University since 2014, this year's Members and Stakeholders Meeting organised under the **UN SDSN Turkey** was held at the South Campus under the theme 'SDSN Initiatives in Light of Current Developments'.



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Boğaziçi University, Strong Performance in Sustainability in THE Impact Rankings 2025



Boğaziçi University achieved remarkable success by demonstrating strong performance in many areas in the 2025 Sustainable Development Goals (SDGs) ranking announced by Times Higher Education (THE).

Boğaziçi University ranked 57th in the SDG 1: End Poverty category and produced 42 academic outputs in this area. Although these studies include important projects aimed at combating poverty, the citation impact of 1.19 is above the field average. The university's social responsibility projects, efforts to ensure equal opportunities in education, and social awareness projects contributed to this success.

SDG 2: End Hunger Boğaziçi University ranked **73rd** in the SDG 2: End Hunger category with its work in the areas of combating hunger and food security. The citation impact of the university's 36 academic works in this field was 1.44, while 16 articles were published in prestigious journals in the top 10% percentile.

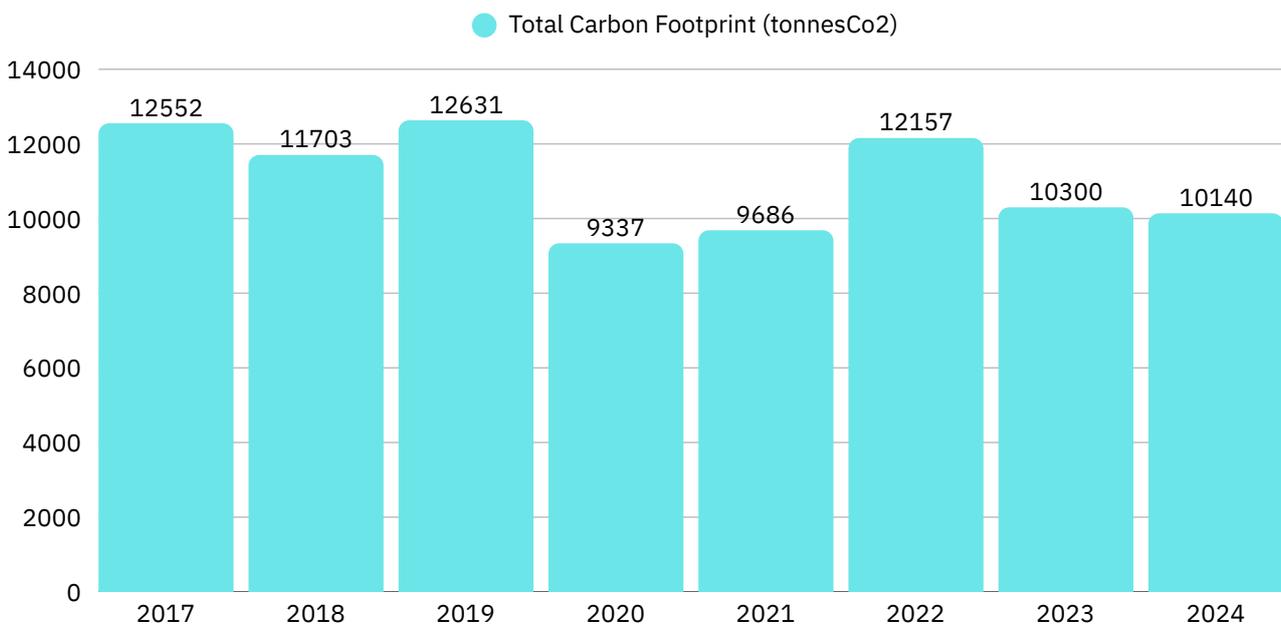
SDG 4: Quality Education Boğaziçi University was one of the institutions that achieved the highest success in the SDG 4: Quality Education category. The university ranked **31st**, with 15 academic publications appearing in prestigious journals in the top 10%.

SDG 7: Affordable and Clean Energy Boğaziçi University, which stands out in the field of clean energy and energy efficiency, also ranked **23rd** in the SDG 7: Affordable and Clean Energy category. The citation impact of the university's 142 academic works in this field was 1.63.

SDG 9: Industry, Innovation and Infrastructure Industry, Innovation and Infrastructure, the category in which Boğaziçi University scored the highest with **94.7 points**, drew attention to the university's successful work in the field of technology and industry.

Summary of Progress Towards Boğaziçi University Net Zero Emission Target

Where We Started	Aim	Our Progress
Boğaziçi University Scope 1 + Scope 2 Total Emissions Value 12,552.16 (tonnesCo2) 2017	50% Emission Reduction in All Scopes and Net Zero Greenhouse Gas Emission Target 2030	Boğaziçi University Scope 1 + Scope 2 Total Emissions Value 10,140 (tonCo2) 2024



These data on carbon dioxide emissions constitute an important source for assessing the environmental impact of our university and monitoring progress towards sustainability goals. The fluctuations observed in the carbon footprint over the years can be explained by the impact of various factors. According to the data, there was a significant increase in the carbon footprint in 2017, which can be explained by the fact that the data started to be fully collected at that time. In the following years, especially in 2020 and 2021, there was a significant decrease in the carbon footprint. This decrease is attributed to the positive developments in sustainability policies as well as the effects of the COVID-19 pandemic on energy consumption. Restrictions and remote working models implemented during the pandemic have reduced energy use and thus reduced carbon emissions.

This increase was considered normal as campus activities returned to normal. However, the university continues to promote energy efficiency measures and the use of renewable energy, increasing its efforts in line with its sustainability goals.

This data allows the University to develop more effective strategies to monitor and reduce carbon emissions and provides a solid foundation for further sustainability efforts.

Boğaziçi University Leading the Way in Sustainability with Carbon-Negative Biorefinery

Boğaziçi University has taken an important step towards its carbon neutrality goals with the establishment of the **Istanbul Microalgae Biotechnologies Research and Development Unit (İMBİYOTAB)** at its Sarıtepe Campus, realising the first carbon-negative biorefinery in Turkey and Europe. Ambassador Nikolaus Meyer-Landrut, Head of the Delegation of the European Union to Turkey, emphasised the great importance of the facility for a carbon-neutral world and stated that such projects should allocate more resources to R&D in terms of environmental sustainability.

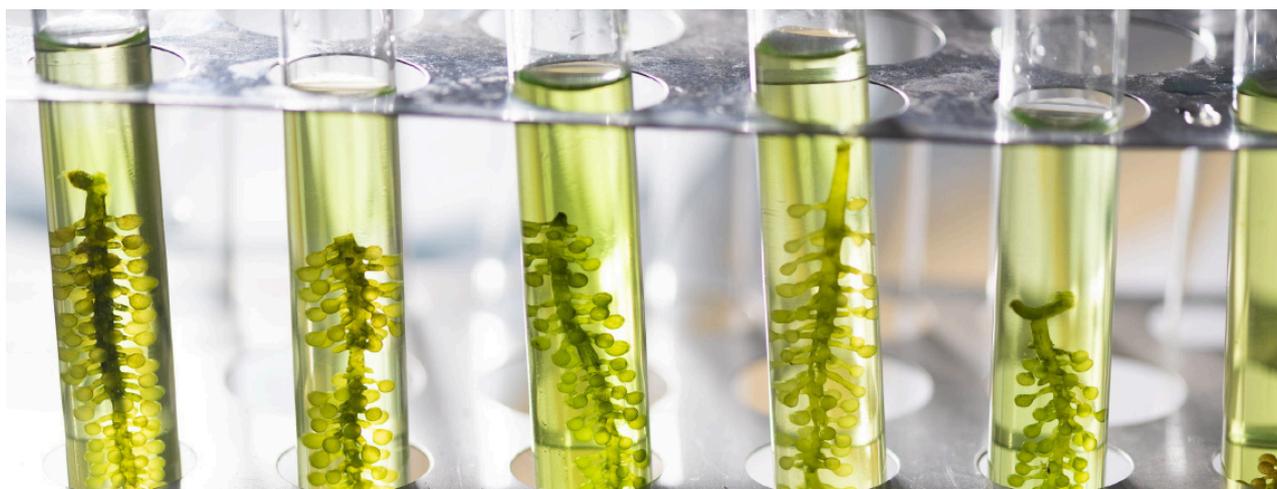


İMBİYOTAB and Carbon-Negative Biorefinery

The INDEPENDENT Project, led by **Dr. Berat HAZNEDAROĞLU** from Boğaziçi University Institute of Environmental Sciences . Dr. Berat HAZNEDAROĞLU from Boğaziçi University Institute of Environmental Sciences, **INDEPENDENT Project** offers solutions for energy, food, health and environment sectors with algae-based biotechnological products. This integrated biorefinery plays a critical role in reducing carbon emissions by producing completely algae-based products. The facility develops products such as **biofuels, antioxidant pigments, bio-fertilisers** as an alternative to fossil fuels and offers a **zero-waste** based production model.

Europe's First Carbon-Negative Biorefinery

Boğaziçi University's **carbon-negative** biorefinery facility is directly in line with the European Union's Green Deal targets. The ability to grow algae in a short time and produce it without the need for soil offers an important solution to agricultural sustainability and food crises. Sarıtepe Campus, which provides its energy entirely from wind turbines, has been carbon neutral **since 2015**. Haznedaroğlu points out that biofuel produced from moss can reduce carbon emissions by 76% with projects to develop biofuel technologies that can be used in aircraft.



Zero Waste Targeted Sustainable Production

The INDEPENDENT Project develops biotechnological products to **reduce Turkey's current account deficit in the energy** and health sectors, while also providing technology transfer and consultancy services to industry. The project enables SMEs operating in sectors such as petrochemicals, cosmetics and textiles to increase their R&D capacities. The zero-waste based structure of the project supports circular economy principles and contributes to environmental sustainability.

Green Campus Vision

Boğaziçi University's Green Campus goals were included in its strategic plans in 2010 and in 2014 it was selected by the UN as the national unit of the Sustainable Development Solutions Network. Many sustainability-oriented projects such as wind energy and grey water treatment projects are being carried out at the Kilyos Campus. Thanks to the **BÜRES wind turbine**, the campus meets most of its own electricity needs and generates approximately **1.7 million kWh** of electricity per year by exporting excess energy to the grid, saving **210 thousand USD**.



Boğaziçi University aims to **ensure environmental**, economic and social sustainability by developing innovative projects for a sustainable world with **zero carbon emission** and circular economy principles. These projects, which will set an example in Europe and around the world, make a significant contribution to achieving the goals of the **Paris Climate Agreement**.

Boğaziçi University Kandilli Science, Technology and Research Building: Sustainability and Scientific Innovation

Boğaziçi University draws attention in the national and international arena with the **Kandilli Science, Technology and Research Building**, one of the important steps it has taken in the field of sustainable development and technology-based scientific research. This centre, which is also called 'Deep Technology Base', makes significant contributions to both Turkey's national technology move and sustainable scientific research.



TOTAL SPACE



LABORATORY SPACE



STARTUP CENTER

Sustainable Development in Health Technologies

Life Sciences and Technologies Application Research Centre (**LifeSci**) aims to reduce Turkey's foreign dependency in the health ecosystem by developing artificial intelligence-supported solutions in cancer diagnosis and treatment. The targeted drug delivery systems and digitalisation projects developed both improve health by offering more effective treatments and form the cornerstones of a sustainable health infrastructure.

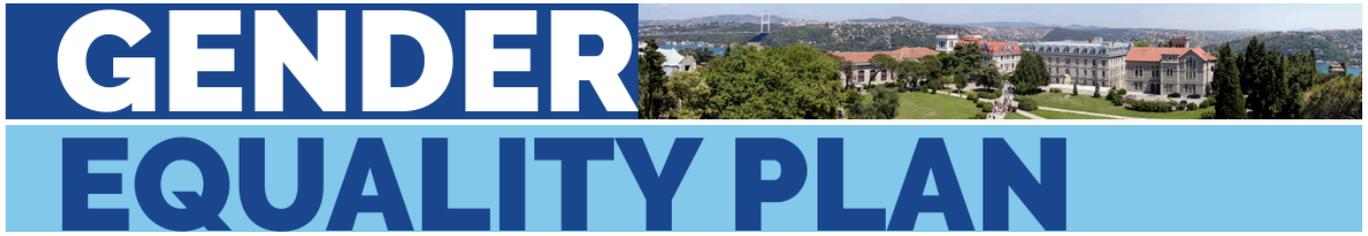


Sustainable Energy and Environmental Technologies

The synthetic natural gas production from coal project aims to reduce Turkey's current use of fossil fuels and support the transition to environmentally friendly energy by providing sustainable energy solutions. Together with this project, the studies carried out on clean energy technologies contribute to minimising the negative impacts of fossil fuels on the environment. The project makes a significant contribution to Boğaziçi University's **zero carbon emission** targets.



Boğaziçi University Gender Equality Plan



Boğaziçi University aims to improve gender equality in research, academia and administration. Various units within the university are working towards goals such as increasing the visibility and participation of women in social and academic life, collecting and updating relevant data in these areas, and expanding the database of women's statistics. These efforts not only contribute to the achievement of the university's gender equality goals but also act in line with Turkey's national and international commitments.

National Context Article 10 of the Constitution of the Republic of Turkey guarantees equality before the law: 'Everyone is equal before the law without distinction as to language, race, colour, sex, political opinion, philosophical belief, religion, sect and similar grounds.' The 2010 amendment stipulates that the state must ensure this equality in practice and emphasises that women and men have equal rights. It was also added that measures taken cannot be interpreted as contrary to the principle of equality. In this framework, measures taken for children, the elderly, the disabled, widows and orphans of martyrs and veterans are not considered a violation of the principle of equality. Furthermore, no individual, family, group or class shall be privileged.

Turkey is a member of international organisations such as the United Nations (UN), NATO, the Organisation for Economic Co-operation and Development (OECD), the G-20 and the Organisation of Islamic Cooperation (OIC) and is in the process of accession to the European Union (EU). Turkey was one of the first European countries to grant women the right to vote in 1934 and has a strong women's movement. Women's rights advocates in Turkey have campaigned nationwide for the adoption of laws to combat violence against women and for gender equality.

Turkey's International and National Obligations

- Turkey became a party to the Convention on the Elimination of All Forms of Discrimination against Women (CEDAW) in 1985 and ratified the Optional Protocol to CEDAW in 2002.
- Turkey was the first country to sign the Convention on Preventing and Combating Violence against Women and Domestic Violence, known as the Istanbul Convention, in 2011 and ratified it in 2012.

- In 2015, the Council of Higher Education (YÖK) published the Position Paper on Gender Equality in Higher Education.
- In 2019, the Scientific and Technological Research Council of Turkey (TÜBİTAK) published policy guidelines to increase the participation of women researchers in TÜBİTAK processes.
- Turkey's 11th Development Plan for the period 2019-2023 includes measures and targets aimed at empowering women, preventing discrimination against women and ensuring women's access to equal opportunities with men.

Boğaziçi University's Actions Boğaziçi University continues to take important steps towards gender equality. The university's gender equality policies are developed and implemented in accordance with both national and international norms. Special databases are created to support women to take a more active role in their academic careers, and various awareness and training programmes are organised to support women employees and students.

Within this framework, in order to achieve sustainable gender equality goals within the university:

- Incentive policies are implemented to make women more visible and active in research and academic processes,
- It is ensured that statistical data on women employees and students are collected and updated,
- The role of women in academia and social life is being increased,
- Special projects and support programmes are organised for women.

Boğaziçi University aims to set an example for Turkey and the world in the field of sustainability by taking steps towards gender equality.

https://mediastore.cc.bogazici.edu.tr/web/userfiles/files/bogazici.edu.tr/menuler/kampusler/gender_equality_plan.pdf

Sustainable Development Goal 1: No Poverty

Boğaziçi University's Steps Towards Equal Opportunity and Social Development

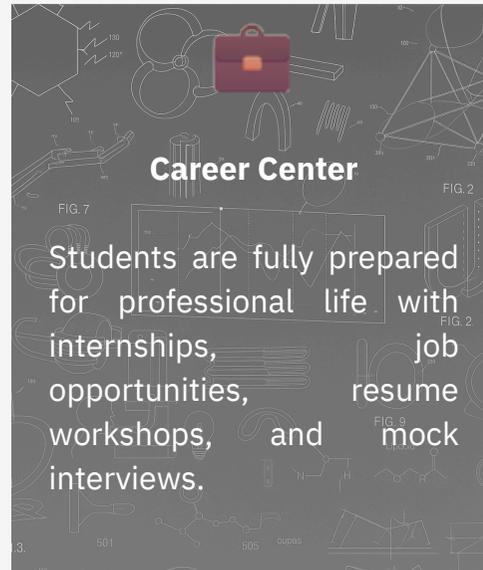
Holistic Support Strategies for Low-Income Students

Boğaziçi University offers a multifaceted support ecosystem to ensure students from the lowest income bracket have access to quality education and to raise them as individuals who will lead society.



Academic Advising

One-on-one support is provided to each student on course selection, career planning, and adapting to university life.



Career Center

Students are fully prepared for professional life with internships, job opportunities, resume workshops, and mock interviews.



Mentorship Programs

Platforms like Boğaziçi Network and BounWIB connect students with alumni and industry professionals.



Special Projects

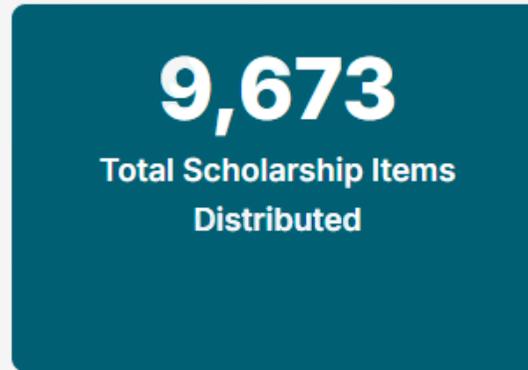
Targeted career and development support is provided through projects like Engineer Girls of Turkey and the Energy Academy.



The Sustainable Development Goal (SDG) associated with each section can be easily identified by referring to the SDG icons located in the corners of the page.

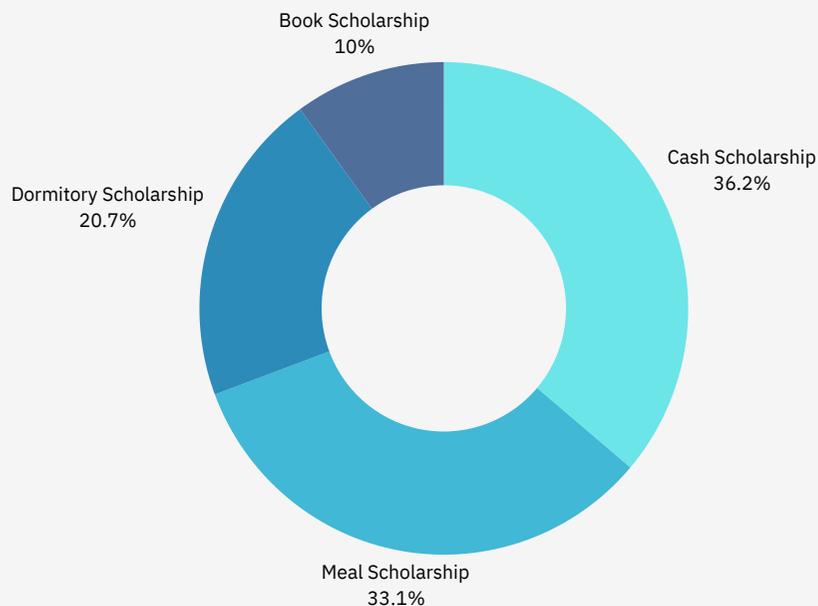


Scholarships and Support Programs in Numbers (2023-2024)



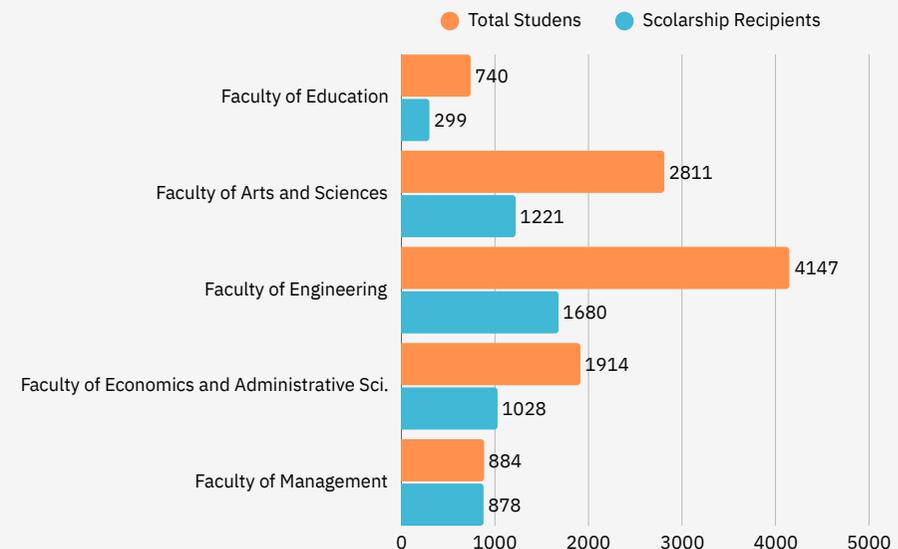
Distribution of Scholarship Types

Support programs designed to meet the diverse needs of students include different types of scholarships such as cash, dormitory, meal, and book grants. This distribution shows that we stand by every student with a holistic approach.



Scholarship Recipient Distribution by Faculty

The distribution of scholarship recipients in proportion to the number of students in different faculties demonstrates that support is spread fairly across the university. This chart reflects our commitment to reaching students in need.



Free Services that Strengthen Equal Opportunity



Health Services

Free primary care diagnosis and treatment services are provided to all students.



Psychological Counseling

BÜREM supports the mental and emotional well-being of students.



Free Transportation

Inter-campus shuttle services eliminate transportation costs for students.



Part-Time Work

Students gain both experience and financial support by working in various units.

The Entrepreneurship Ecosystem Building the Future

We contribute to economic development and employment by supporting local startups. We offer our students and graduates all the support they need to bring their ideas to life.

Bright Entrepreneurship Center

Offers comprehensive support in training, mentorship, workshops, and fundraising.

Incubation and Technoparks

DreamBU, Teknopark, and BÜDOTEK provide infrastructure and office support for tech-focused ideas.

Key Programs and Events

DreamBIGG: A TÜBİTAK-supported program.
Startup Carnival: A festival with 5000+ attendees.
Pitching Day: Where ideas meet investors.

Sustainable Development Goal 2: Zero Hunger



Community Served
~**15,000** people

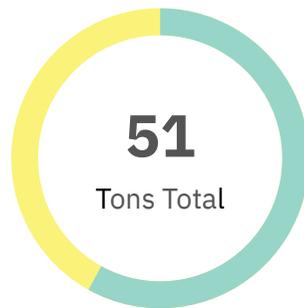


Students Receiving Meal Scholarship
1,078 students



Total Scholarship Amount (2024)
~**\$520k** USD
(~21.7 Million TRY)

Food Waste Management (2024)



Food Waste Distribution

- **Recycled: 58.4%** (29,776 kg)
- **Other: 41.6%** (21,217 kg)

Waste Oil Recovery

- ✓ **100% Recovered**

All 5,710 kg of waste oil was recycled.

Dining Hall Physical Capacity

Total Area **4,007 m²**

Total Capacity **1,734 people**

Distribution by Campus (People):

North Campus: **660** Kilyos Campus: **118**
Anadolu Hisari Campus: **473** Kandilli Campus: **200**
South Campus: **159** Hisar Campus: **124**

Student Support Programs & Fees

Student Meal Fee
~**\$1.2 USD**
Lunch & Dinner (50 TRY)

Meal Scholarship Budget
~**\$134k USD**
(~5.6 Million TRY)

Total Scholarship Recipients
3,303
All scholarship types included



Sustainable Development Goal 3: Good Health and Well-being



LifeSci Center
Publications
1,200+



First Aid Trainees
(2023)
884 people



LifeSci Center
Projects
100+

Boğaziçi LifeSci Research Center

Established in 2009, the center is one of Turkey's leading institutions in the life sciences field.

~7,500
Square Meter Area

460+
Researchers & Staff

3
Different Campuses

Community Health Initiatives (2023)

First aid training organized for internal and external stakeholders.

Awareness Seminars **857** People

Basic Training (16 hrs) **27** People

Sports & Well-being Events

International Sports Fest

1,000
Athletes (from 13 Countries)

Snow Break Festival

500+
Student Participants

Mount Ararat Summit

5,137 m
Turkey's Highest Peak

Sports-Friendly Campus

✓
YÖK & GSB Approved

Sustainable Development Goal 4: Quality Education

2023-2024 Report Numerical Data Dashboard

Graduates with Teaching Qualification (2023)

803

Total Library Publications

3.39 Million+

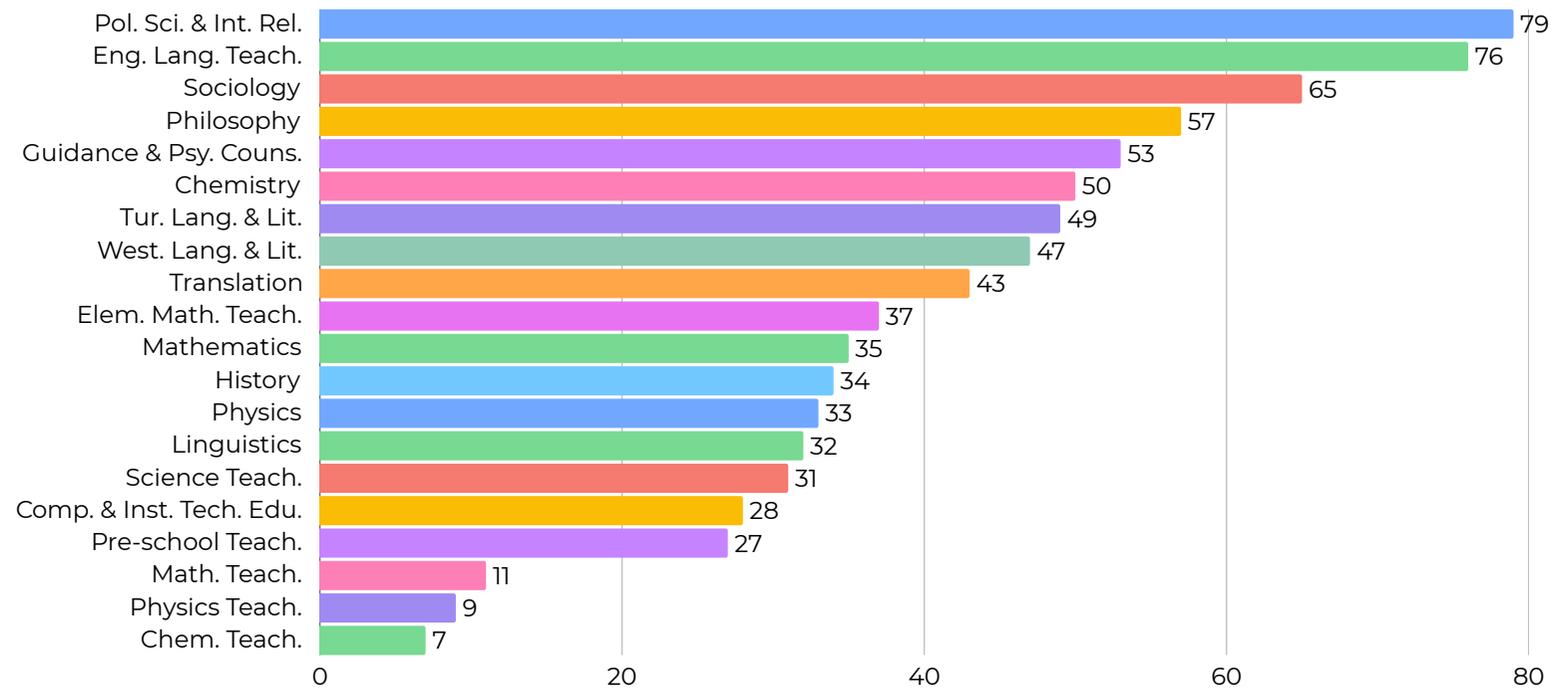
Disaster Awareness Training Participants (2024)

8,404

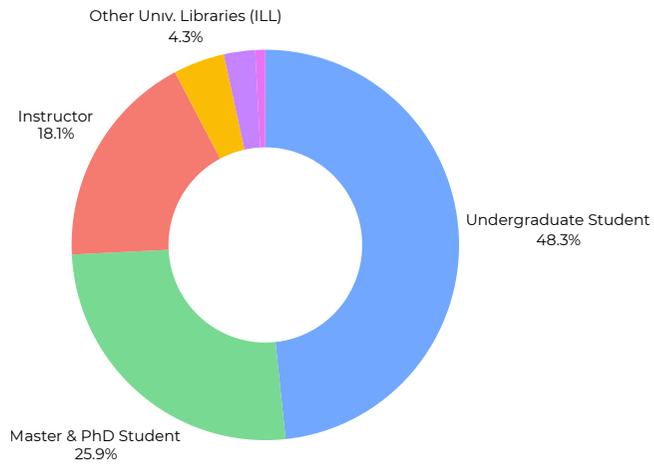
Cybersecurity Camp Participants (2024)

800

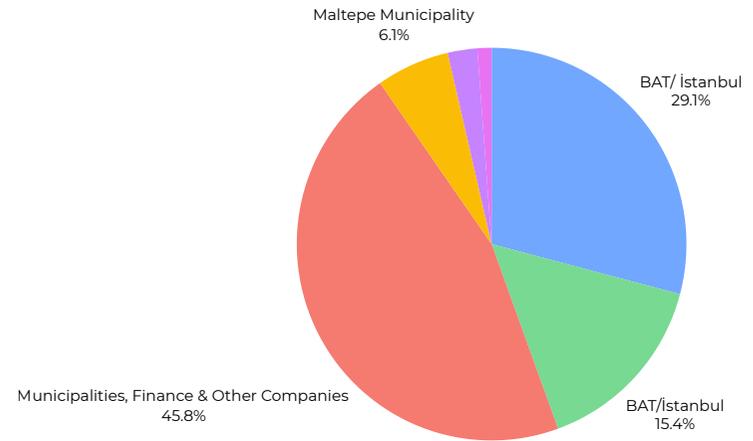
Distribution of Graduates with Teaching Qualification by Department (2023)



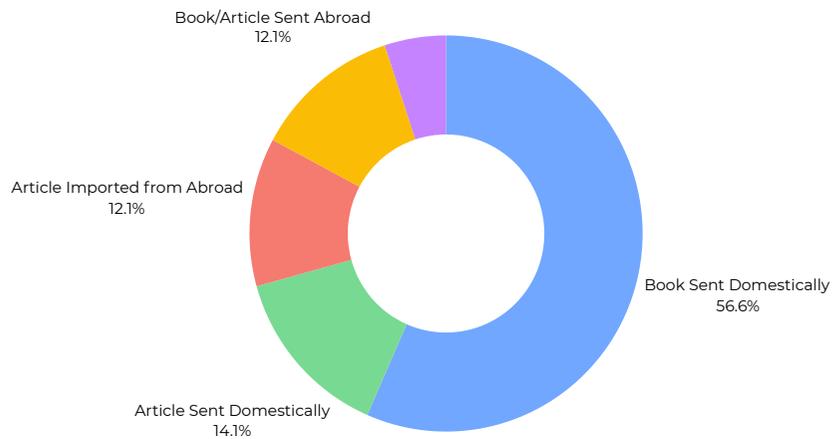
Library Lending Distribution (2024)



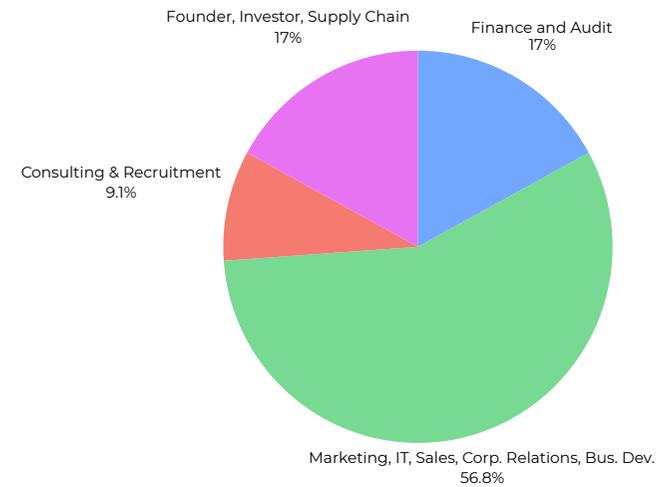
Corporate Disaster Training Participant Distribution (2024)



Interlibrary Loan (ILL) Ratios (2024)



Executive MBA Class Profile



Sustainable Development Goal-5 Report

Gender Equality Goal Numerical Data Dashboard

Student Demographics (2024)



Female Students



Male Students

Prominent Faculties (2023-2024):

- Faculty of Engineering: The number of male students is more than double that of female students.
- Institute of Social Sciences: The number of female students is higher than male students.

Excellence Scholarship

~\$3,030

One-time support for students ranking in the top 3.

Achievement Scholarship I

~\$455/mo

For students in the top 10, for 9 months.

Parental Leave Policies

16 Weeks Maternity Leave: 8 weeks before and 8 after childbirth.

10 Days Paternity Leave: For staff whose spouse gives birth.

3 Hours/Day Nursing Leave: During the first 6 months.

24 Months Unpaid Leave: For parents after childbirth.

Achievement Scholarship II

~\$303/mo

For students ranking 11-100, for 9 months.

Facilities & Programs

12-66 mo Preschool Education Unit

6-12 yrs Summer Camp Program

25 Women Leaders Program Graduates (2023)

Awards & Achievements

Prof. Dr. Nurcan Meral Özel
Japan's Order of the Rising Sun (2024)

Eda Duman
Young Translators' Contest Runner-up (2023)

Prof. Dr. Günay Kut
Presidential Grand Award for Culture and Arts (2024)

Boğaziçi University Water Management Dashboard

Graphical Presentation of Sustainable Development Report Data (October 2025)

35%

Water Saving Rate in Dorms

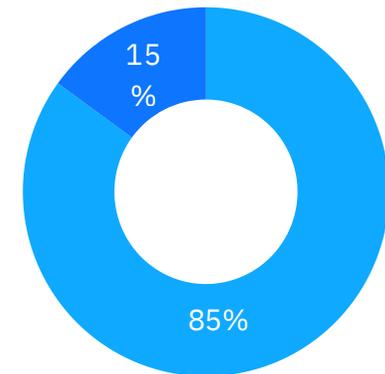
16 m³

Daily Gray Water Recovery in Dorms

Male Dormitory Water Source Distribution

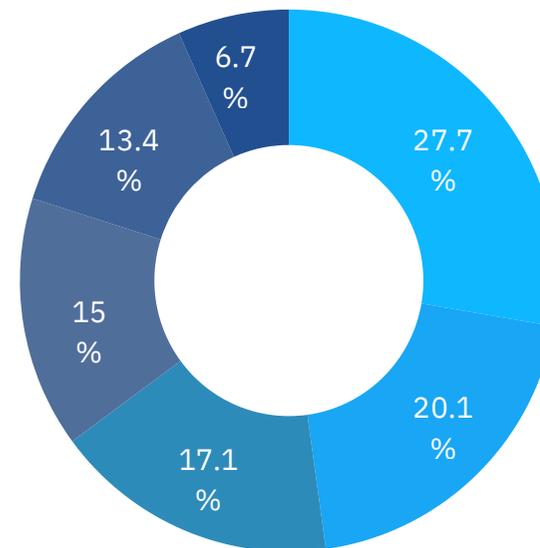
Male Dormitory Water Source

- Municipal Water Supply
- Recycled Gray Water



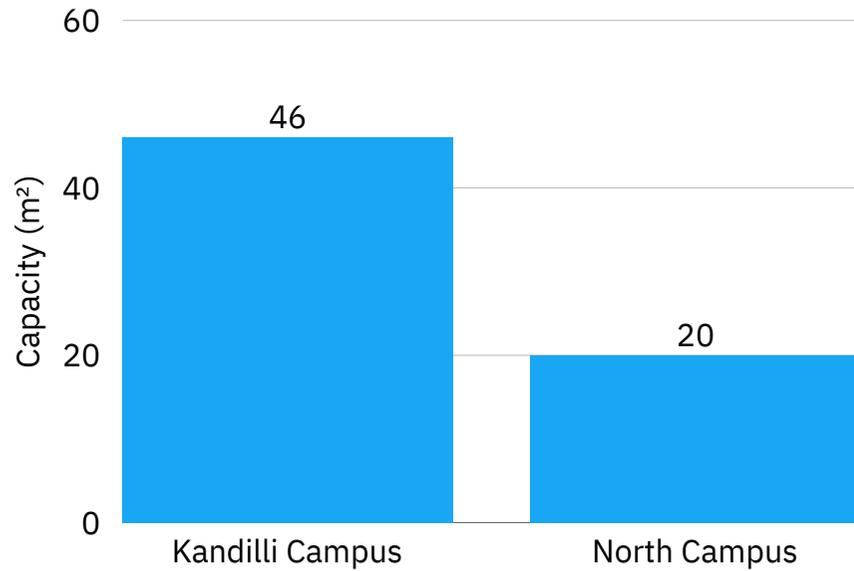
Water Consumption Distribution by Building

- Albert Long Hall
- Male Dormitory
- Anderson Hall
- Dodge Hall
- Female Dormitory
- Washburn Hall



Rainwater Collection Tank Capacities

Rainwater Collection Tank Capacities (m³)



Note: Hisar Campus has an annual collection potential of 1747 m³.

🎓 Education & Awareness Timeline

- 2018** Online Sustainable Development Training (159 students)
- 2021** Publication of Plastic Waste Report with WWF
- 2023** Organization of the Climate-Water-Agriculture Summit

🏆 LEED Green Building Certificates

3

Gold Certificates
2012, 2015, 2016

1

Silver Certificate
2018



Boğaziçi University's Energy Transformation in Numbers

A visual report card of the university's clean energy journey with data from the October 2025 Sustainable Development Report



Green Buildings & Standards

4

LEED Certified Buildings

3 Gold 1 Silver

2

International Management Certificates (ISO)



Kilyos Wind Power Plant (BÜRES)

The energy powerhouse of the campus, Carbon Neutral since 2015.

1 MW

Installed Capacity

900 tons/yr

CO₂ Prevented

1 Million

kWh/yr Savings

Energy Production/Consumption Ratio

140% of Need is Generated



Net Zero Targets

2030 Target

50% Reduction

In building-related emissions

2050 Target

100% Zero Emissions

In all areas





Europe's First Carbon-Negative Biorefinery

1,200 tons

Annual CO₂ capture and utilization capacity



Green Energy Agreement (2024)

12 Million kWh

Energy supplied from certified renewable sources

~5,904 tons of CO₂ prevented



Energy Efficiency Projects

KABEV Project

53,971 m²

Efficiency in 9 Buildings

KADEV Project

58,911 m²

Transformation in 12 Buildings



On-Campus Sustainability Practices

5

Buildings with Photovoltaic Panels

6

Electric Vehicle Charging Stations

75

Modern Condensing Boilers



Education & Industry Collaborations

22 Years

Corporate Sustainability Program

100

Students/term at the Energy Academy

60 sec

Emission Estimation with AI



Personnel Data Dashboard

Overview Based on 2024 Data

Total Faculty Members

442

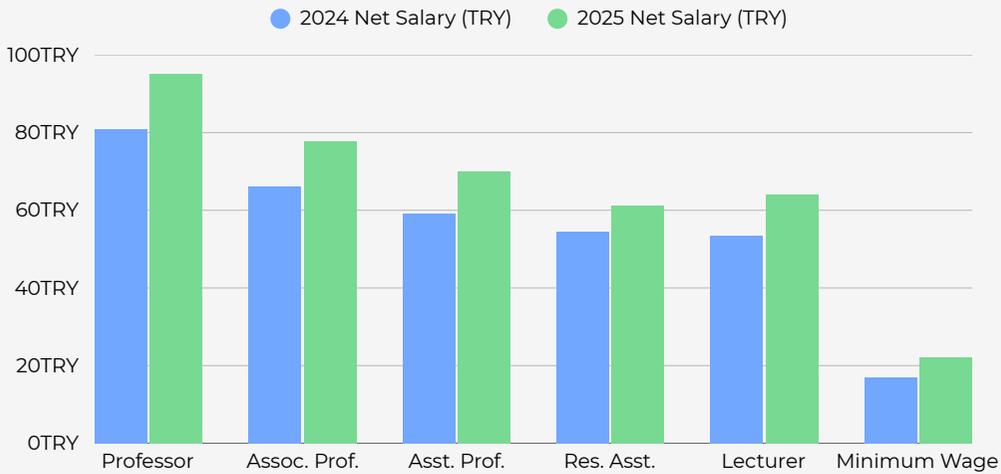
Total Administrative Staff

1,468

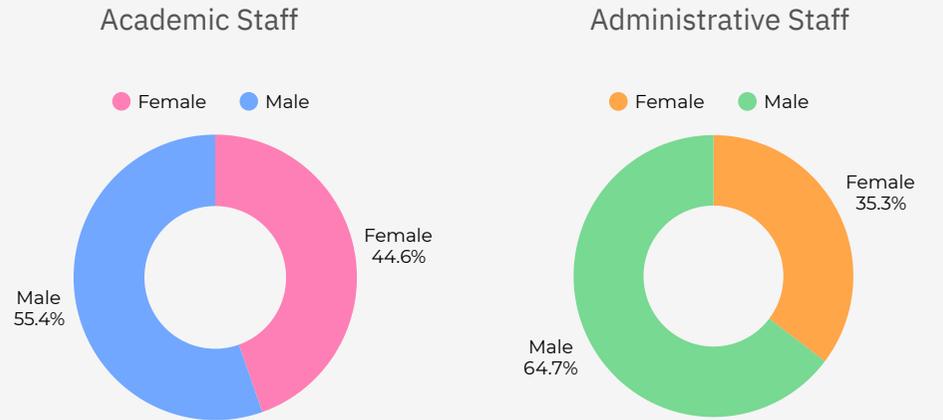
Ratio of Female Academic Staff

44.6%

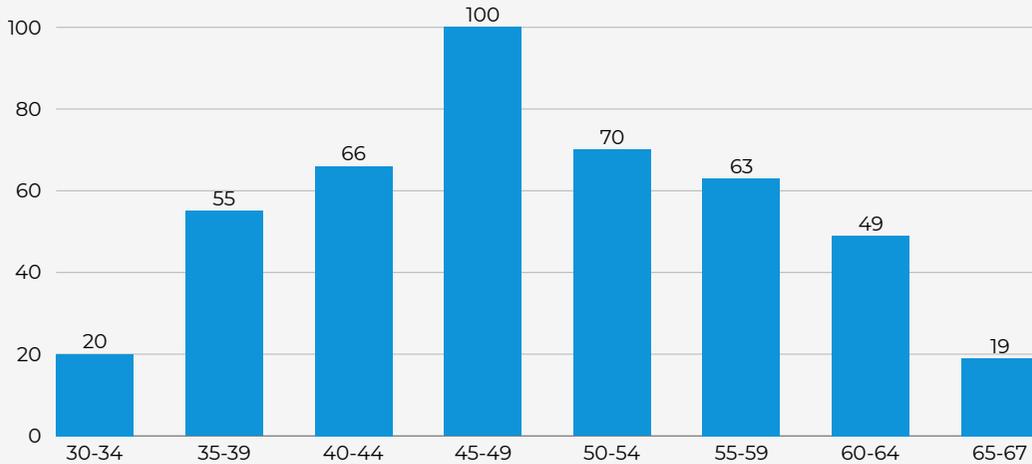
Academic Staff Net Salaries (2024-2025)



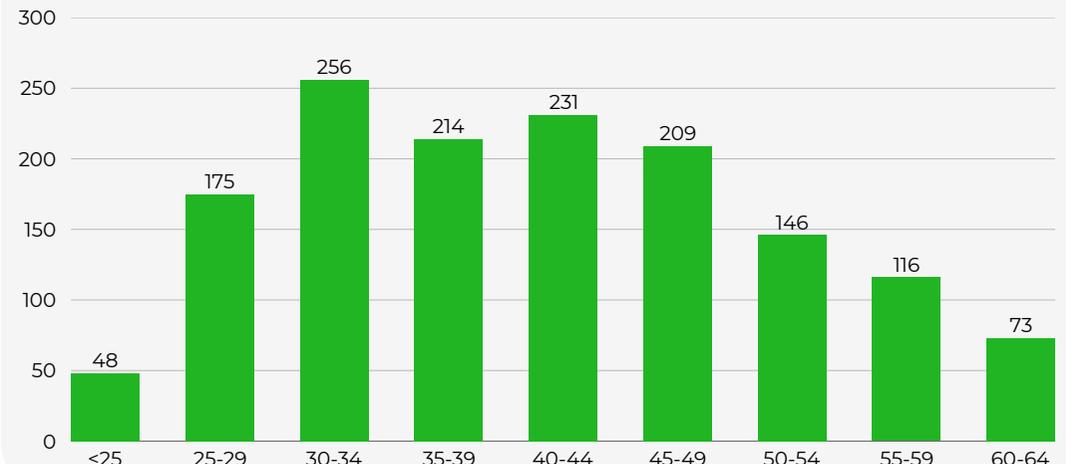
Staff Gender Distribution (2024)



Academic Staff Age Distribution (2024)



Administrative Staff Age Distribution (2024)



Industry, Innovation and Infrastructure

An interactive summary of Boğaziçi University's contributions to the entrepreneurship ecosystem, pioneering research, and technological infrastructure under Sustainable Development Goal 9

Total Investment

51,484,000

Biocube, DREAM BIGG & Bright Young

Technopark Target Area

120,000 m²

For advanced technology and R&D

Academic Output

1,200+

Boğaziçi LifeSci High-Impact Publications

International Patents

20+

From Boğaziçi LifeSci Center

Entrepreneurship Ecosystem

Boğaziçi University offers a comprehensive support network to transform innovative ideas into sustainable businesses. From major investments like the Biocube Incubation Center to funds provided through programs like DREAM BIGG and Bright Young Initiative, it supports entrepreneurs at every stage, directly contributing to Turkey's technology and innovation capacity.

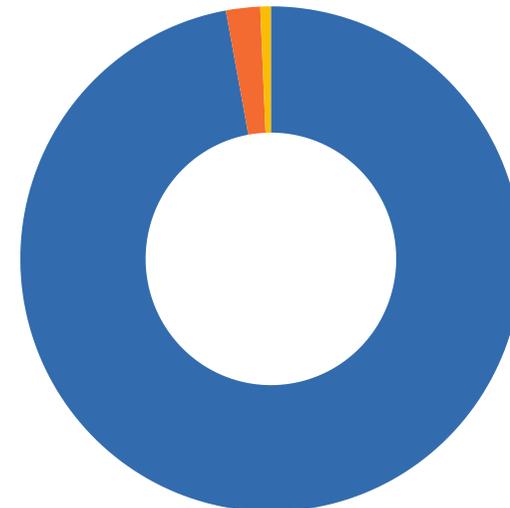
■ Biocube Incubation Center: A thematic center established with an investment of over 50 Million TRY, focusing on biotechnology, pharmaceuticals, and medical devices.

■ DREAM BIGG: Provided over 1.1 Million TRY in funding to technology startups through the TÜBİTAK-supported program.

■ Bright Young Initiative: Encourages young entrepreneurs by offering 350,000 TRY in financial support for student projects.

Investment Distribution of Programs

- Biocube Incubation Center
- DREAM BIGG
- Bright Young Initiative



Pioneering Research and Innovation

Our university is pioneering groundbreaking projects in a wide range of fields, from artificial intelligence to space sciences, and from health to engineering. The technologies developed by our researchers provide societal benefits and enhance Turkey's global competitiveness. You can filter by category to explore the projects below.

Space

Microalgae Life Support for Space

A biological life support system for space missions that converts CO2 to oxygen and can meet the needs of a 3-person crew.

3-5x More Efficient

Artificial Intelligence

AI-Powered Cost Analysis

Software that calculates critical parameters like cost, production time, and carbon emissions from technical drawings in 1 minute.

Estimate in 60 Seconds

Engineering

Next-Gen Supercapacitors

Flexible, fast-charging, and long-lasting energy storage solutions for electric vehicles and renewable energy systems.

Fast Charge & Long Life

Health

Boğaziçi LifeSci: Health Innovation

Innovative solutions from Turkey's first domestic drug candidate to smart drug systems, vaccine technologies, and biomaterials.

100+ Projects, 20+ Patents

Health

Computational MR Imaging

An international collaboration developing new MRI techniques to support the early diagnosis of multiple sclerosis (MS).

EU-Funded Project

Artificial Intelligence

AI-Powered Crime Prediction

A dynamic system using deep learning to predict the street where a crime will occur one day in advance with 80% accuracy.

80% Accuracy

Artificial Intelligence

AI in Cancer Diagnosis

AI models that enable faster, more precise analysis of tissues and cells in pathology, facilitating early detection of metastasis.

Speed and Accuracy

Artificial Intelligence

A Real Personal Assistant Model

A next-generation AI agent running on mobile devices that can make purchases, plan vacations, and organize meetings for the user.

Next-Gen AI

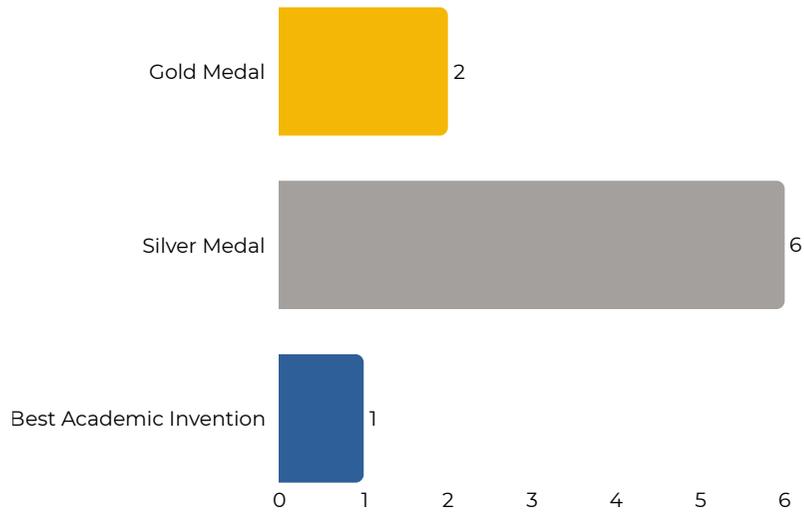
Engineering

ISIF'24 Award-Winning Inventions

Award-winning projects in various fields, from an antigen delivery method and sleep apnea device to vibration isolation systems and wound-healing hydrogels.

9 Awards

ISIF'24 Invention Fair Award Distribution



Awards and Recognition

Boğaziçi University scientists and students demonstrate their excellence in research and innovation through prestigious awards won on national and international platforms. Achievements at major events like TEKNOFEST and the International Invention Fair (ISIF) are the most concrete indicators of the university's capacity for socially beneficial scientific production.

Great Success at ISIF'24 Fair

Our researchers won a total of **9 awards** at the fair organized by TÜRKPATENT.

Double Victory at TEKNOFEST 2025

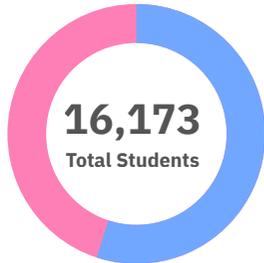
Our Ph.D. student won both the **First Prize** and the **Best Commercialization Potential Award** with her project, selected from 14,610 applications.

Boğaziçi University by the Numbers

2023-2024 Academic Year Diversity and Inclusion Data



Student Demographics



● Male: 55% ● Female: 45%

13,181
Undergraduate

2,992
Graduate



Financial Aid & Scholarships

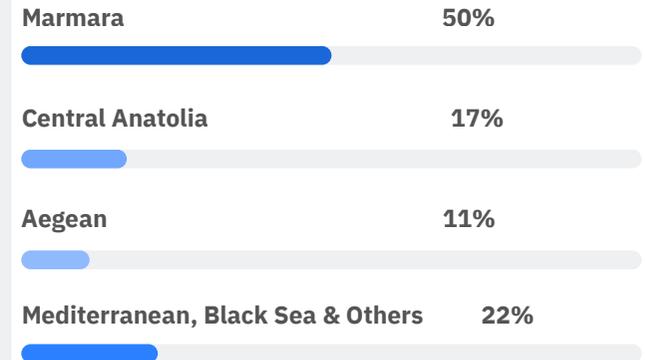
\$4.15M

Total Scholarship Amount
9,673 Scholarships

Governmental Org.: \$2.39M
Foundations & Inst.: \$1.24M
Boğaziçi University: \$0.52M



Geographical Diversity (2024)



35%
From Istanbul

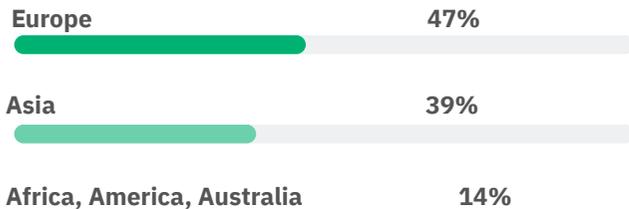
65%
From Other Cities



International Community

433

International Students
Distribution by Continent



Accessible University

Support and Inclusion for Individuals with Disabilities

21 Students with Disabilities (Undergraduate 2024-25)	26 Staff with Disabilities (Academic & Admin)
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Data Source

The data on this dashboard is compiled from Boğaziçi University's Sustainable Development Goals Progress Report.

[View Report →](#)

Sustainable Development Goal 11: Data Dashboard

Source: Sustainable Development Goals Progress Report, October 2025



Library Resources

755,076

Total Printed Publications

2,637,254

Electronic Publications

15,183

Archive Materials

576,697

Books

162,608

Printed Periodicals

1,233

N. Hikmet Bibliography

Interlibrary Loan (2024)

Books Sent to Libraries in Turkey

590

Articles Sent to Libraries in Turkey

195

Resources Sent to Libraries Abroad

65

Total Sent: 850 Resources



Important Dates

1863 Establishment of Robert College

1868 Establishment of Kandilli Observatory

1871 Completion of Hamlin Hall

1913 Donation of the historic organ



Transportation Services

Year	# of Shuttles	Occupancy (%)
2022	49	91%
2023	60	88%
2024	63	95%
2025 (Target)	65	93%

6 Electric Vehicle Charging Stations (2023)



Student Dormitory Capacities (2024-2025)



Waste Management Dashboard (2024 Data)

Total Food Waste

50,993 kg

Amount collected from dining halls and canteens.

Recycled Food

29,776 kg

Amount sent to compost and shelters.

Total Other Waste

57,451 kg

Paper, plastic, metal, and other recyclables.

Food Recovery Rate

58.4%

Percentage of total food waste recovered.

Recycled Waste Types (Non-Food)

Metal	22070 kg
Paper/Cardboard	13970 kg
Plastic	8640 kg
Oil	5710 kg
Medical	3711 kg
Chemical	2580 kg
Glass	970 kg

Food Waste Management

A significant portion of the total **50,993 kg** of food waste collected throughout the university has been sent for recovery.

29,776 kg Recycled
21,217 kg Other

Compost Unit Capacity

100 kg/day

The unit, located on the South Campus, converts organic waste into valuable biomass.

Sustainable Development Goal 13

Climate Action

Energy & Carbon Footprint

Renewable Energy Generation

1.65 Million kWh

Annual Average (Wind + Solar)

Wind Power Plant: 1,600,000 kWh

Solar Panels: 50,000 kWh

Total Low-Carbon Energy

12.05 Million kWh

2023 Total

Green Energy Supply: 10,400,000 kWh

Self-Generation: 1,650,000 kWh

Disaster Management & Early Warning

Earthquake Monitoring Network

100

Rapid Response Stations

10

Early Warning Stations

Carbon Emissions Prevented

~5,904 tons

2024 Forecast

This is equivalent to the annual carbon absorption of **14,365 trees**.

Kilyos Campus

Carbon Negative Vision

Current Wind Turbine: 1 MW

Planned Turbine: 5 MW

Biorefinery Capacity: 1,200 tons CO₂/year capture

Tsunami Early Warning

UN-accredited center since 2012.

48

Total Stations (28+20)

46

Tsunami Messages Sent

Goals, Education & History

Net Zero Carbon Goals

2030

50% Emission Reduction (in Buildings)

2050

Net Zero in All Areas

Education & Collaboration

İklimBU Established: 2014

Declaration Signatory: With 21 international universities

Climate change training for children, youth, parents, and teachers.

Historical Data Strength

Since **1911**

The continuous data record of the Kandilli Observatory's Meteorology Lab forms the basis for climate and disaster early warning systems.



A Journey to Protect and Sustain Life Below Water

As part of the United Nations Sustainable Development Goal 14: Life Below Water, Boğaziçi University undertakes multifaceted efforts to protect marine and freshwater ecosystems, reduce pollution, and sustainably manage water resources. This interactive report summarizes the university's concrete steps and achievements in research, on-campus practices, and public awareness.

3 Tons

Waste Collected from the Sea

During a cleanup dive by BÜSAS in Bodrum in 2016.

15%

Grey Water Recovery Rate

16 m³ of water is recovered daily thanks to systems in dorms.

100+

Trained Divers

Awareness for underwater ecosystems is raised by BÜSAS every year.

Pioneering Research and Projects

Our university leads and contributes to significant local and international scientific projects for the conservation and sustainability of water ecosystems.

Coastal Engineering Laboratory

The laboratory develops engineering solutions for the sustainable management of coastal and marine ecosystems, providing significant scientific contributions to coastal protection policies.

Act4Litter and Waste Analysis

In collaboration with WWF Turkey, a comprehensive waste analysis on marine pollution along the Turkish coast was conducted. This study provides policy recommendations for combating marine litter.

Ergene River and Lake Salda Research

Participation in an international study examining pharmaceutical pollution in the Ergene River and in projects that analyze the microbial ecology of Lake Salda, providing data for NASA's Mars research.

INDEPENDENT Project

A zero-waste, carbon-negative biorefinery project aiming to reduce dependency on fossil fuels and mitigate negative impacts on aquatic ecosystems by developing microalgae-based biofuels and biotechnology products.

Education and Public Awareness

Our university organizes various educational programs and events for students, local communities, and the national public to promote awareness of the conservation of life below water.

Academic Programs

Courses on water pollution, treatment, and management are offered in departments such as Chemistry and Environmental Sciences.

İklimBU and BU+ Lectures

Public seminars and lectures raise awareness about climate change, water management, and ecosystems.

UN SDSN Turkey Collaboration

Online courses on sustainable fisheries and aquatic ecosystems are organized to reach a wide audience.

BÜSAS (Underwater Sports Club)

Both practical conservation activities and environmental awareness are fostered through diving training and sea cleanup events.

Tomorrow's Water Project

In collaboration with local communities, documentaries and educational content are produced to increase social awareness of sustainable water use.

Sustainable Tourism M.A.

A master's program that trains environmentally conscious professionals who adopt sustainability principles in the tourism sector.

Protecting and Promoting Life on Land

An interactive summary of Boğaziçi University's activities for the protection, restoration, and sustainable use of terrestrial ecosystems under Sustainable Development Goal 15.

1200+

Documented plant species on the South Campus.

4

International LEED Green Building Certificates.

30

Endangered Yelkouan Shearwaters being monitored.

Zero Waste

Comprehensive waste management policy implemented across campus.

Nature on Campus

The university campuses are living laboratories that host and protect rich biodiversity. From centuries-old trees to endemic plants and resident animals, natural life is carefully preserved.



Campus Conservation Activities

Monumental trees, like the centuries-old pines of the South Campus, are protected, and policies have been developed to preserve the vegetation and natural life on all campuses.



Animals on Campus

With the support of student societies like BUPAWS, natural habitats are created for animals on campus, and their care and nutritional needs are met.



Conservation of Endemic Species

Rare and endemic plant species, such as sand lilies, are protected on the Sarıtepe Campus, and afforestation projects are carried out in collaboration with the TEMA Foundation.

Sustainable Food

Ensuring that food consumed on campus is grown sustainably, supporting local producers, and promoting fair food systems are among the university's priorities.



Tarlataban Community

This community provides permaculture-based agricultural training on campus and cultivates crops using heirloom seeds, spreading awareness of sustainable agriculture.



BÜKOOP Initiative

BÜKOOP is a cooperative model that directly connects consumers with local and small producers, supporting fair and healthy food access.



Sustainable Purchasing

All vegetables and fruits used in cafeteria services are selected from local and seasonal sources, supporting natural production methods with low chemical use.

Research & Conservation

The university leads important scientific projects on biodiversity conservation and ecosystem sustainability, taking concrete steps to protect endangered species.



Yelkouan Shearwater Conservation Project

In a TÜBİTAK-supported project, satellite transmitters were attached to 30 endangered Yelkouan Shearwaters to monitor their migration routes and breeding colonies. This data is critical for protecting the species' habitat.



Climate Change-Resilient Plants

At the Department of Molecular Biology and Genetics, research is conducted on genes that regulate dormancy in plant seeds to develop "smart plants" resilient to climate change, aiming to contribute to sustainable agriculture and food security.

Education & Awareness

Various educational programs, seminars, and events are organized to raise awareness in local and national communities about ecosystem protection.

İklimBU Trainings

Informative training sessions for the public and private sectors on the impacts of climate change.

Nature School Project

Ecological literacy training for young people in partnership with the TEMA Foundation.

BU+ Public Lectures

Public lectures on topics such as biodiversity and environmental management.

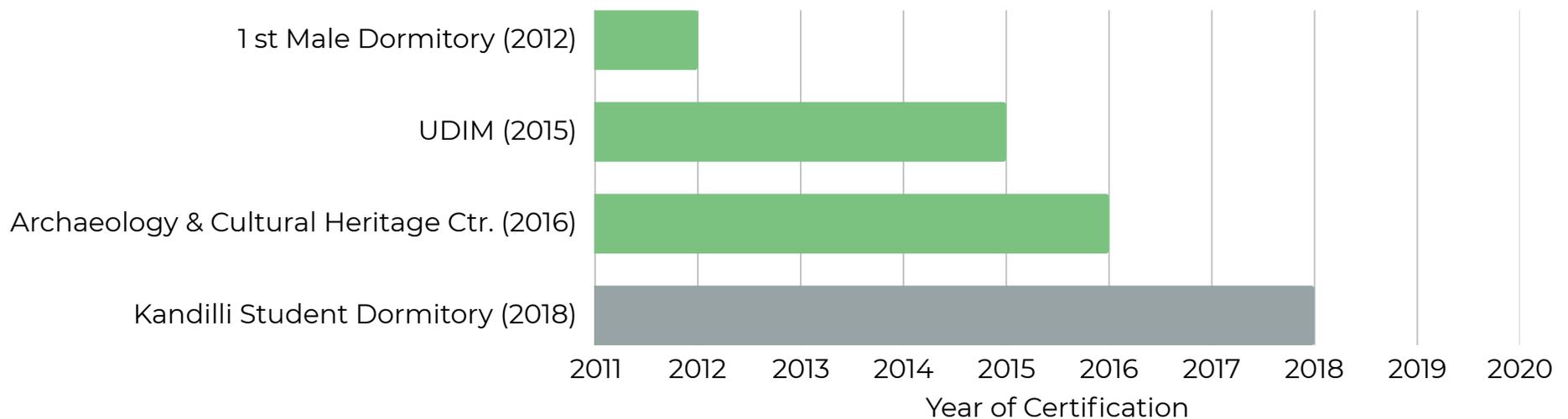
BÜÇEK Events

Recycling, water conservation, and clean-up campaigns organized by the Environment Club.

Policy & Management

The university applies comprehensive policies based on sustainability principles in land use, construction, and waste management processes. This approach is supported by international standards and certifications.

Green Buildings Timeline: LEED Certifications



Sustainable Development Goal 16

Peace, Justice and Strong Institutions: Numerical Data Dashboard

Financial Transparency (2024)

Total Budget Utilization

94%

3.09 Billion TRY Spent

Revenue Budget Realization

109%

Revenue Above Projections

Annual Budget Increases

2023/2022: **+260%**

2024/2023: **+236%**

2024 Expense Item Utilization Rates

Personnel Expenses

%99

Social Security Premiums

%98

Goods and Services Purchases

%94

Capital Expenditures

%81



Disaster & Risk Management

>45,000

Seismic events detected in 1 year after the Feb 6 earthquakes.

~500

Active fault lines in Turkey capable of producing 5.5+ magnitude earthquakes.



Governance & Participation

Student Representative Council Elections

An indicator of a participatory and democratic governance approach.

Dec 18-22, 2023

Election Dates



Strategic Plan & Events

2024-2030

Climate Change Mitigation Strategy and Action Plan

UDSEP-2023

National Earthquake Strategy and Action Plan

May 7, 2024

Symposium on Competition in Labor Markets

Jul 4, 2025

Global Security Conference

Aug 3-4, 2025

Rethinking International Law After Gaza Conference

Sustainable Development Goals 17

Expanded Dashboard



Key Projects and Their Impact

\$1.25 M

Istanbul Codes Project Budget

550

Youth Participants in Istanbul Codes Project

724

Seniors Trained in 65+ Digital Inclusion Project

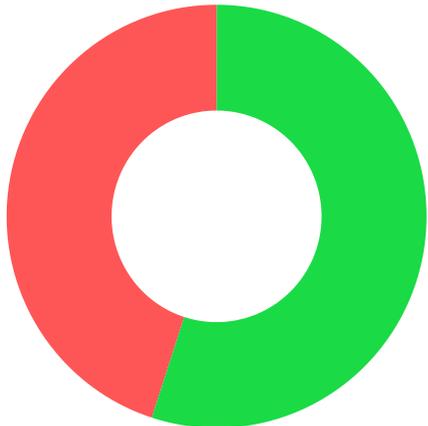
2030

Female Student Participants in Womomentum Program

Student Sustainability Awareness (2023 Survey)

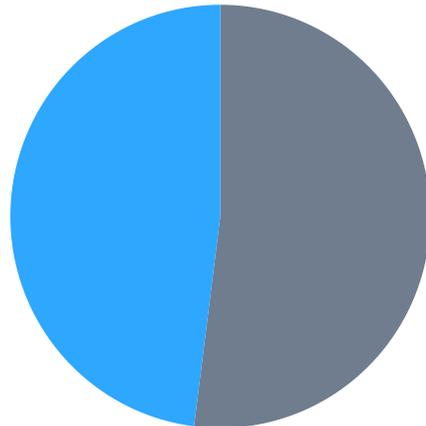
Environmental Awareness Level

- Sufficiently Aware
- Not Aware

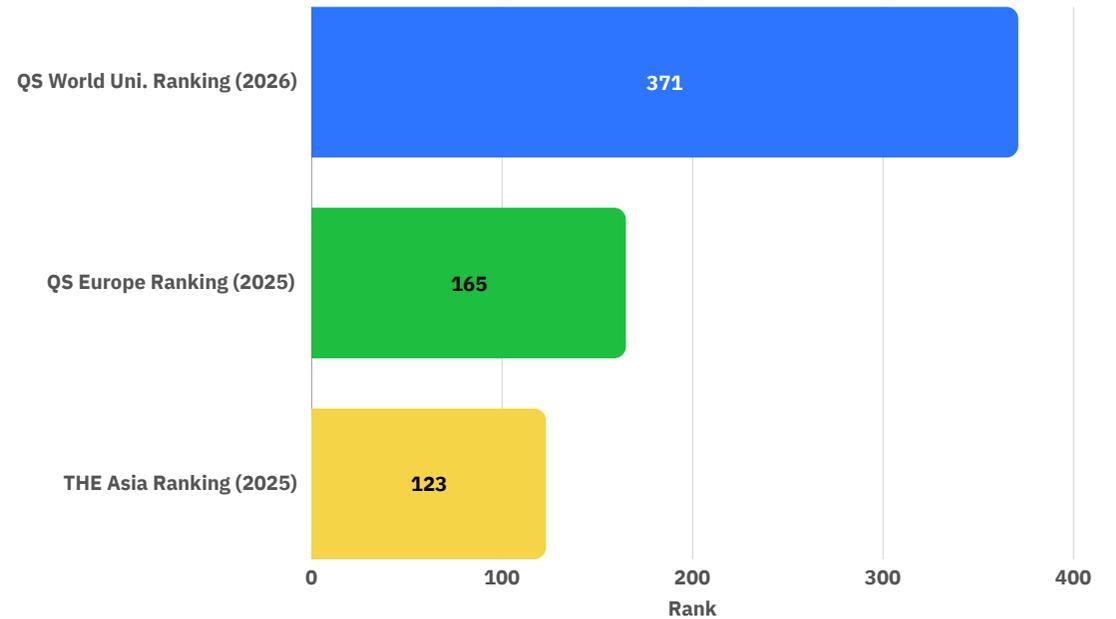


Wind Plant Awareness

- Haven't Heard
- Heard



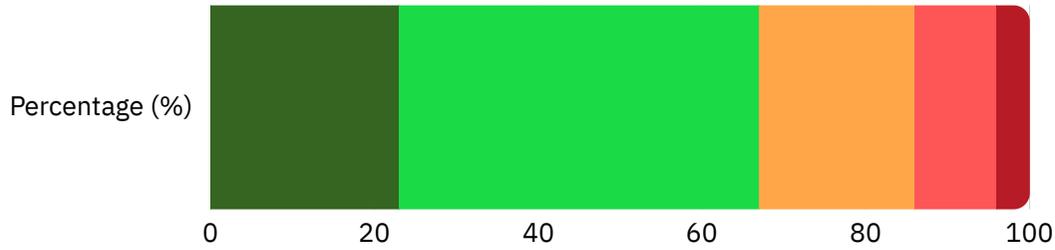
Position in International and National Rankings



Student Habits: Detailed Survey Results (2023)

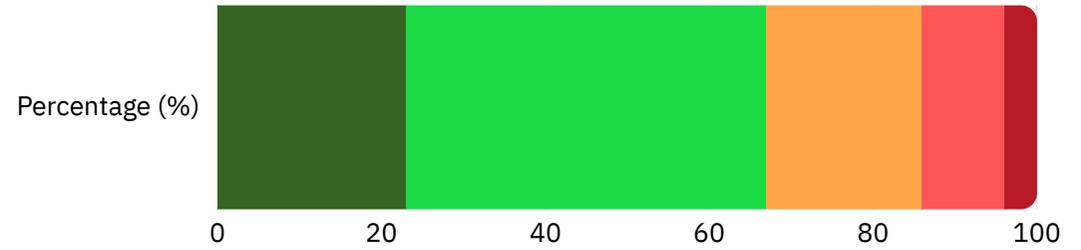
“I look for alternatives to disposable products.”

● Strongly Agree ● Agree ● Neutral ● Disagree
● Strongly Disagree



“I sort my household waste by type.”

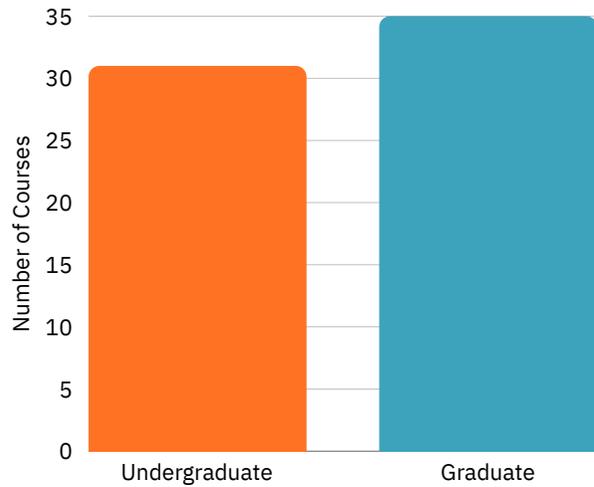
● Strongly Agree ● Agree ● Neutral ● Disagree
● Strongly Disagree



Academic Programs (2022-23)

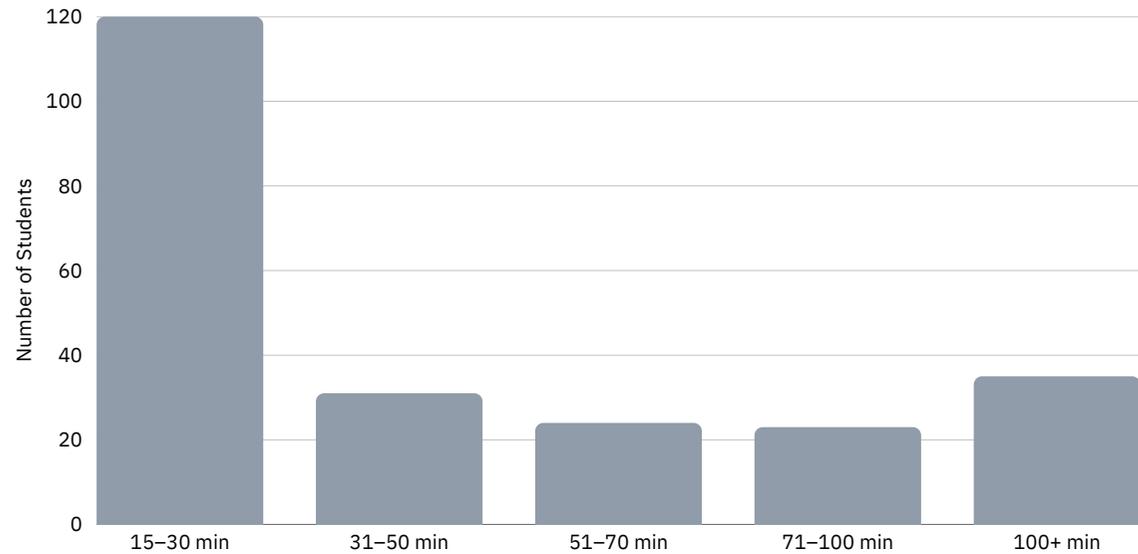
Sustainability Courses

● Undergraduate ● Graduate



Student Commute Times (2023 Survey)

Daily Commute Time



Key Events Timeline (2023-2025)

April 2023

Green Business Summit and Climate-Water-Agriculture Summit were held.

August 2023

Inaugural meeting for the Istanbul Codes Project was held.

Nov-Dec 2023

Participation in the COP28 Conference and various sustainability summits were held.

November 2024

Leading European universities gathered for the NeurotechEU Meeting.

May-July 2025

Finance Summit, National Geosynthetics Conference, and International Law Conference were held.

Boğaziçi LifeSci Research Outputs

>100

Advanced Research Projects

>1200

High-Impact Academic Publications

>20

International Patents





Learn More

As Boğaziçi University, we hope that this report will help you review our progress and future steps in our sustainability journey. Our university transparently reports its sustainability performance every year. You can visit our sustainability website to learn more about Boğaziçi University's sustainability initiatives and how you can contribute to this process. Your insights, suggestions, and feedback are highly valued and essential to our continuous improvement.

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