ESKİŞEHİR OSMANGAZI UNIVERSITY

SUSTAINABILITY REPORT

2025

Eskişehir Osmangazi University Sustainable Green Campus Strategy

1. Eskişehir Osmangazi University Green Campus Vision

Eskişehir Osmangazi University's Green Campus Strategy adopts a comprehensive approach that integrates the principles of environmental sustainability, climate-friendly practices, social responsibility and innovation. This strategy is based on national and international standards and relevant legal regulations and aims to increase efficiency in energy production, transmission and consumption on the university campus, to prevent unconscious use and waste, and to make energy costs sustainable. It also includes important elements such as reducing greenhouse gas emissions within the scope of combating climate change, protecting natural resources with the land use and storm water management plan, and preventing environmental pollution with the waste management plan.

Eskisehir Osmangazi University Campuses are committed to taking actions in line with the strategic goals and objectives set by the Green Campus Strategy. In this framework, this strategy document, which constitutes the priority and important components of environmental and energy policy, aims to improve the sustainability and environmental impact of the university campuses.

In the short term, implement energy and water conservation policies, initiate and promote recycling programs, create bicycle lanes and public transportation services to make campus transportation sustainable. In the medium term, investing in renewable energy sources, adapting campus buildings to energy efficiency standards, encouraging the purchase of environmentally friendly products. In the long term, constructing green buildings and updating existing buildings according to these standards, making education and research programs sustainability-oriented, protecting and increasing natural areas on campus.

2. ESOGU Sustainability Principles

The sustainability principles of Eskişehir Osmangazi University aim to realize all necessary activities in accordance with the following basic principles policy for an environmentally, economically and socially sustainable future.

a. **Environmental Responsibility**: The University's environmental responsibility aims to adopt the policy of protecting natural resources, supporting biodiversity and reducing carbon footprint. In addition, it should include practices such as increasing energy efficiency on campuses, waste reduction and recycling. Eskişehir Osmangazi University should evaluate its environmental impact by determining its own carbon footprint. In this direction, strategies should be developed for more efficient energy use by analyzing the energy resources used on and around the campus.

In line with the environmental responsibility assessment and sustainability policies of Eskişehir Osmangazi University, the biodiversity in the campus area should be protected and all necessary studies should be carried out to examine the ecosystems on the university land and to protect and improve the habitat.

b. **Community Engagement and Partnership:** Eskisehir Osmangazi University should collaborate with local communities, understand community needs and partner in sustainability efforts.

c. **Community Education and Awareness:** Eskisehir Osmangazi University should organize educational programs and events to raise awareness about sustainability among students, staff and the community.

d. **Research and Innovation:** Eskisehir Osmangazi University should promote sustainability-related research and innovation, provide support for pioneering work and encourage knowledge sharing in this field.

e. **Impact Assessment and Improvement:** Eskisehir Osmangazi University should regularly assess the impact of its sustainability efforts and develop strategies for continuous improvement.

f. **Governance and Management:** Eskişehir Osmangazi University should integrate sustainability principles into its management and business processes and take sustainability criteria into account in decision-making processes.

g. **Fair and Equitable Practices:** Eskisehir Osmangazi University should review and improve its policies and practices to promote equality, fairness and diversity.

These principles can help the university define its sustainability vision and commitments and guide it to adopt a strategic approach to sustainability.

3. Main Goals, Objectives and Actions of ESOGU Green Campus Strategy Plan

The Green Campus Strategy of Eskisehir Osmangazi University has been created to determine a concrete and result-oriented policy in the field of sustainable energy and environmental management in the context of the responsibilities of administrative and academic management units. The Green Campus Strategy Plan aims to increase the sustainability level of the campuses and reduce the carbon footprint. In this context, it aims to increase energy efficiency, improve waste management, improve green infrastructure and raise environmental awareness. In order to achieve these goals, various actions such as implementing new green projects, developing policies and guidelines, establishing partnerships and collaborations, and establishing monitoring and evaluation mechanisms are carried out. For the execution, monitoring and evaluation of the Strategy Document, the Sustainable Green Campus Coordinatorship of Eskişehir Osmangazi University,

appointed by the Rectorate, has the authority to monitor and supervise all actions of the working group in these areas.

In order to achieve the strategic goals of Eskişehir Osmangazi University, short, medium and long term plans will be created and specific activities will be carried out within the framework of these plans. The results of these activities will be measured by the following key performance indicators and used in “Carbon Footprint” calculations:

- Implement energy efficiency measures and increase the use of green energy to reduce CO2 emission levels indoors.

- Promote sustainable architecture and energy efficient building designs to reduce CO2 emissions per building and per capita.

- Implementing energy efficiency programs and awareness raising activities to reduce energy consumption per person and per square meter.

- Implement water conservation measures and promote the use of sustainable water resources to reduce per capita water consumption.

- Strengthening recycling programs and awareness-raising activities to increase the amount of solid waste recovery per capita and per building indoor area.

- Developing and promoting the use of recycling systems to increase the amount of water used through recycling.

- Taking noise control measures and increasing green areas to reduce environmental noise levels on campus.

- Taking isolation and sound insulation measures to reduce indoor noise levels in buildings on campus.

- Encouraging and implementing composting programs to increase the conversion rate of kitchen and garden waste into compost.

With the realization of these activities, important steps will be taken towards reducing the environmental impact of Eskişehir Osmangazi University and achieving its sustainability goals.

- Energy Efficiency and Renewable Energy Use
- Water Efficiency and Natural Resources Conservation Management / Policies
- Waste Management and Recycling Policies
- Green Building Design and Construction Standards
- Sustainable Transportation Systems
- Sustainable Environmental Management

- Protection of Biodiversity and Natural Areas on Campus

a) Energy Efficiency and Renewable Energy Use

1. Methods and measures to be applied in energy efficiency and saving will be determined. For this purpose, energy efficiency and saving potential studies will be conducted and an inventory will be created. These studies will be repeated in necessary periods.

2. Innovative and state-of-the-art applications for energy efficiency will be encouraged.

3. Necessary studies will be carried out for the establishment of an Energy Management System, the administrative structure will be reviewed within the framework of the requirements of this system, arrangements will be made, and in this framework, energy managers will be assigned and necessary initiatives will be taken to ensure that they receive the necessary training.

4. Following the conduct of energy efficiency and saving studies, implementation methods (Efficiency Improvement Projects-VAP, Saving Projects-TSP) and their investment costs and return periods will be determined by foreseeing the efficiency improvement and saving potential.

5. Necessary resources will be allocated in the budget for the realization of the applications accepted as “VAP” and “TSP”. Projects will be evaluated as short, medium and long term projects, short and medium term projects and initiatives will be started immediately within the framework of budgetary possibilities, while preliminary preparatory work such as projects, research, etc. will be carried out for long term projects.

6. National or internationally accepted minimum efficiency criteria for energy consuming goods and services procurement and construction works will be examined and possible changes will be made in the technical specifications for new buildings for this purpose.

7. Feasibility and feasibility studies will be completed for the gradual replacement of all kinds of equipment, machinery and vehicles that have completed their economic life in terms of energy efficiency with equipment that is more compatible with the environment and has high efficiency, and necessary initiatives will be taken in line with the decisions to be made according to the results of the studies and feasibility studies.

8. Increase the utilization rate of renewable energy systems in existing campus facilities.

9. Academic “Scientific Research Projects” for the research of renewable energy resources will be emphasized and supported.

10. Detailed and data-based potential studies for the conversion of wind and solar energy into electricity on and around the campus will be completed.

11. Necessary survey and feasibility studies will be carried out for the establishment of an energy monitoring system, for this purpose, necessary arrangements will be made in medium voltage transformers, electricity meters will be made electronically traceable, and necessary studies will be initiated if it is decided to establish systems as a result of the survey and feasibility studies.

12. Encouraging the use of energy-saving light bulbs for more efficient use of light sources on campus.

b. Water Efficiency and Natural Resources Conservation Management / Policies

1. The efficiency and potential of the existing natural resources in the campus area will be determined through necessary analyzes and measurements.

2. Studies will be conducted on the water needs and resources of the campus.

3. Suitable areas for rain harvesting will be identified and sample applications will be carried out.

4. Data on water use will be collected and usage statistics will be prepared.

5. Necessary studies and feasibility studies will be carried out to reduce the amount of water consumption per capita, and necessary arrangements will be made in line with the decisions to be made as a result of the studies and feasibility studies.

6. Necessary surveys and feasibility studies will be carried out to reduce the amount of vegetable water consumption per square meter, and necessary works will be initiated in line with the decisions to be made as a result of the surveys and feasibility studies.

7. Identification and repair of leaks to reduce water loss in line with the principle of sustainability.

8. Studies will be carried out to develop institutional collaborations and initiate scientific research projects for the purpose of developing regional water resources

9. Necessary survey and feasibility studies will be carried out for the establishment of a monitoring system to monitor the pollution that may occur in regional water resources around international standards, and necessary studies will be initiated in line with the decisions to be made as a result of the survey and feasibility studies.

10. Raising on-campus and regional awareness on water conservation. For this purpose, training and seminar programs will be prepared and implemented with the active participation of student communities.

11. Activities for raising regional awareness will be organized in cooperation with relevant institutions and organizations.

c. Waste Management and Recycling Policies

1. Studies will be carried out to create a waste inventory.

2. Necessary surveys and feasibility studies will be carried out for the collection, storage and recycling systems (in cooperation with private companies or government projects) of hazardous wastes, waste oils, waste batteries and batteries, and necessary studies will be initiated in line with the decisions to be made as a result of the surveys and feasibility studies.

3. Necessary studies and feasibility studies will be carried out to ensure that kitchen and garden wastes are converted into compost in accordance with the target set in the performance indicators, and necessary studies will be initiated in line with the decisions to be made as a result of the studies and feasibility studies.

4. Necessary surveys and feasibility studies will be carried out for the collection and recycling of economically valuable paper, glass and metal wastes (in cooperation with private companies or government projects), and necessary studies will be encouraged in line with the decisions to be made as a result of the surveys and feasibility studies.
5. On-campus awareness raising and training activities will be organized.

d. Green Building Design and Construction Standards

1. Initiatives will be taken to increase the use of renewable energy systems in existing campus facilities.

2. Values related to indoor ambient noise in existing buildings will be determined and necessary survey and feasibility studies will be carried out for possible technical arrangements related to noise insulation, and necessary studies will be initiated in line with the decisions to be made as a result of the survey and feasibility studies.

3. Necessary surveys and feasibility studies will be carried out for the issuance of “Energy Identity Certificate” for the existing facility buildings based on the “Turkish Energy Performance Regulation on Buildings”, and necessary initiatives will be taken in the event that a decision is taken for certification as a result of the surveys and feasibility studies.

4. Insulation of buildings will be reviewed in order to prevent energy loss, the sustainability of energy and natural resources will be audited and audited with regular reports.

5. Evaluating the compliance of faculty buildings with green building standards and making improvements when necessary.

e. Sustainable Transportation Systems

1. A plan for the establishment of an environmentally and energy sensitive transportation system will be prepared and submitted to relevant institutions.
2. Suggested projects will be prepared to improve public transportation facilities and traffic systems and the suggestions will be shared with the public.
3. Efforts to increase the use of bicycles and electric vehicles on campus will be identified and necessary work will be done to make physical arrangements.
4. Necessary studies will be carried out to reduce the CO2 emissions above the limits in our existing institutional vehicles below the limits and to take necessary measures to monitor fuel consumption (vehicle tracking system).
5. On-campus noise maps will be prepared and necessary studies and feasibility studies will be carried out to reduce noise if necessary, and necessary studies will be initiated in line with the decisions to be made as a result of the studies and feasibility studies.

6. Principles will be determined and implemented to ensure that motor vehicles without silencers and other noise-reducing parts are not allowed to enter the campus, and that horns or other sound-making devices are not used unnecessarily on or inside motor vehicles.

f. Sustainable Environmental Management

1. Activities will be organized to ensure continuous contact with relevant institutions and organizations and to accelerate initiatives related to liquidation or transformation.
2. To bring CO_2 emissions in general and indoor spaces on campus to the target level determined in the performance indicators.
3. Initiatives will be taken to establish monitoring and maintenance programs to determine the adequacy of the ventilation system in closed areas.
4. Necessary survey and feasibility studies will be carried out to establish an air quality measurement station, integrate it into the national information system, ensure continuous measurements and establish an air quality warning system throughout the campus, and necessary studies will be initiated if it is decided to establish the systems as a result of the survey and feasibility studies.
5. In order to protect indoor air quality, possible measures will be taken in technical specifications to limit the use of building and decoration materials containing high volatile organic matter.
6. Necessary efforts will be made to ensure the use of environmentally friendly cleaning agents throughout the campus.
7. Necessary surveys and feasibility studies will be carried out for the establishment and operation of air purification systems in all laboratories where chemicals are used, and necessary studies will be initiated if it is decided to establish the systems as a result of the surveys and feasibility studies.
8. Necessary studies will be carried out to prevent insect reproduction and thus limit the use of pesticides by establishing an Integrated Insect Management system.
9. The contribution of fossil fuel consuming systems to air pollution in campus facilities will be examined, necessary survey and feasibility studies will be carried out on the measures that can be taken for improvement, and necessary studies will be initiated if it is decided to install systems as a result of the survey and feasibility studies.
10. Necessary studies will be carried out to examine and inspect the quality of fossil fuels used.
11. Active participation in national afforestation activities and continuous on-campus afforestation activities will contribute to air quality.
12. On-campus awareness-raising and training activities will be organized.

g. Protection of Biodiversity and Natural Areas on Campus

1. Creating the necessary infrastructure to protect natural areas and biodiversity on ESOGU campuses and to reduce the carbon footprint within the campus area,

2. Protecting biodiversity and increasing the number of trees in Meşelik, Ali Numan Kıraç, Çamlık, Bademlik, Organized Industry, Mahmudiye, Sivrihisar, Çifteler campuses of Eskişehir Osmangazi University and managing natural areas in a sustainable manner.

3. Eskisehir Osmangazi University's campuses are predominantly located in the city, and planning should be made to prevent damage to natural areas during the construction process.

4. Carrying out the necessary work to reduce carbon emissions by protecting the Meşelik Main Campus, which is located on the edge of Eskişehir City Forest, with the right strategies.

5. Natural areas within the campuses are subject to a systematic maintenance and management process. Maintenance activities to be carried out in the campuses will contribute to the protection of biodiversity and prevention of habitat degradation.

6. Gardeners and cleaning teams working on campuses will be encouraged to use environmentally friendly tools instead of tools that increase carbon footprint in on-campus cleaning and maintenance.

7. During the construction of new buildings and facilities, infrastructure maintenance and repair work will be encouraged, taking into account environmental impacts.

8. On-campus awareness raising and training activities will be organized and endemic plant species on our campus will be protected.

h) Sustainability in Education and Research

1. Creating courses and programs that include sustainability issues will be encouraged. For the acquisition of sustainable actions, course curricula should be created under the sub-headings mentioned above under the title of “Sustainable Living” in the course curricula of ESOGU Faculties and Institutes.
2. Encourage the implementation of green campus policies on issues such as energy efficiency, waste management and water conservation.
3. Develop new collaborations and externally funded projects at national and international levels.
4. A communication plan for on-campus and national awareness-raising activities (congresses, workshops, seminars, etc.) will be prepared and activities will be carried out within the framework of this plan.
5. Efforts will be made to contribute to awareness raising and promotion by organizing national and international competitions.
6. Prioritizing research support for BAP projects related to the Sustainable Green Campus Strategy Document will be encouraged.
7. Awareness on environment and sustainability should be raised by organizing seminars, workshops, documentary film screenings and technical trips for ESOGU staff and students on sustainable actions and combating the climate crisis.
8. Educational programs and activities should be organized for ESOGU students and staff on “Love of Nature, Ecosystems and Biodiversity Conservation, Climate Change and Sustainability, Conservation of Natural Resources, Recoverable Natural Resources, Social Responsibility and Nature Conservation Policies and Legal Frameworks”.

9. Get technical support by contacting local non-governmental organizations operating in Eskişehir

10. Eskişehir Provincial Directorate of Agriculture and Forestry, Environmental Engineers working in the Recycling Center of the Municipalities operating in Eskişehir should be invited to our University to give various seminars, conferences and various technical trips, field studies and applications should be planned to increase the environmental awareness of students.

11. Encouraging the opening of social elective, social responsibility courses, sustainability, non-technical elective courses in departments

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Setting and Infrastructe

(SI)

Number of Campus Sites

Eskisehir Osmangazi University was founded based on the Law Number 496 passed on August 18, 1993, and Faculties of Engineering and Architecture, Medicine, Science and Letters, and the University Hospital were seperated from Anadolu University and affiliated to Osmangazi University. Health Services School, Eskişehir Health Services Vocational School; Institutes of Science and Technology, Medical Sciences, Educationa Sciences and Social Sciences and the newly oppened Faculty of Economics and Administrative Sciences was restructured under the name “Osmangazi University”. The name of Osmangazi University was changed as "Eskisehir Osmangazi University" based on the Law Number 5379 passed on July 1, 2005.

Although legally established in 1993, the year 1970, when Eskişehir State Engineering Architecture Academy (EDMMA) is founded, is used as the "foundation year" with a decision of Senate. Sivrihisar Vocational High School was established in 1994, Faculty of Agriculture and Faculty of Theology were established in 1995, Faculty of Education was establihed in 1998 and Faculty of Dentistry were established and were added to our units. Mahmudiye Horse Breading Vocational School has started to education in 2007-2008 academic year, and Faculty of Art and Design was established in 2009. Faculty of Health Sciences has started to student recruitment in 2016-2017 academic year. Lastly, the faculty of Tourism was established in 2013, and the Faculty of aw was established in 2018, and they all has been added to the structure of our University which has been growing and developing rapidly.

Eskişehir Osmangazi University has a total campus area of 2.624.624 m^2, and 80.000 m^2 of this area is used as classroom-laboratory-office, 50.000 m^2 of this is used as social facility- library, and 62.000 m^2 of this is used as heath area. Eskişehir Osmangazi University continues its education, R&D and health care activities at Meşelik, Bademlik, Çamlık, Ali Numan Kıraç, Sivrihisar, Sarıcakaya, Mahmudiye, Çifteler and Organized Industrial Zone Campuses. Eskişehir Osmangazi University, a strong and long-established university with 52 years of scientific experience, continues to produce knowledge with 13 Faculties, 1 Schools, 6 Vocational Schools, 4 Institutes and 40 Application and Research Center, and progressing steadiliy towards modern science.

1. Meşelik Campus
(Büyükdere Meşelik Yerleşkesi, 26040 Odunpazarı/Eskişehir, Turkey)

2. Ali Numan Kıraç Campus
(Eskişehir Osmangazi Üniversitesi Ziraat Fakültesi, Ali Numan Kıraç Yerleşkesi, Ziraat Caddesi, Kütahya Yolu,

26160 Odunpazarı/ESKİŞEHİR, Türkiye)

3. Bademlik Campus**,**
(Eskişehir Osmangazi Üniversitesi

Bademlik Yerleşkesi 26480 Eskişehir / Türkiye, Türkiye)

4. Çamlık Campus**,**
(Eskişehir Osmangazi Üniversitesi Gündoğdu, FATİH SİTESİ/ /Gündoğdu MH./, Filizer Sk., 26100 Odunpazarı/Eskişehir, Türkiye)

5. Çifteler Campus,
(Erbab Mahellesi, İhsaniye Caddesi, No:1/3, Çifteler/ ESKİŞEHİR, Türkiye)

6. Mahmudiye Campus,
(Işıklar, 26800 Mahmudiye/Eskişehir, Türkiye)

7. Organize Campus,

(75. Yıl (Sultandere) Mahallesi, Organize Sanayi Bölgesi, Teknoloji Bulvarı, Antrepo Caddesi No:1, Türkiye)

8. Sivrihisar Campus
(**Eskişehir Cd. No:140 Sivrihisar, ESKİŞEHİR, Türkiye**)

Campus Setting

3-D Map of Meşelik Campus Area

Total Campus Area (meter^2)

Total area: 2.624.264 m^2
Total distance/circumference: 6.47 km (4.04 mi) = 6.470 m

ESKİŞEHİR OSMANGAZİ UNIVERSITY TOTAL CAMPUS AREA

					SI 1	SI 2	SI 3		SI 4		TR 5	TR 8
	CAMPUS NAME	All Campus Area (m^2)	ground floor area of buildings (m^2)	Open Space area (m^2)	The ratio of open space to total area %	Total area on campus covered in forest vegetation (m^2)	Total area on campus covered in planted vegetation (m^2)	KAMPÜS İÇİ YOLLAR (m^2)	SU EMİLİMİ İÇİN TOPLAM ALANLAR (m2)	parking area (m^2)	the ratio of parking are to total area %	Walkingway and square etc. (m^2)
	MEŞELİK YERLEŞKESİ	1.350.750	182.339	1.168.411	86,50	115.620	366.855	138.422	302.841	88.799	6,57	155.874
1	MEŞELİK ALT KISIM ARAZİLER	202.700		202.700					202.700			
	MEŞELİK ÜST KISIM ARAZİLER	74.411		74.411					74.411			
2	ALİ NUMAN KIRAÇ YERLEŞKESİ	113.904	6.987	106.917	93,87	61.646	26.212	5.995	5.822	4.285	3,76	2.958
	A.N.KIRAÇ ÇEVRESİ TARLA BAHÇE	323.495		323.495					323.495			
3	MAYISLAR (TARLA DEPO AMBAR)	368.669	1.525	367.144	99,59				367.144			
4	BADEMLİK YERLEŞKESİ	23.864	4.278	19.587	82,08	2.850	8.067	1.029	5.750	783	3,28	1.108
5	ÇAMLIK YERLEŞKESİ (Eski İlahiyat)	14.262	1.603	12.658	88,76	8.316	805	339	1.934	561	3,93	704
6	ORGANİZE MYO	19.736	2.544	17.192	87,11		5.612	978	7.417	2.399	12,15	787
7	MAHMUDİYE MYO	94.475	4.124	90.351	95,64		2.654	1.235	85.780	422	0,45	261
8	ÇİFTELER MYO	6.200	1.742	4.458	71,90		1.284		2.346	828	13,36	
9	SİVRİHİSAR MYO	31.798	1.128	30.670	96,45	7.646	1.029	691	19.454	1.064	3,35	787
	TOTAL	2.624.264	206.269	2.417.995	92,14	196.079	412.517	148.688	1.399.092	99.140	3,78	162.479

Total campus buildings area

<u>ESOGU has 162 building in all campus area.</u>

TotalL Building Area: 468.104 m^2

The ratio of open space area to total area

Example of Campus Meşelik**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Ali Numan Kıraç**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Bademlik**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Çamlık**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Çifteler**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Mahmudiye 1 **, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Mahmudiye 2**, (Eskişehir Osmangazi University, Turkey)**

Example of Campus Organize**, (Eskişehir Osmangazi University, Turkey)**

Example of Sivrihisar**, (Eskişehir Osmangazi University, Turkey)**

Ratio of open space towards total area: 92,14%

Openspace Name	All area m^2	Openspace area m^2	**the ratio of open space to total area**	Duration (in Hours per Weeks)
MEŞELİK CAMPUS	1.627.861	1.445.522	**89.41**	168
ALİ NUMAN KIRAÇ CAMPUS	113.904	106.917	**93.87**	168
A.N.KIRAÇ ÇEVRESİ TARLA BAHÇE	323.495	323.495	**100**	56
MAYISLAR (TARLA DEPO AMBAR)	368.669	367.144	**99.59**	168
BADEMLİK CAMPUS	23.864	19.587	**82.08**	168
ÇAMLIK CAMPUS	14.262	12.658	**88.76**	168
ORGANİZE CAMPUS	19.736	17.192	**87.11**	168
MAHMUDİYE CAMPUS	94.475	90.351	**95.64**	168
ÇİFTELER CAMPUS	6.200	4.458	**71.90**	168
SİVRİHİSAR CAMPUS	31.798	30.670	**96.45**	168
TOTAL	2.624.264	2.417.995	**92,14**	

Total Area on Campus Covered in Forest Vegetation (meter^2)

Total Forest Vegetation Area of Meşelik Campus

(Eskişehir Osmangazi University, Turkey)

Total Forest Vegetation Area of Ali Numan Kıraç Campus

(Eskişehir Osmangazi University, Turkey)

Total Forest Vegetation Area of Bademlik Campus

(Eskişehir Osmangazi University, Turkey)

Total Forest Vegetation Area of Sivrihisar Campus

(Eskişehir Osmangazi University, Turkey)

YERLEŞKE ADI	All area (m^2)	*The forest vegetation area in our campus* **(m^2)**
MEŞELİK CAMPUS	1.350.750	**115.620**
ALİ NUMAN KIRAÇ CAMPUS	113.904	**61.646**
BADEMLİK CAMPUS	23.864	**2.850**
ÇAMLIK CAMPUS	14.262	**8.316**
SİVRİHİSAR CAMPUS	31.798	**7.646**
Meşelik Campus Forest	100 000	**100000**
TOTAL	2.624.264	**296.079**
The ratio of covered in forest to all area		**11%**

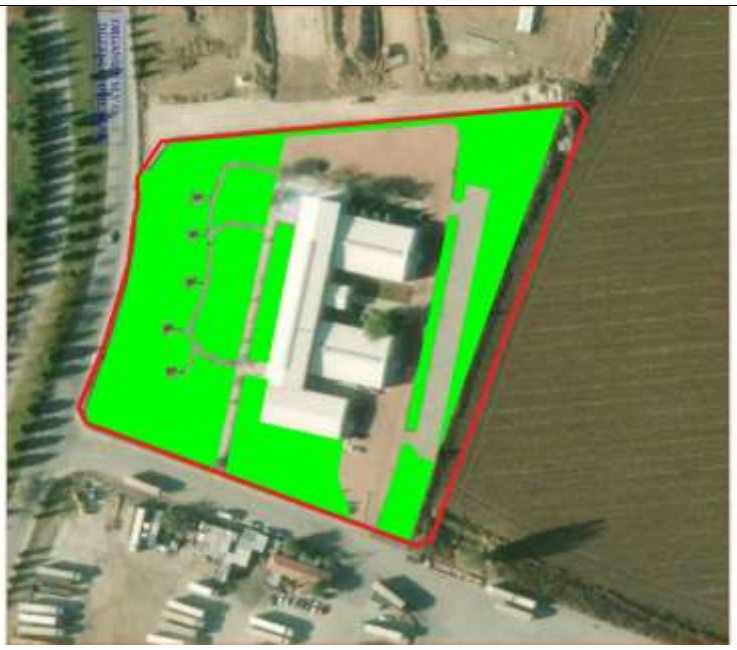
Total area on campus covered in planted vegetation (meter^2)

Total Planted Vegetation Area of Meşelik Campus (Eskişehir Osmangazi University, Turkey)

Total Planted Vegetation Area Bademlik Campus (Eskişehir Osmangazi University, Turkey)

Example of Total Planted Vegetation Area (Eskişehir Osmangazi University, Turkey)

Total Planted Vegetation Area of Çifteler Campus (Eskişehir Osmangazi University, Turkey)



Total Planted Vegetation Area Mahmudiye Campus (Eskişehir Osmangazi University, Turkey)

Total Planted Vegetation Area of Sivrihisar Campus (Eskişehir Osmangazi University, Turkey)

Campus Name	All area (m^2)	*TheTotal area on campus covered in planted vegetation* **(m^2)**
MEŞELİK CAMPUS	1.350.750	**366.854**
ALİ NUMAN KIRAÇ CAMPUS	113.904	**26.212**
BADEMLİK CAMPUS	23.864	**8067**
ÇAMLIK CAMPUS	14.262	**805**
Organize Campus	19736	**5612**
Mahmudiye Campus	94475	**2654**
Çifteler Campus	6200	**1284**
SİVRİHİSAR CAMPUS	31.798	**7.646**
TOTAL Area	1.654.989*	**412517**

The ratio : 24.92%

*Other areas are not used as grassland as they are used for wheat, fruit and vegetable planting.

Total area on campus for water absorption besides the forest and planted vegetation (meter^2)

Example of **Total area on campus for water absorption besides the forest and planted vegetation**
(Eskişehir Osmangazi University, Turkey)

Total water absorption area: 128.915m^2
Total Area: 454.678 m^2
Percentage area: 28%

University budget for sustainability effort (in US Dollars)

	2024	2025	Average
Budget Total	$ 137.413.243	$ 158 156 200	
Sustainability Budget	$ 27.482.648	$31 631 240	
		Percentage	%20

Description:

According to the data for 2024 and 2025, Eskişehir Osmangazi University's total budget increased from **$137,413,243 in 2024** to **$158,156,200 in 2025**, reflecting approximately a **15% growth** in overall financial capacity. During the same period, the **sustainability budget** rose from **$27,482,648** to **$31,631,240**, indicating a strong institutional commitment to environmental and sustainability initiatives. With around **20% of the total budget** allocated to sustainability projects, the university demonstrates a clear strategic focus on areas such as energy efficiency, green campus development, and carbon footprint reduction. This financial prioritization underscores Eskişehir Osmangazi University's dedication to achieving the **United Nations Sustainable Development Goals (SDGs)** and advancing its role as a leader in sustainable higher education.

The average percentage university budget for our university is 20%

ESKISEHIR OSMANGAZI UNIVERSITY MAINTENANCE AND REPAIR WORKS (MAINTENANCE AND REPAIR DEPARTMENT OF THE DEPARTMENT OF CONSTRUCTION WORKS)	Closed Area of Buildings Under Maintenance and Repair During the Year (m²)	Total Closed Area of the Building Used by the University (m²)	(%)
Rectorate	12.606,20		
Congress Center	3.748,95		
Library	6.597,61		
Cafeteria	7.530,60		
Theology Faculty	4.630,34		
İİBF Fak.	13.568,42		
Hospitals	48.120,00		
TİCAM	1.534,41		
Medicine Faculty	3.382,39		
Heat center	1.350,00		
International Office	136,92		
Security dept.	993,07		
Science Faculty (F5)	4.208,71		
HAMER	1.711,00		
Art Design Faculty	8.195,00		
Art Design Faculty (2)	631,00		
Sport Center	4.192,72		
Speor Center	428,36	**445.278,34**	**64,69%**
Foreign Lang.	13.474,88		
Education Faculty	28.500,00		
Eng. Dept.	43.655,97		
TİM	4.290,49		
Support units	1.552,78		
ETTOM	227,10		
Sivrihisar Campus	3.385,00		
Mahmudiye Campus	3.481,71		
Agricul. Dept	13.500,00		
Bademlik Campus	9.582,37		
Denstry Faculty	2.569,91		
Rectorate (2)	291,92		
Medicine Faculty	31.132,11		
Stadium	7.016,15		
Medico Social	1.262,83		
Hippoterapi	542,36		
TOTAL	**288.031,28**		

Campus facliities for disable, special needs and or maternity care

1. *Disabled parking* (Eskişehir Osmangazi University, Türkiye)

2. Accessible toilet (Eskişehir Osmangazi University, Türkiye)

3. Elevator usage instructions are written in Brailla alphabet. (Eskişehir Osmangazi University, Türkiye)

There is a relief path from the outside to the entrance of the library. (Eskişehir Osmangazi University, Türkiye)

Coordinators for Disabled Students

1. Disabled parking for disabled people to park their car which located at the nearest space each building
2. Accessible toilet for disabled people in each building
3. Lactation room is private room for staff who are breasfeeding can pump breast milk in private
4. There is a coordinator who coordinate and solve the problems of disable students and workers in campus area.
5. All buildings have disabled ramps

Campus facliities for disable, special needs and or maternity care

There is a relief path from the outside to the entrance of the library. (Eskişehir Osmangazi University, Türkiye)

Disabled toilet and elevator direction sign (Eskişehir Osmangazi University, Türkiye)

Disabled toilet and elevator direction sign (Eskişehir Osmangazi University, Türkiye)

Minibus for disable Students

Security and safety facilites

	
4. CCTV in entrance (Eskişehir Osmangazi University, Türkiye)	5. Example of Security Point (Eskişehir Osmangazi University, Türkiye)

PROTECTION AND SECURITY SUPERVISOR

Emergency Aid Applications

Within the scope of protection and security services, in emergencies such as crimes, accidents, fires and natural disasters, etc., the first intervention is made by going to the scene of the incident and simultaneously, support security personnel are provided to arrive at the scene via radio communication.[1]
When necessary, the 112 Emergency Call Centre, which includes the Police, Gendarmerie, Health, Fire Brigade and Afad units, is called.
In case of natural disasters, contact is provided with AFAD radio to ensure instant and uninterrupted communication with the Provincial Directorate of Disaster and Emergency of Eskişehir Governorship.[2]
Emergency Assistance Device (pager) is used in order to take necessary security measures against physical assault, sexual harassment, theft and general crime against patients / patient relatives and health workers in our ESOGU Hospital, to inform the security personnel about the situation in the fastest way and to direct them to the scene quickly.[3]
If our university stakeholders need 24/7 security services in all kinds of public order problems, they can call the 'Emergency Hotline: 2626' extension line in case of any public order problems.
0222-239 37 50 / 2626

Response Time to Accidents, Crimes, Fires and Natural Disasters

In line with the security planning, there is an effective and fast response infrastructure against accidents, crimes, fires and natural disasters that may occur throughout the University. In line with the risk planning, the response time of our security officers to crimes, fires and natural disasters is maximum 2 minutes 30 seconds with 48 security points located throughout the University.

In the images detailed below, the response times of the supervisors and chiefs in our management staff to the target access points from the security chief's headquarters building are given.

DESTINATION TRANSPORT POINT - 2

Security Directorate - Main Entrance (New Nizamiye): Distance: 500 metres, Travel Time: 50 seconds

DESTINATION TRANSPORT POINT - 2

Security Directorate - Main Entrance (New Nizamiye): Distance: 500 metres, Travel Time: 50 Seconds

DESTINATION TRANSPORT POINT - 3

Security Directorate - Hospital: Distance: 550 metres, Transport Time: 1 minute 10 seconds

DESTINATION TRANSPORT POINT - 4

Security Directorate - Stadium: Distance: 1900 metres, Transport Time: 2 minutes 10 seconds

DESTINATION TRANSPORT POINT - 5

Security Directorate - Rectorate: Distance: 500 metres, Transport Time: 1 minute

DESTINATION TRANSPORT POINT - 6

Security Directorate - Dental Faculty: Distance: 1000 metres, Transport Time: 2 minutes

DESTINATION TRANSPORT POINT - 7

Security Directorate - Emergency Service: Distance: 850 metres, Travel Time: 1 minute 50 seconds

DESTINATION TRANSPORT POINT – 8

Security Directorate - ARUM: Distance: 1500 metres, Transport Time: 2 minutes 15 seconds

CROSSING CONTROL POINTS

Safe and Environmentally Friendly Campus

In order to ensure a safe campus environment, unauthorised vehicles and pedestrians are prevented from entering the campus at Access Control Points.

This security practice also indirectly affects the reduction of carbon emission rates on campus.

Number and Distribution of Personnel

In order to ensure the security of life and property in our university and to carry out education, training and health services in order, protection and security services are provided full-time with **254 security guards and 48 security points.**

FIRE CABINETS

In our university, 451 fire cabinets are operational in all buildings and annexes

CCTV Camera Monitoring Centre

The Camera Monitoring Centre within our Directorate operates on a 24/7 basis with 7 personnel and 1182 security cameras. The image recordings taken at the Camera Monitoring Centre have a storage capacity of 60 days in ESOGU Hospital and 45 days in other units.

Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities

We have 750 olive trees in the region.

Organic pomegranate harvested from the field

Example of **Conservation: plant, animal, and wildlife, genetic resources for food and agriculture secured in either medium or long-term conservation facilities**

Faculty of Agriculture continues its education, training and research activities in Ali Numan Kıraç Campus on Kütahya road.

The purpose of the faculty; To train agricultural engineers who use science and technique in line with the needs of the society, can be confident, honest, cooperate with different disciplines, are environmentally conscious, open to innovations and have professional ethics, contribute to regional and national development by conducting researches on the issues that the country needs, national and international public To become a qualified educational and research institution by cooperating with private and non-governmental organizations.

The faculty campus is 125 decares and there are 300 decares of trial land used for research and application purposes and 3 greenhouses of 850 m^2 in total. The Sarıcakaya Mayıslar Campus includes 400 decares of research and application land, 1 greenhouse of 200 m^2, olive oil processing facility and cold storage. For scientific studies and student applications; Pomology and Tissue Culture in Horticulture Department, Biotechnology Research and Application in Agricultural Biotechnology Department, Seed, Cytology, Quality, Tissue Culture, Medicinal Plants, Soil Science and Plant Nutrition Department in Soil Science and Plant Analysis Laboratories and Experiment in Zootechnics Department Cluster and Sheep Research Unit are available. The campus has a library and informatics laboratory for students.

2. ESOGU Faculty of Agriculture Farm Directorate

	Region Name	Area m^2
	A.N.KIRAÇ Campus SURROUNDING FIELD GARDEN	323.495
	MAYISLAR REGION	368.669
	TOTAL	690.164 m^2

The ratio of conservition land to total area: 26 %

We have an administrative building and olive trees in our Mayıslar region on parcel number 985/52. The parcel information of the area in question and visuals of the collected olives are presented below. We have 750 olive trees in the region.

Mayıslar Region; We have a wheat field planted on 102 decares of land in our field located in Maylar parcel number 222.

We currently have 600 chickens in our coop

Our hives in our central campus;

We sell honey produced by our bees in our 20 hives in our central campus.

Our 100-acre pine forest in our central campus

Health infrastructure facilities for students, academics and administrative staffs' wellbeing

6. Eskişehir Osmangazi University Hospital

7. Faculty of Dentistry

8. Psychological Counselling and Guidance Unit

Total number of doctors of the faculty of medicine: 382
Total number of academicians at the faculty of dentistry : 98

Faculty of Medicine;

Our faculty has been accredited as of 01.01.2015 until 01.01.2021. In our faculty where the Integrated Education System is applied, PBL (Problem-Based Teaching) sessions are used to improve our students' ability to solve problems related to patients and diseases. Farabi (domestic) and Erasmus (international) Student and Faculty Member Exchange Programmes are implemented in our faculty. We have mutual agreements with 9 universities in Farabi Programme and 4 universities in Erasmus Programme. With these exchange programmes, our students are provided with the opportunity to study at different medical faculties. In our Multipurpose Central Microscopy Laboratory, where 1 microscope is given to each student, 200 students are given the opportunity to practice at the same time. Our laboratory is also supported by monitors with CCD camera system. The Professional Skills Laboratory, where basic medical skills are gained on models, has been operating since 1999. There are computer and internet facilities in the Electronic Library and Computer Laboratory located in the classrooms block of our faculty.

Faculty of Medicine Hospital has ISO 9001 quality certificate since 1999. With its **1000-bed modern** hospital, our Oncology Centre, to which patients from not only Eskişehir but also Afyon, Bilecik and Kütahya are sent, and the 175-bed Heart and Chest Diseases Centre, which was put into service on 14 March 2011, we provide health services to the people of the region.

Faculty of Dentistry;

Our faculty was established on March 28, 2008 with the decision of the Council of Ministers numbered 2008/13383, affiliated to the Rectorate of Eskisehir Osmangazi University.

After the first lecturers started working in 2011 and 2012, our faculty starting to provide oral and dental health services with the four-unit division in the Medico-Social Center within the body of our university started its education and training applications with 50 undergraduate students in the 2012-2013 academic year and 9 speciality students in 2013. As of the year 2019, our faculty has been providing both education and training

services and oral and dental health services with 23 lecturers, 55 speciality students and 462 undergraduate students.

The undergraduate program of our faculty lasts 5 years and the language of instruction is Turkish. Our students take preclinical professional applied courses in our preclinical and simulation laboratories as well as theoretical basic medical and dentistry courses in the first two years of their education. In their third grade, our students continuing their theoretical and preclinical applied courses are trained as monitoring students as well in order to adapt to clinical applications. In their fourth and fifth grades, our students mainly receiving clinical applied education take basic medical and dentistry professional and theoretical courses as well. Throughout their five-year professional education, our students benefit from clinics and laboratories equipped with up-to-date equipment that contemporary dentistry requires.

With our young and dynamic expert staff, we have aimed to be among the leading faculties of dentistry at the national and international levels, provide high level education and offer all kinds of health services related to oral and dental health to the residents of Eskişehir and the region by using advanced technology since the day we started serving as the Faculty of Dentistry. The diagnostic and treatment processes of our patients are conducted in computerized units established with totally digital infrastructure and our patients are provided service by following the latest developments of dentistry technology.

Psychological Counselling and Guidance Unit

Psychological counselling services are provided to our students and employees at the Medico-Social Centre. Our expert psychologist provides counselling and guidance to our students in solving the emotional, social, educational, vocational and job selection problems they face.

Our unit also carries out the following services;

Providing new students with introductory and enlightening information about the rules of the university and the immediate environment, ensuring that the student gets used to the environment and the university,

- To determine the problems of the students and to cooperate with the relevant institutions for their solution,
- To help students who want to change their current department to recognise their own interests and abilities and to make appropriate choices,
- To provide individual or group psychological counselling to students with emotional problems according to their wishes and needs. To help the individual to make important decisions, to get to know himself better, to establish more effective relationships with the people around him,
- To ensure that students are pre-interviewed by the authorities in referred cases and psychological tests are applied to them when necessary. Sending the student to the relevant service unit according to the results of the evaluation.

Psychological Counselling Services are provided to our students and staff by the expert psychologist working in our unit every weekday between 08:00 - 17:00. Interviews can be conducted online or face-to-face. 02222393750/132

Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)

In the framework of the Sustainable Development Goals (SDGs), physical environment and infrastructure play a crucial role in protecting fragile ecosystems, adapting to and mitigating climate change, managing water, energy, and waste resources, and promoting sustainable transport and campus planning. Universities, as institutions that both generate knowledge and serve as applied pilot sites, act as catalysts in accelerating environmental sustainability. For Eskişehir Osmangazi University (EOU), the aim is to promote a holistic, measurable, resilient, and equitable infrastructure transformation encompassing classrooms, laboratories, campus landscapes, and logistics systems.

Strategic Alignment with SDGs

This strategy aligns closely with several SDGs, particularly Goal 6 (Clean Water and Sanitation), Goal 7 (Affordable and Clean Energy), Goal 9 (Industry, Innovation and Infrastructure), Goal 11 (Sustainable Cities and Communities), Goal 12 (Responsible Consumption and Production), Goal 13 (Climate Action), and Goal 15 (Life on Land). The university's objective is to reduce campus carbon intensity, close water and waste loops, enhance energy efficiency, encourage sustainable mobility, and integrate education, research, and pilot implementation.

Strategic Approach – Four Core Axes

1. Energy and Climate (Mitigation and Adaptation): Implementation of energy efficiency upgrades in existing buildings (insulation, efficient HVAC systems, smart building management), renewable energy generation (rooftop PV systems, solar thermal), preparation of a campus-wide carbon inventory, and development of a net-zero roadmap. Climate risk assessment and adaptation plans are also included.
2. Water Management and Landscape: Installation of rainwater harvesting systems, greywater recycling, and use for campus irrigation. Introduction of water-saving fixtures, leakage monitoring, and smart meters. Landscape design that supports biodiversity through native plant use and pollinator corridors. Safe infrastructure for laboratory wastewater and chemical management.

3. Waste Management and Circular Economy: Source separation, composting facilities, and e-waste recovery programs. Introduction of circular purchasing policies, reduction of single-use plastics, and waste-to-resource initiatives.
4. Sustainable Mobility and Campus Design: Creation of walkable and bike-friendly pathways, installation of secure bicycle parking, promotion of e-bike sharing systems, expansion of electric campus shuttle networks, and optimization of institutional logistics.

Integration with Education, Research, and Society

EOU integrates sustainability principles into its education and research missions by introducing interdisciplinary courses, field studies, and practical laboratories focusing on energy, water, and waste management. The campus will act as a 'living laboratory' for renewable energy, water reuse, sustainable materials, and circular processes. The university fosters collaboration with local governments, industry, and NGOs to transfer knowledge into societal impact and policy-making. Student participation is encouraged through green offices, awareness campaigns, and volunteer programs.

Implementation Examples

1. Campus Solar Power Project: Installation of 2–5 MWp rooftop PV systems to supply a significant share of campus electricity demand (Medium term).
2. Building Energy Efficiency Program: Retrofitting of 10 priority buildings for insulation, LED lighting, and smart control systems.
3. Greywater Recycling Pilot Facility: Implementation in selected academic buildings with reuse in campus irrigation (Medium term).
4. Composting Facility: Processing organic waste from cafeterias for on-site compost production (**SET UP 2025**).
5. Smart Campus Monitoring Platform: Development of a real-time dashboard tracking energy, water, waste, and mobility indicators (Medium term).

Governance, Funding, and Partnerships

A 'Sustainable Campus Coordination Office' will be established under the Rectorate, supported by a multi-stakeholder advisory board composed of faculty members, administrative staff, and students. Funding will rely on national (TÜBİTAK) and international (Erasmus+, Horizon Europe, Green Transition Funds) programs, public-private partnerships, and performance-based ESCO models. Collaborations with local authorities, industries, and universities will ensure long-term success and knowledge exchange.

Monitoring and Evaluation – Key Performance Indicators (KPIs)

- Total campus carbon emissions (tons CO_2-eq) – target: 30% reduction in 5 years.
- Share of renewable energy in total consumption – 25% in 3 years, 60% in 7 years.
- Energy use per capita (kWh per student/staff) – annual decrease.
- Water use per capita (m^3) – 25% reduction in 5 years.
- Waste recycling rate – 50% recovery within 3 years.
- Share of electric/active mobility – increased bicycle and walking rate.
- Number of sustainability-related publications, theses, and projects – annual growth indicator.

Implementation Timeline

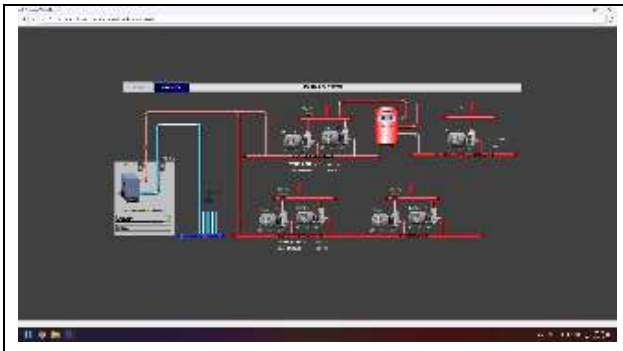
- Short Term (0–2 years): Carbon inventory, energy audits, baseline water and waste data, pilot PV and greywater projects, establishment of the coordination office.
- Medium Term (3–5 years): Scaling up renewable energy systems, full waste management infrastructure, and integration into curriculum and research.
- Long Term (6–10 years): Progress toward net-zero campus, microgrid implementation, and recognition as an international model for sustainable campuses.

2

Energy and Climate Change (EC)

Energy Efficient Appliances Usage

Energy Efficient Appliances Usage: Use of LED lighting and lamps with light detection



Energy Efficient Appliances Usage: Timed Automation System Available in Heating and Cooling Systems

Energy Efficient Appliances Usage: Frequency Convector Pumps and Proportional Burners

Eskişehir Osmangazi University aims to provide the best energy management and energy saving. All departments of the organization evaluate their own energy consumption and can use energy saving and sustainable technology such as insulation, LED lighting in each building.

Smart Building Implementation

No.	Name	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m²)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
	ESOGU HOTEL	ESOGU Meselik Campus				x	x	x		x		x				x	x	x		x	4.835,86
	ESOGU Technology and Innovation Center Building	ESOGU Meselik Campus				x	x			x		x				x	x				4.986,15
	ESOGU Central Research Laboratory	ESOGU Meselik Campus				x	x	x		x		x				x	x	x		x	3.301,42
	Total																				**13.123,43**

Please compile one row for each building (or homogeneous part of it) by ticking with a "X" for each requirement

Smart building implementation

***Total Building Area: 443.300,75 m²**

$$\frac{13.123,43 m^2}{468.104,75\ m^2} \times 100\% = 2.80\%$$

Intelligent Fire Warning System	ESOGU HOTEL
	
Card System Operated Door	Automatic Door
	
ESOGU Technology and Innovation Center Building	

ESOGU Central Research Laboratory (ARUM)

Campus	Building Name	Area Used (m^2)	Adress
Meşelik	ESOGU HOTEL	4.835,86	Büyükdere mah. Prof.Dr.Nabi Avcı Bulv. No:4/57
Meşelik	Central Research Laboratory (ARUM)	3.301,42	Büyükdere mah. Prof.Dr.Nabi Avcı Bulv. No:4/47
Meşelik	Technology and Innovation Center	4.986,15	Büyükdere mah. Prof.Dr.Nabi Avcı Bulv. Eskişehir

ESOGU SMART buildings include;

Air conditioning systems: Technological systems that regulate various functions such as heating, cooling, humidity control, ventilation and sound regulation.

Fire and escape systems: These are systems designed to detect smoke and fire in the building and automatically initiate the necessary measures.

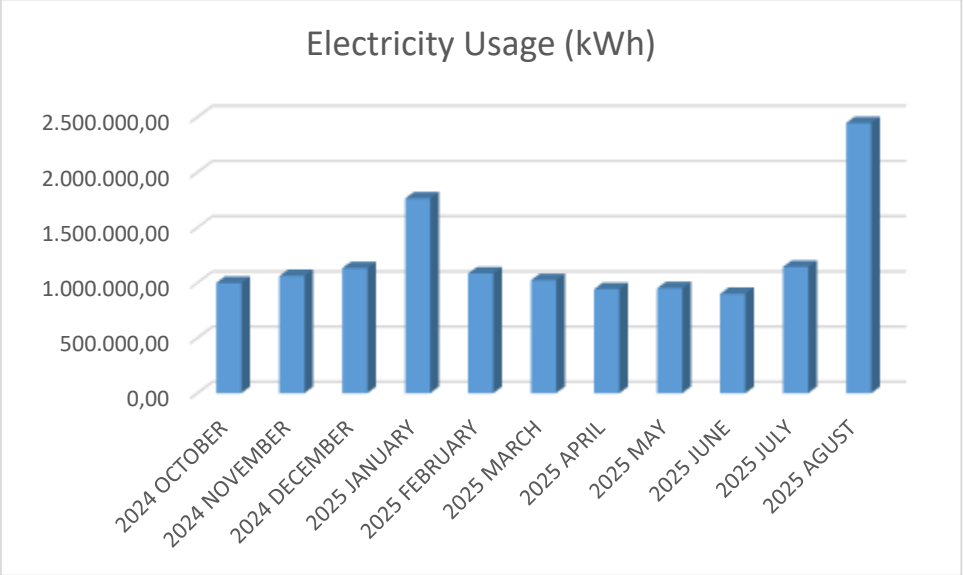
Energy control systems: Automation systems that optimise energy management by continuously monitoring and controlling energy consumption, providing reports and notifying expenditure status.

Security and protection systems: These are systems in which a series of devices function in an integrated manner, taking into account the safety of the building and its users.

Lighting and electrical systems: Automation systems that ensure the most efficient use of all electrical systems.

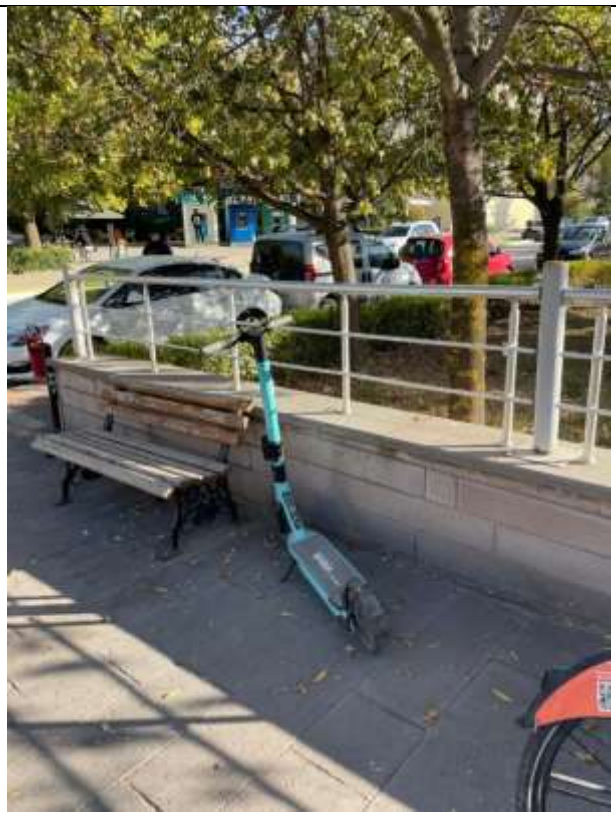
Electricity Usage per Year (in Kilowatt hour)

Building or group of buildings name	YEAR	Electricity Consumption (kWh)
Eskisehir Osmangazi University (All Campuses)	2024-2025	13 442 347,34



Greenhouse gas emission reduction program

1. Electric Bike



2. Electric Scooter

3. According to the “University Monitoring and Evaluation General Report-2024” publication prepared by the Council of Higher Education of the Republic of Turkey; Eskişehir Osmangazi University’s direct carbon footprint per capita is 3.54.

1. Solar Powered Electric Bike
2. Solar Powered Electric Scooter
3. According to the “University Monitoring and Evaluation General Report-2024” publication prepared by the Council of Higher Education of the Republic of Turkey; Eskişehir Osmangazi University’s direct carbon footprint per capita is 3.54.

Please Provide The Total Carbon Footprint (CO_2 emission in the last 12 months, in metric tons)

According to the “University Monitoring and Evaluation General Report-2024” publication prepared by the Council of Higher Education of the Republic of Turkey; Eskişehir Osmangazi University’s direct carbon footprint per capita is **3.54.**

Number of innovative program(s) in energy and climate change

Distance Education Application and Research Center

Description:

Live course management, various R&D activities and many other educational services are offered with ESUZEM, the online education program run by Eskişehir Osmangazi University.
UZEMÖYS offers various assessment and evaluation options. Some of these are quizzes, surveys, homework, discussions, etc.

In the spring semester of 2020-2021, we opened 6,715 courses for 1,116 academic staff on UZEMÖYS. The number of students registered for these courses was 24,735. As a result of the distance education activities carried out during the semester, 120,660 file sharing took place, 19,072 different exams were defined. During this period, the number of page views of the UZEMÖYS learning management system reached 80 million.

https://ogu.edu.tr/
https://uzem.ogu.edu.tr/
https://www.saglisolluhaber.com/egitim/eskisehir-osmangazi-universitesi-pandemide-ne-yapti-h3699.html

Courses for Sustainability

	Total Courses Offered	Sustainability courses	% Sustainability courses	% Total Sustainability Courses
Çifteler Vocational School	60	18	30,00	
Eskişehir Vocational School	133	30	22,56	**19,42**
Mahmudiye Horse Breeding Vocational School	50	11	22,00	
Health Services Vocational School	246	56	22,76	
Sivrihisar Vocational School	142	19	13,38	
Dentistry Faculty	89	5	5,62	
Education Faculty	490	165	33,67	
Science Faculty	452	55	12,17	
Law Faculty	78	5	6,41	
Economic and Administrative Sciences Faculty	402	121	30,10	
Theology Faculty	129	6	4,65	
Human and Social Sciences Faculty	446	15	3,36	
Engineering and Architecture Faculty	845	135	15,98	
Health Sciences Faculty	190	74	38,95	
Art and Design Faculty	142	11	7,75	
Medicine Faculty	60	5	8,33	
Tourism Faculty	138	45	32,61	
Agriculture Faculty	439	202	46,01	
Institute of Education Sciences (Masters + PhD)	186	70	37,63	
Institute of Science Sciences (Masters + PhD)	579	62	10,71	
Institute of Health Sciences (Masters + PhD)	212	25	11,79	
Institute of Social Sciences (Masters + PhD)	671	65	9,69	
TOTAL	**6179**	**1200**		

Planning, implementation, monitoring and/or evaluation of all programs related to Energy and Climate Change through the utilization of Information and Communication Technology (ICT)

Eskişehir Osmangazi University's Green Campus Strategy adopts a comprehensive approach that integrates the principles of environmental sustainability, climate-friendly practices, social responsibility and innovation. This strategy is based on national and international standards and relevant legal regulations and aims to increase efficiency in energy production, transmission and consumption in the university campus, to prevent unconscious use and waste, and to make energy costs sustainable. In addition, it includes important elements such as reducing greenhouse gas emissions within the scope of combating climate change, protecting natural resources with the land use and storm water management plan, and preventing environmental pollution with the waste management plan.

Eskisehir Osmangazi University Campuses are committed to taking actions in line with the strategic goals and objectives set by the Green Campus Strategy. In this framework, this strategy document, which constitutes the priority and important components of environmental and energy policy, aims to improve the sustainability and environmental impact of the university campuses.

In the short term, implementing energy and water saving policies, initiating and promoting recycling programmes, creating bicycle paths and public transport services to make campus transportation sustainable. In the medium term, investing in renewable energy sources, adapting campus buildings to energy efficiency standards, encouraging the purchase of environmentally friendly products. In the long term, constructing green buildings and updating existing buildings according to these standards, making education and research programmes sustainability-oriented, protecting and increasing natural areas within the campus.

ESOGU Sustainable Green Campus Sustainable Green Campus Coordinatorship was established in 2023. It has started infrastructure researches for energy efficiency, water efficiency and sustainable campus.

3

Waste (WS)

3R (Reduce, Reuse and Recycle) Program for University Waste

ESOGU has ZERO WASTE certificate from Governorship of Eskişehir

T.C. ESKİŞEHİR VALİLİĞİ ÇEVRE,ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ İL MÜDÜRLÜĞÜ

SIFIR ATIK BELGESİ

(Temel Seviye)

Belge No: TS/26/B2/6/213 Tarih: 23.05.2025

Adı: ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ REKTÖRLÜĞÜ
Adresi: Büyükdere Mahallesi PROF. DR. NABİ AVCI BULVAR, No: 4 , ODUNPAZARI, ESKİŞEHİR
Vergi No: 3800538239
Türü: Bina/Yerleşke

12/07/2019 tarihli ve 30829 sayılı Resmi Gazete'de yayımlanarak yürürlüğe giren Sıfır Atık Yönetmeliği'nce Sıfır Atık Yönetim Sistemi'ni kurarak **Sıfır Atık Belgesi**'ni almaya hak kazanmıştır.

Hikmet ÇELİK
Çevre,Şehircilik ve İklim Değişikliği İl Müdürü
E-İMZALIDIR

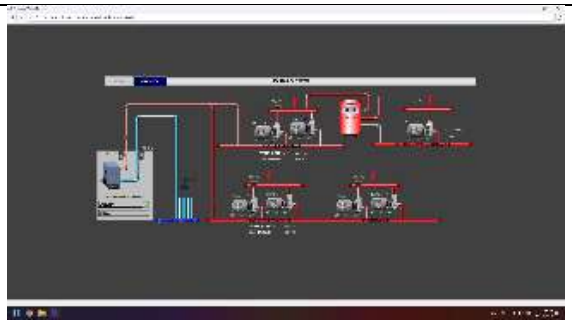
Belge Son Geçerlilik Tarihi:
23.05.2030

Example of 3R Program for University Waste (Eskişehir Osmangazi University, Türkiye)

Example of 3R Program for University Waste (Eskişehir Osmangazi University, Türkiye)

Example of 3R Program for University Waste (Eskişehir Osmangazi University, Türkiye)

Example of 3R Program for University Waste (Eskişehir Osmangazi University, Türkiye)



Heating and cooling settings are made automatically according to the outside air temperature with sensors (Tourism Faculty) (Eskişehir Osmangazi University, Türkiye)

Program to Reduce the Use of Paper and Plastic on Campus

There are paper, glass and plastic recycling bins in our university. The wastes accumulated in these boxes are then discharged to the Recycling Waste Temporary Storage Area in the garden of our University. Recycling Waste Temporary Storage Area is regularly collected by the Municipality. In this way, by contributing to recycling, we can both protect our natural resources and protect our limited natural resources by using the recyclable wastes we already have instead of producing new ones, save energy, make less space for less waste, and thus contribute to our economy. We will also leave resources that can be used by the generations that will come after us.

Quadruple recycling bin numbers :44
Binary recycle bin numbers :19
Single recycle bin numbers :347
Newly purchased binary recycle bin numbers :126
Total number of recycle bins :813

Total volume organic waste produced

Type of waste	amount (ton)					
	Produced			Treated		
	Last year	This Year	reduced	reused	down-cycled	up-cycled
organic	52	18,1	16	0	0	0

Type of organic waste	Total Produced (ton)
- household waste from hospital	3,2
- household waste from other campus	48.8
TOTAL	52,0
organic waste per capita per year	142.5 kg

All organic waste belonging to ESOGU is collected by Eskişehir Odunpazarı Municipality and taken to the waste sorting centre. All garbage is recycled to nature with municipal facilities. The wastes of our university contribute to the production of methane gas in the municipal methane gas plant.

Organic Waste Treatment

All organic waste belonging to ESOGU is collected by Eskişehir Odunpazarı Municipality and taken to the waste sorting centre. All garbage is recycled to nature with municipal facilities. The wastes of our university contribute to the production of methane gas in the municipal methane gas plant.

Eskişehir Osmangazi University has recently established a composting machine within the Faculty of Agriculture to support sustainable waste management practices on campus. Starting from September 2025, organic waste generated by academic units, laboratories, and campus green areas is collected and processed through this system. The compost machine efficiently converts food scraps, plant residues, and other biodegradable materials into high-quality compost.

This initiative reflects the university's commitment to environmentally responsible practices by reducing the volume of organic waste sent to landfills and promoting circular resource use. The compost produced is planned to be utilized in campus green spaces and agricultural research fields, contributing to soil health and reducing the need for chemical fertilizers. Through this implementation, ESOGÜ takes an important step toward aligning with global sustainability standards and strengthening its long-term ecological strategy.

Total volume inorganic waste produced

Type of inorganic waste	Total Produced (ton)
- chemical waste	3868
- medical waste	11.531

As a fundamental requirement of national environmental legislation, **Eskişehir Osmangazi University (ESOGÜ) is mandated to annually report the entirety of its organic and inorganic waste volumes** produced across all campus facilities. This data is meticulously entered into the official **Ministry of Environment, Urbanization and Climate Change's Data System (e.g., Waste Management Information System)**.

This systematic reporting ensures full regulatory compliance, allowing the **national authorities to effectively monitor and track** the various waste streams generated by large institutions. By rigorously fulfilling this obligation, ESOGÜ ensures transparency, contributes accurate data to Turkey's national environmental inventory, and demonstrates its unwavering commitment to sustainable waste management and environmental governance.

Sewage Disposal

ESOGU filters the waste oil with special interceptors and then discharges the waste to the sewerage system. Eskişehir Metropolitan Municipality carries out the final treatment and disposes of it.

Impact of Setting and Infrastructure programs in supporting the Sustainable Development Goals (SDGs)

Waste Management Goals of Eskişehir Osmangazi University

Eskişehir Osmangazi University (ESOGÜ) aims to establish a comprehensive, innovative, and sustainable waste management system that supports the United Nations Sustainable Development Goals (SDGs), particularly **SDG 12 (Responsible Consumption and Production)** and **SDG 13 (Climate Action)**. The university's primary goal is to reduce total waste generation, maximize recycling and reuse, and minimize the environmental footprint of campus operations.

Strategic Objectives

1. **Reduction at Source:** Implement systematic actions to minimize waste production at its origin by promoting digitalization, paperless administration, and eco-friendly procurement policies that discourage single-use plastics.
2. **Circular Waste Management:** Strengthen the separation of recyclable materials at the source, expand composting facilities for organic waste from cafeterias, and establish e-waste collection and recovery systems.
3. **Waste-to-Resource Transition:** Develop initiatives that convert waste materials into valuable resources through compost use in campus landscaping and potential partnerships with local recycling industries.
4. **Awareness and Engagement:** Encourage behavioral change through training programs, awareness campaigns, and active participation of students and staff in sustainability practices. The university's Green Office will coordinate volunteer programs and monitoring activities.
5. **Data-Driven Monitoring:** Establish a digital waste monitoring system to track collection, recycling, and disposal rates, integrating the data into the university's Smart Campus Monitoring Platform.

Targets (2025–2030)

- Achieve a **50% recycling rate by 2027**, and **70% by 2030**.
- Reduce the amount of mixed (non-recyclable) waste by **40% within five years**.
- Implement **campus-wide composting** by 2026 to process 100% of cafeteria organic waste.
- Eliminate single-use plastics in university dining and administrative areas by 2027.
- Integrate waste management data into **annual sustainability reports** and decision-making processes.

Through these initiatives, Eskişehir Osmangazi University envisions becoming a **model "Zero Waste Campus" in Turkey**, where waste is viewed as a resource, circular economy principles are actively implemented, and environmental responsibility is embedded into every aspect of campus life. The university's waste management strategy will not only improve operational sustainability but also inspire future generations to adopt environmentally conscious habits both within and beyond the university community.

4

Water (WR)

Our Strategy;

a) Water Efficiency and Conservation of Natural Resources Management / Policies

1. The efficiency and potential of the existing natural resources in the campus area will be determined through necessary analyses and measurements.
2. Studies on the water needs and resources of the campus will be carried out.
3. It will be ensured that suitable areas for rain harvesting will be determined and sample applications will be carried out.
4. Data on water use will be collected and usage statistics will be prepared.
5. Necessary studies and feasibility studies will be carried out to reduce the amount of water consumption per capita, and necessary arrangements will be made in line with the decisions to be made as a result of the studies and feasibility studies.
6. Necessary surveys and feasibility studies will be carried out to reduce the amount of vegetable water consumption per square metre, and necessary works will be initiated in line with the decisions to be made as a result of the surveys and feasibility studies.
7. Identification and repair of leaks in order to reduce water loss in line with the principle of sustainability.
8. Studies will be carried out to develop institutional co-operation and initiate scientific research projects for the purpose of developing regional water resources.
9. Necessary survey and feasibility studies will be carried out for the establishment of a monitoring system to monitor the pollution that may occur in regional water resources around international standards, and necessary studies will be initiated in line with the decisions to be made as a result of the survey and feasibility studies.
10. Providing on-campus and regional awareness raising for water saving. For this purpose, training and seminar programmes will be prepared and implemented with the active participation of student communities.
11. Activities for raising regional awareness will be organised in cooperation with relevant institutions and organisations.

Water Conservation Program Implementation

Automatic irrigation and drip systems

Groundwater well pumps and storage

In our university, groundwater is stored in 1 unit of 1000 m³ and 2 units of 500 m³ tanks with the help of well pumps and then water is supplied to university units and irrigation areas from these tanks. By monitoring the well pumps and tank levels with the automation system between the tanks and wells in question, situations such as water overflowing etc. are detected immediately and resolved urgently. In addition, there are water tanks and fire tanks under some buildings. All systems are regularly maintained and monitored. Water-saving batteries and siphons are used inside the buildings. In addition, automatic irrigation and drip systems are largely used in irrigation systems.

Water Efficient Appliances Usage (e.g. hand washing taps, toilet flush, etc.)

Water Efficient Appliances Usage Sensor Batteries and Automatic Irrigation And Drip Systems

Use of energy-saving devices and water purification systems

Automatic irrigation systems are used in 70% of the campus. Automatic irrigation systems and drip irrigation systems are preferred in energy-saving devices, and sensor taps are frequently used to prevent wasting of utility water in the building. In addition, sensor urinals are preferred in toilets. A double-button flush system suitable for little or much use is used in the cistern of Western-style toilets.

Appliance	**Total Number**	**Total number water Efficient appliances**	**Percentage**
Toilet	3000<	1500 <	50%
Wastafel	3000<	1000 <	33 %
	6000 <	**Average Percentage**	**42%**

Consumption of treated water

Water Treatment and Softening Systems

Some of the water used in the university is used as purified water. Although this rate is low, it is planned to be increased in the coming years. Softening and purification systems are largely located under the buildings, and their periodic maintenance is carried out and measured regularly. In addition, some units have home-type purification systems. The ratio of purified water taken from the water purification system in the buildings of our university to all water sources (e.g. rainwater tank, groundwater, surface water, etc.) is approximately 10%.

Water pollution control in campus area

Center Research Laboratory Application and Research Center,

ESOGU-ARUM ELEMENTEL ANALIZ BIRIMI

10/24/2025 1:49:57 PM

Instrument Name	Serial Number	Filename
ICAP RQ	Undefined	ARUM SU Analizi 24.10.2025 Mix D.meop

Analysis Index: 15 Analysis started at: 10/24/2025 1:12:39 PM Dilution Factor 1
Analysis label: SEBEKE User name: ADMINTH-0PFGPA7\Administrator Final Quantity

Category	11B	24Mg	27Al	45Sc	51V	55Mn	57Fe	59Co	60Ni	63Cu
Concentration average	220.462 ppb	86.895.860 ppb	1.856 ppb	4.548 ppb	17.248 ppb	0.286 ppb	465.047 ppb	0.172 ppb	1.529 ppb	1.746 ppb
Concentration per Run 1	218.763 ppb	79.482.882 ppb	3.635 ppb	4.393 ppb	16.850 ppb	0.256 ppb	396.663 ppb	0.165 ppb	1.336 ppb	1.803 ppb
Concentration per Run 2	220.296 ppb	90.345.353 ppb	0.438 ppb	4.528 ppb	17.109 ppb	0.286 ppb	433.099 ppb	0.164 ppb	1.533 ppb	1.722 ppb
Concentration per Run 3	222.308 ppb	97.888.406 ppb	1.495 ppb	4.723 ppb	17.783 ppb	0.316 ppb	577.389 ppb	0.187 ppb	1.729 ppb	1.717 ppb
Concentration RSD	0.8 %	11.2 %	87.8 %	3.7 %	2.8 %	10.4 %	20.4 %	7.9 %	12.9 %	2.7 %

Category	66Zn	75As	85Rb	88Sr	107Ag	111Cd	133Cs	137Ba	208Pb	209Bi
Concentration average	112.897 ppb	9.337 ppb	5.460 ppb	660.136 ppb	0.027 ppb	-0.138 ppb	0.461 ppb	139.595 ppb	0.030 ppb	0.125 ppb
Concentration per Run 1	102.856 ppb	9.013 ppb	4.641 ppb	583.906 ppb	0.032 ppb	-0.135 ppb	0.412 ppb	127.383 ppb	0.036 ppb	0.162 ppb
Concentration per Run 2	111.501 ppb	9.307 ppb	5.267 ppb	655.481 ppb	0.029 ppb	-0.143 ppb	0.483 ppb	139.118 ppb	0.033 ppb	0.119 ppb
Concentration per Run 3	124.333 ppb	9.692 ppb	6.443 ppb	744.011 ppb	0.021 ppb	-0.133 ppb	0.549 ppb	152.273 ppb	0.021 ppb	0.094 ppb
Concentration RSD	9.6 %	3.6 %	16.8 %	13.4 %	20.5 %	3.7 %	14.1 %	9.9 %	26.6 %	27.6 %

Analyses results of water in ESOGU (Agust 2025)

<u>Center Research Laboratory Application and Research Center regularly carries out water analyses.</u>

Impact_of_Water_Management_programs_in_supporting_the_Sustainable_Development_Goals_(SDGs)

• Total campus carbon emissions (tons CO_2-eq) – target: 30% reduction in 5 years.
• Share of renewable energy in total consumption – 25% in 3 years, 60% in 7 years.
• Energy use per capita (kWh per student/staff) – annual decrease.
• Water use per capita (m^3) – 25% reduction in 5 years.
• Waste recycling rate – 50% recovery within 3 years.
• Share of electric/active mobility – increased bicycle and walking rate.
• Number of sustainability-related publications, theses, and projects – annual growth indicator.

Implementation Timeline

• Short Term (0–2 years): Carbon inventory, energy audits, baseline water and waste data, pilot PV and greywater projects, establishment of the coordination office.
• Medium Term (3–5 years): Scaling up renewable energy systems, full waste management infrastructure, and integration into curriculum and research.
• Long Term (6–10 years): Progress toward net-zero campus, microgrid implementation, and recognition as an international model for sustainable campuses.

5

Transportation

The total number of vehicles (cars and motorcycles) divided by total campus' population

No.	Vehicle	Total Number
1	Car managed by the university	53
2	Cars entering the university	4461
3	Motorcycles entering the university	104
	Total	4565/day

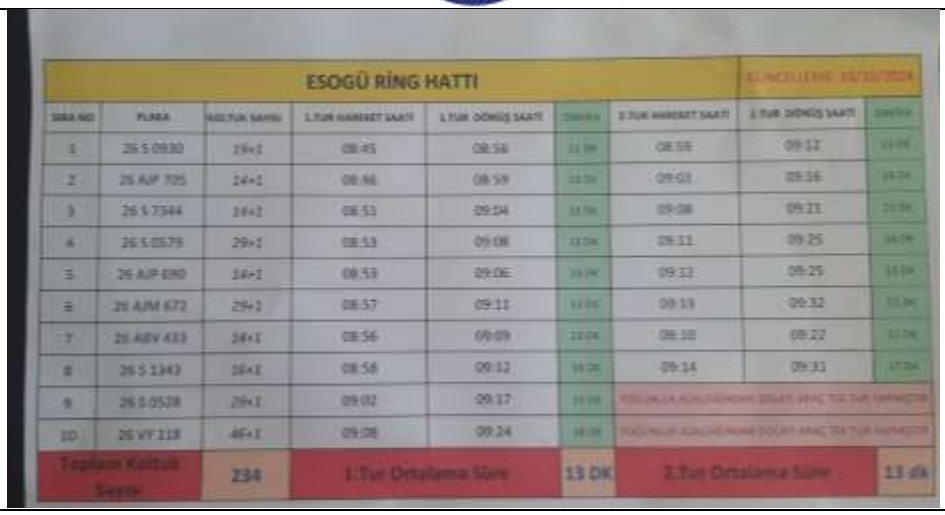
4565/27752 = 0.16

Inner-Campus Transportation

A ring service is provided to our students and staff to provide easy access to their faculties within the Meşelik Campus of the University. The ring service of which boarding point is the entrance door of Faculty of Medicine offers easy access to the entire campus.

Shuttle Services

Example of Shuttle Services (Eskişehir Osmangazi University, Turkey)



ESOGÜ RİNG HATTI

SIRA NO	PLAKA	KOLTUK SAYISI	1.TUR HAREKET SAATİ	1.TUR DÖNÜŞ SAATİ	DAKİKA	2.TUR HAREKET SAATİ	2.TUR DÖNÜŞ SAATİ	DAKİKA
1	26 S 0930	29+1	08:45	08:56	11 DK	08:59	09:12	13 DK
2	26 AJP 705	24+1	08:46	08:59	13 DK	09:03	09:16	13 DK
3	26 S 7544	14+2	08:51	09:04	13 DK	09:08	09:21	13 DK
4	26 S 0579	29+1	08:53	09:08	15 DK	09:11	09:25	14 DK
5	26 AJP 690	24+1	08:53	09:06	13 DK	09:12	09:25	13 DK
6	26 AJM 672	29+1	08:57	09:11	14 DK	09:19	09:32	13 DK
7	26 ABV 433	24+1	08:56	09:09	13 DK	09:10	09:22	12 DK
8	26 S 1343	16+1	08:58	09:12	14 DK	09:14	09:31	17 DK
9	26 S 0528	29+1	09:02	09:17	15 DK	YOĞUNLUK KONUTLARINDAN SEFER AMAÇ TEK TUR YAPMAKTIR		
10	26 VY 218	46+1	09:08	09:24	16 DK	YOĞUNLUK KONUTLARINA DOĞRU AMAÇ TEK TUR YAPMAKTIR		
Toplam Koltuk Sayısı		234	1.Tur Ortalama Süre		13 DK	2.Tur Ortalama Süre		13 dk

Example of Ring Shuttle Services – Ring service time table

(Eskişehir Osmangazi University, Turkey)

Eskişehir Osmangazi University's Meşelik campus offers shuttle services for reaching distant areas. The schedules for these services are also provided.

Zero Emission Vehicles (ZEV) Policy on Campus

Eskişehir Osmangazi University's facilities are suitable for both pedestrian and bicycle use. There are many car-free paths for these users. Different bicycle parking areas have been designed at all facilities. The university provides free bicycles to students.

Ratio of Parking Area to Total Campus Area

Example of Ratio of Meşelik Parking Area to Total Meşelik Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Ankıraç Parking Area to Total Ankıraç Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Bademlik Parking Area to Total Bademlik Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Çamlık Parking Area to Total Çamlık Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Çifteler Parking Area to Total Çifteler Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Mahmudiye Parking Area to Total Mahmudiye Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Organize Parking Area to Total Organize Campus Area (Eskişehir Osmangazi University, Turkey)

Example of Ratio of Sivrihisar Parking Area to Total Sivrihisar Campus Area (Eskişehir Osmangazi University, Turkey)

Eskişehir Osmangazi University continues its educational activities in five campus consist of Meşelik, Bademlik, Ali Numan Kıraç, Eskişehir Organized Industrial Zone Campus, in the center of Eskisehir and in the districts named Sivrihisar, Mahmudiye and Çifteler.

Parking areas have been restricted on Eskişehir Osmangazi University's campuses to reduce the use of private vehicles. This is an initiative aimed at decreasing the number of private vehicles and, in turn, reducing carbon dioxide emissions.

Total main campus area: 2.624.264 m^2

Total parking area = 99.140 m^2.

Ratio = 3,78

	Campus	All area (m^2)	Parking area (m^2)	**%**
1	MEŞELİK CAMPUS	1.350.750	88.799	**6,57**
2	ALİ NUMAN KIRAÇ CAMPUS	113.904	4.285	**3,76**
4	BADEMLİK CAMPUS	23.864	783	**3,28**
5	ÇAMLIK CAMPUS	14.262	561	**3,93**
6	ORGANİZE CAMPUS	19.736	2.399	**12,15**
7	MAHMUDİYE CAMPUS	94.475	422	**0,45**
8	ÇİFTELER CAMPUS	6.200	828	**13,36**
9	SİVRİHİSAR CAMPUS	31.798	1.064	**3,35**
	TOTAL	2.624.264	**99.140**	**3,78**

Program to limit or decrease the parking area on campus.

Free Bicycle for rent (Eskişehir Osmangazi University, Turkey)

Campus Bus (Eskişehir Osmangazi University, Turkey)

Security Point control the cars to entry.

Eskişehir Osmangazi University's campus shuttle services are designed to reduce the use of private vehicles by students. Utilizing these services provides access to distant points within the campus. Bicycles and scooters are also common on campus. There are bicycle paths that allow the use of such vehicles. The parking capacity for private vehicles in the parking lots is limited. Our goal is to reduce CO_2 emissions within the campus.

1. The bicycle roads have been increased by ESOGU
2. The bicycle parking areas have been icreased by ESOGU
3. Only staff and students are allowed to in campus area with cars. Guest must use parking area outside of campus.
4. Students can be rent e-bike, e-scotter in campus.
5. Walking roads have been incresed by ESOGU.

Number of Transportation Initiatives to Decrease Private Vehicles on Campus

Campus Bus (Eskişehir Osmangazi University, Turkey)

Security point (Eskişehir Osmangazi University, Turkey)

1. There are shuttle services available for students within the campus. In addition, free bicycles have been provided for students. Along with bicycles, the use of scooters is also common on campus.
2. All staffs and student must be use special card (Access Control and Security System) in campus area. Without cards, they must use parking area outside of campus.

Examples of Access Control and Security System cards

Number of Transportation Initiatives to Decrease Private Vehicles on Campus

Campus Bus (Eskişehir Osmangazi University, Turkey)

Free Bicycle for rent (Eskişehir Osmangazi University, Turkey)

1. Shuttle/bus campus inside campus
2. Free to rent bicycle on campus

Pedestrian Path Policy on Campus

Example of pedestrian path (Eskişehir Osmangazi University, Turkey)

Example of pedestrian path (Eskişehir Osmangazi University, Turkey)


Example of pedestrian path having physical disabilities (Eskişehir Osmangazi University, Turkey)

The campus features sidewalks and trees that separate pedestrian and vehicle pathways. There is also a separate path for scooters and bicycles. The sidewalks include warning strips and ramps for individuals with disabilities.

	CAMPUS	All Area (m^2)	**Pedestrian path (m^2)**
1	MEŞELİK CAMPUS	1.350.750	**155.874**
2	ALİ NUMAN KIRAÇ CAMPUS	113.904	**2.958**
4	BADEMLİK CAMPUS	23.864	**1.108**
5	ÇAMLIK CAMPUS	14.262	**704**
6	ORGANİZE CAMPUS	19.736	**787**
7	MAHMUDİYE CAMPUS	94.475	**261**
9	SİVRİHİSAR CAMPUS	31.798	**787**
	TOPLAM	2.624.264	**162.479**

6

Education and Research (ED)

University budget for sustainability effort (in US Dollars)

Research fund in 2024-2025 = 5 873 594 US Dollars

Eskişehir Osmangazi University (ESOGÜ) has strategically aligned its entire project portfolio with the overarching goal of **Sustainable Development**. Given this institutional commitment, the university mandates that all funded research activities, regardless of their source or specific discipline, inherently contribute to the principles and achievement of the Sustainable Development Goals (SDGs).

Therefore, the **Total Research Funds Dedicated to Sustainability Research** is the sum of all budget categories presented, amounting to **$5,873,594.17$ USD**.

This total budget is composed of:

- **ESOGU Budget ($4,244,604.03$ USD):** These internal funds are specifically allocated to research projects (BAP) that address sustainability challenges, including environmental protection, social equity, and economic viability.
- **External Projects Budget (Non-EU) ($1,062,083.05$ USD):** These externally sourced projects are selected for their clear contribution to national and global sustainability objectives.
- **External EU Projects ($566,907.09$ USD):** These projects, often tied to Horizon Europe or Erasmus+ programs, are inherently focused on promoting cross-border collaboration for sustainable solutions.

In summary, every dollar and Euro within the university's research budget, totaling $5,873,594.17 USD, is dedicated to research, planning, and implementation activities that support the pillars of sustainability.

- The average percentage university budget for our university is 30.


ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ
1970

Total Number of Courses/Subjects Offered

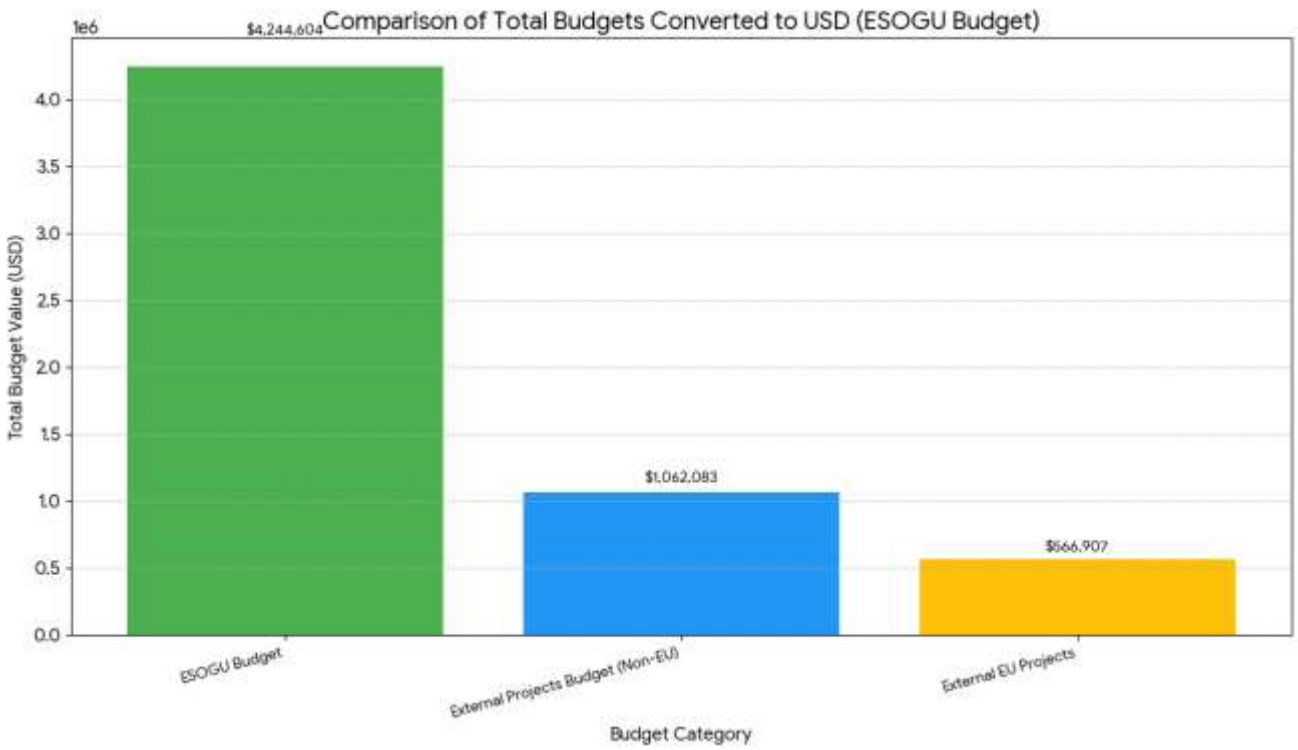
	Açılan Toplam Ders	Sürdürülebirlik dersleri	% Sürürülebilirlik dersleri
Çifteler Meslek Yüksekokulu	60	18	30,00
Eskişehir Meslek Yüksekokulu	133	30	22,56
Mahmudiye Atçılık Meslek Yüksekokulu	50	11	22,00
Sağlık Hizmetleri Meslek Yüksekokulu	246	56	22,76
Sivrihisar Meslek Yüksekokulu	142	19	13,38
Diş Hekimliği Fakültesi	89	5	5,62
Eğitim Fakültesi	490	165	33,67
Fen Fakültesi	452	55	12,17
Hukuk Fakültesi	78	5	6,41
İktisadi ve İdari Bilimler Fakültesi	402	121	30,10
İlahiyat Fakültesi	129	6	4,65
İnsan ve Toplum Bilimleri Fakültesi	446	15	3,36
Mühendislik Mimarlık Fakültesi	845	135	15,98
Sağlık Bilimleri Fakültesi	190	74	38,95
Sanat ve Tasarım Fakültesi	142	11	7,75
Tıp Fakültesi	60	5	8,33
Turizm Fakültesi	138	45	32,61
Ziraat Fakültesi	439	202	46,01
Eğitim Bilimleri Enstitüsü (Yüksek Lisans + Doktora)	186	70	37,63
Fen Bilimleri Enstitüsü (Yüksek Lisans + Doktora)	579	62	10,71
Sağlık Bilimleri Enstitüsü (Yüksek Lisans + Doktora)	212	25	11,79

Sosyal Bilimler Enstitüsü (Yüksek Lisans + Doktora)	671	65	9,69
	TOTAL:	6180	1200

ESOGU designed all course contents as ECTS in 2024. Each department and faculty proposed new courses on sustainability. These courses will be used for education in the following years.

The same courses are available at Eskişehir Osmangazi University before the year 2024
Total number of courses offered in 2024 = 1200 courses
% Total Sustainability Lessons= **%19,42**

Total Research Funds (in US Dollars)



ESOGU BUDGET: 4 244 604

External Projects Budget : 1 062 083 USD

External EU projects: 566 907 USD

Total research fund in 2024-2025 = 5 873 594 US Dollars

Example of Research Fund (Eskişehir Osmangazi University, Turkey)

This bar chart illustrates the distribution of Eskişehir Osmangazi University's (ESOGÜ) main project funding sources, with all amounts converted to US Dollars (USD) for a standardized comparison. The data includes internal resources, denoted as the 'ESOGU Budget' (formerly BAP), and two categories of external funding.

1. **Dominance of Internal Funding:** The largest funding pool is the **ESOGU Budget**, totaling approximately **4.24 million USD**. This figure represents the significant internal commitment of the university to supporting scientific research projects (BAP).
2. **External Funding Contribution:** External funding sources collectively contribute approximately **1.63 million USD** to the university's project portfolio.
    - **External Projects Budget (Non-EU):** This category, encompassing national or other international support, stands at around **1.06 million USD**.
    - **External EU Projects:** This category, mainly denominated in Euros, represents the smallest portion at approximately **567 thousand USD**.

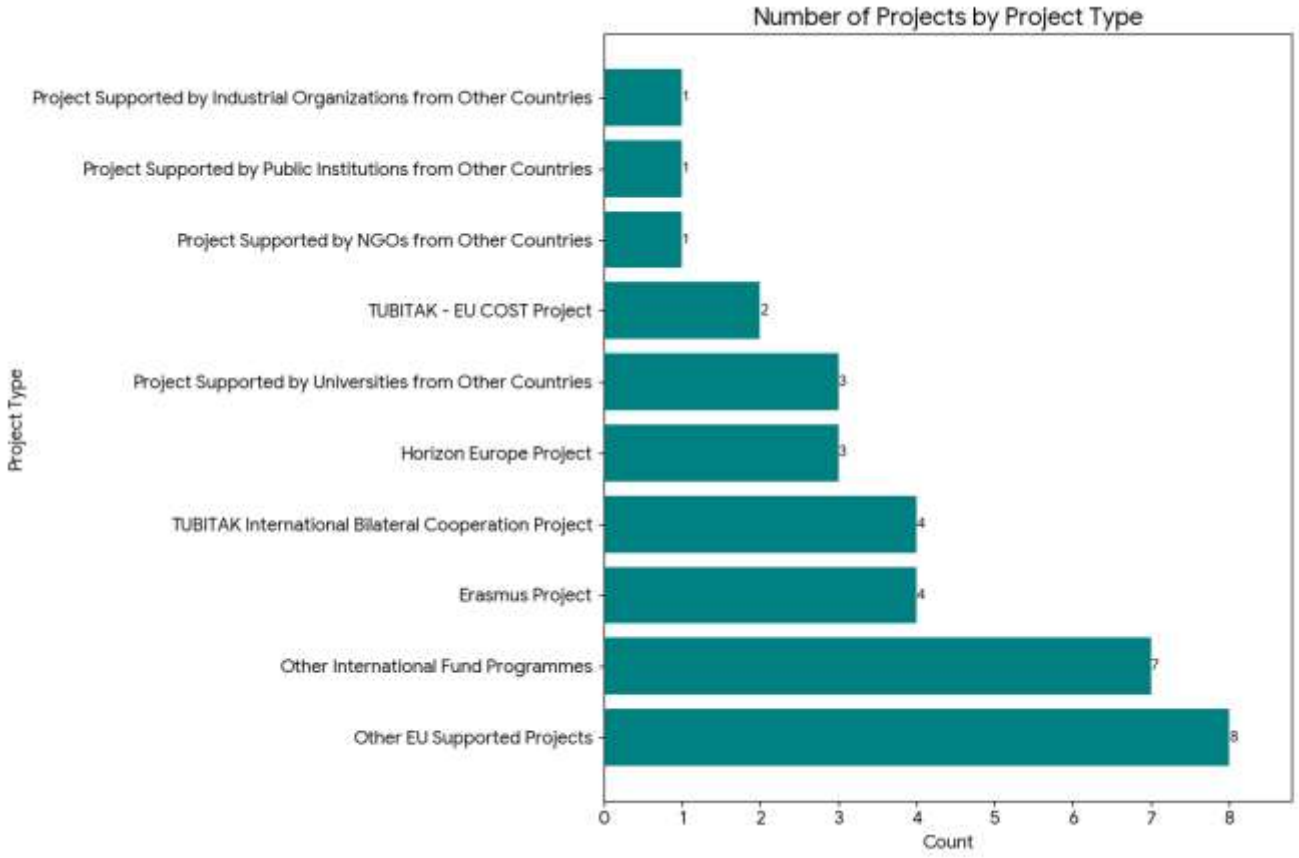
The visualization clearly demonstrates that while external funding is a vital component of ESOGÜ's research capacity, the university's research efforts are primarily sustained by its own **ESOGU Budget**. This highlights a strong internal mechanism for supporting scientific and academic projects, supplemented by national and international collaborations.

Events Related to Sustainability

Our university organized or hosted events related to the environment and sustainability in the 2023-2024 academic year.

Total number of sustainability/environment related events in:
2024- 2025 : total 374 events; **293** sustainability/environment related events

Number of activities organized by student organizations related to sustainability per year



The analysis of external projects at Eskişehir Osmangazi University reveals a strong emphasis on international collaboration and funding. The university's project portfolio is dominated by European initiatives, with "Other EU Supported Projects" leading the count at eight (8). This is closely followed by "Other International Fund Programmes" (7) and "Erasmus Projects" (4), demonstrating a significant engagement with diverse international funding mechanisms. Furthermore, the presence of "TUBITAK International Bilateral Cooperation Projects" (4) and "Horizon Europe Projects" (3) underscores the university's commitment to large-scale, competitive research and development within both national and European frameworks. The remaining projects, including those supported by universities, NGOs, and industrial organizations from other countries, indicate a broad and active network of global partnerships.

Number of sustainability-related startups

No.	Information
1	**Startup name:** BORTEK BOR TEKNOLOJİLERİ VE MEKATRONİK SANAYİ TİCARET ANONİM ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** EC **URL: https://www.borteknolojileri.com/** **Description:** BORTEK Boron Technologies and Mekatronik San.Tic.A.Ş. is an R&D organisation established in 2006 in Eskişehir Technology Development Zone. BORTEK® has defined its core competence as the production of sub-micron sized, high purity, medical quality (99.97%) hexagonal boron nitride with superior properties and its application to end products. Focusing on the important problems faced by humanity, BORTEK continuously researches and develops new products and applications with hBN.
2	**Startup name:** MMD MAKİNE VE MALZEME TEKNOLOJİLERİ ARGE DANIŞMANLIK MÜHENDİSLİK HİZMETLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, EC **URL:** https://startupcentrum.com/tr/girisim/mmd-makine-ve-malzeme-teknolojileri-ar-ge-dan-muh-hiz-san-tic-ltd-sti **Description:** MMD Machinery and Material Technologies R&D Consultancy Engineering Services San. Tic. Ltd. Şti. It is a company established in Eskişehir Osmangazi University Technology Development Zone in December 2013 in order to realise R&D projects supported by TUBITAK and KOSGEB, providing Consultancy and Engineering Services for R&D in Materials and Machinery Technologies, especially the design, manufacturing and applications of cryogenic systems for metallurgical purposes.
3	**Startup name:** KORLOG ARAŞTIRMA GELİŞTİRME BİLGİSAYAR MAKİNA İNŞAAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** EC, ED **URL: https://www.korlog.com/** **Description:** ORLOG R&D was established in 2013 and operates in ETGB Technopark located in Eskişehir Osmangazi University. It carries out R&D projects on artificial intelligence and big data supported by TÜBİTAK and KOSGEB. KORLOG R&D provides customised solutions that include easy-to-maintain, versatile, sustainable technologies that provide various possibilities to customers in the IT industry. We provide consultancy on cloud technology, big data systems and web programming with our staff with many years of experience in the sector. Within the scope of Industry 4.0, high performance technologies are offered with artificial intelligence based studies such as data analysis, machine learning, computer vision. In addition, it produces domestic

	software by operating in the fields of RFID systems and embedded design. In addition to its project studies, Korlog R&D also carries out innovative product and service development studies for the industry.
4	**Startup name:** MİCROBİOTA BİYOTEKNOLOJİ SANAYİ VE TİCARET ANONİM ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** ED, EC **URL: https://www.microbiota.com.tr/** **Description:** Microbiota Biotechnology is a company established in Eskişehir Technology Development Zone in 2015 and operating in the field of Industrial Biotechnology. It has set out with the motto 'To present nature's toolbox to the use of humanity'. With the solutions it produces based on microorganisms, it carries out R&D and P&D studies to create added value based on knowledge in the fields of health, agriculture and environmental biotechnology and offers solutions. As Microbiota Biotechnology; we care about increasing efficiency in industrial processes, developing sustainable, environmentally friendly production technologies, and providing services with approaches that reduce Carbon and Water footprints.
5	**Startup name:** NEVİSOFT BİLİŞİM TEKNOLOJİLERİ SANAYİ VE TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, ED **URL: https://nevisoft.com.tr/index.html** **Description:** Nevisoft was established in Eskişehir Osmangazi University Technopark in 2016 and since then, it is a software company serving in the fields of national software and national technology. Today, it has adapted to the geometric increase in technology, integrated with it, and has proven itself with its R&D studies and achievements in the field of artificial intelligence. As a result of these achievements, it has adopted the mission of becoming a global company by opening up to the international market with original products in its field by serving many private companies and public institutions. With its strong academic staff and technical staff, it continues its success in this field and is one step closer to its goals every day.
6	**Startup name:** KODRİKA YAZILIM ARGE BİLİŞİM REKLAM EĞİTİM DANIŞMANLIK HİZMETLERİ LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, ED, TR **URL: https://kodrika.com.tr/hakkimizda** **Description:** Kodrika is an R&D organisation established in 2017 in Eskişehir Osmangazi University Technopark with the aim of providing services in the field of web software, web design, mobile software, consultancy, graphic design, corporate identity, social media management. Our main goal is to provide the best service in the field of software and consultancy to our customers all over Turkey.

	Kodrika is an organisation that provides services in different fields with the projects we have developed. It also carries out TUBITAK supported projects.
7	**Startup name:** ALBİLA SERUM BİYOLOJİK ÜRÜNLER SANAYİ VE TİCARET ANONİM ŞİRKETİ ESKİŞEHİR ŞUBESİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, EC, ED **URL:** http://www.albila.com/ **Description:** ALBILA A.Ş. was established on 31 January 2017 with an 'Angel Investment' project. The shareholder structure consists of a total of 40 people from Turkey's leading businesswomen and businessmen. ALBİLA, established on 7 decares of land in Eskişehir Organised Industry, is the first pharmaceutical production facility in Eskişehir, which plans to produce horse-derived antivenom against animal stings without harming the ecosystem. ALBILA, which stands out as an 'Angel Investment' project within the private sector, carries out R&D studies with Eskişehir Osmangazi University within the scope of University-Industry co-operation and provides academic support from international universities. The 1600 square metre facility consisting of R&D, P&D and clean room has a young and dynamic team of chemists, molecular biologists and pharmacists. ALBILA Headquarters is in Istanbul, Eskişehir Organised Industrial Zone has a GMP standard production facility, Osmangazi University has a scorpion venom production unit and Mahmudiye has a horse care and immunisation unit.
8	**Startup name:** TRONİK HAVACILIK SAVUNMA MÜHENDİSLİK TEKNOLOJİ GELİŞTİRME DANIŞMANLIK YAZILIM SANAYİ VE TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, TR **URL: https://www.tronik.com.tr/** **Description:** Tronik Aviation continues its activities at Anadolu University Technology Development Centre (TEKMER) in order to develop and produce original products in its field. As Tronik Aviation, our aim is to develop, improve and offer original, distinctive, high quality and user-friendly products. Tronik Aviation, which was established by expert engineers with this aim, carries out design, software development, production and integration activities related to flight simulation technologies for manned and unmanned aerial vehicles (UAV- Drone) types. Tronik Aviation produces the most innovative and sustainable products by engaging in labour-intensive activities at every stage from design to production for manned and unmanned aerial vehicles in the aviation sector.
9	**Startup name:** AVKAR YAZILIM SANAYİ VE TİCARET LİMİTED ŞİRKETİ. **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** ED, TR **URL: https://www.avkaryazilim.com.tr/tr.html**

	Description:
10	**Startup name:** ASYSTEE EĞİTİM YAZILIM VE DANIŞMANLIK LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, ED **URL: https://www.asystee.com/** **Description:** Founded with the support of TUBITAK 1512, Asystee is a research and development company that applies innovative technologies in the field of open and distance learning. The main activities of our company include the design, development and integration of sustainable e-learning environments on the cloud or on-site; improvement of existing e-learning infrastructures of institutions and instructional design consultancy.
11	**Startup name:** CRANIOCATCH BİLİŞİM TEKNOLOJİLERİ MEDİKAL DENTAL SANAYİ VE TİCARET ANONİM ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, EC, ED **URL: https://www.craniocatch.com/tr/**
12	**Startup name:** AEROGLOBE HAVACILIK VE SAVUNMA SANAYİ TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, TR **URL: https://aeroglobe.aero/tr/**
13	**Startup name:** 3B EKO TARIM TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, WR, EC **URL: http://3bekotarim.com/**
14	**Startup name:** ORTHOSENSE MEDİKAL ARGE SANAYİ VE TİCARET LİMİTED ŞİRKETİ **Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** SI, ED **URL: https://www.atap.com.tr/Portal/FirmaDetay/85/orthosense-** **Description:**
15	**Startup name DUALSOFT YAZILIM VE EĞİTİM HİZMETLERİ LİMİTED ŞİRKETİ Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED):** ED **URL: https://www.eso.org.tr/firma-detay?firma=dualsoft-yazilim-ve-egitim-hizmetleri-limited-sirketi** **Description:** Programme and education

Availability of unit(s) or office(s) that coordinate sustainability on campus

Sustainable Green Campus Coordinatorship

Eskişehir Osmangazi University's Green Campus Strategy adopts a comprehensive approach that integrates the principles of environmental sustainability, climate-friendly practices, social responsibility and innovation. This strategy is based on national and international standards and relevant legal regulations and aims to increase efficiency in energy production, transmission and consumption in the university campus, to prevent unconscious use and waste, and to make energy costs sustainable. In addition, it includes important elements such as reducing greenhouse gas emissions within the scope of combating climate change, protecting natural resources

with the land use and storm water management plan, and preventing environmental pollution with the waste management plan.

Eskisehir Osmangazi University Campuses are committed to taking actions in line with the strategic goals and objectives set by the Green Campus Strategy. In this framework, this strategy document, which constitutes the priority and important components of environmental and energy policy, aims to improve the sustainability and environmental impact of the university campuses.

In the short term, implementing energy and water saving policies, initiating and promoting recycling programmes, creating bicycle paths and public transport services to make campus transportation sustainable. In the medium term, investing in renewable energy sources, adapting campus buildings to energy efficiency standards, encouraging the purchase of environmentally friendly products. In the long term, constructing green buildings and updating existing buildings according to these standards, making education and research programmes sustainability-oriented, protecting and increasing natural areas within the campus.

ESOGU Sustainability Principles

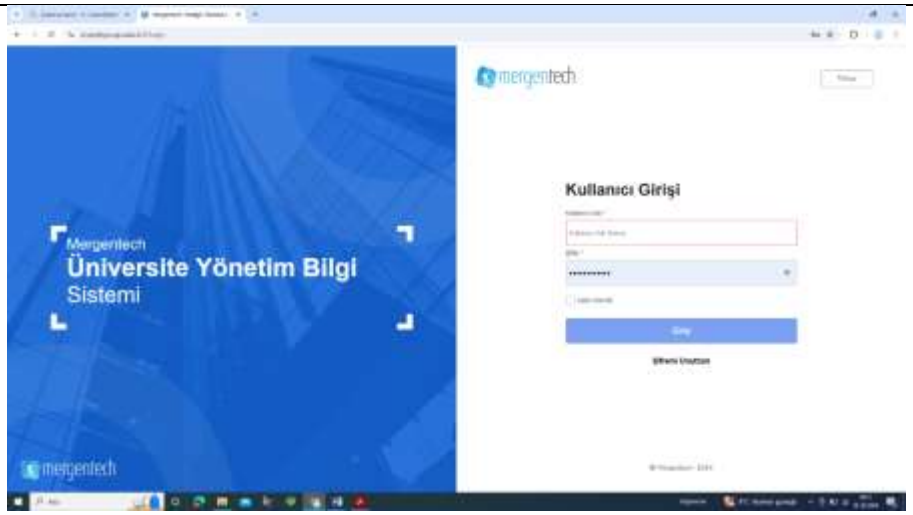
The sustainability principles of Eskişehir Osmangazi University aim to carry out all necessary activities in accordance with the policy of the following basic principles for an environmentally, economically and socially sustainable future.

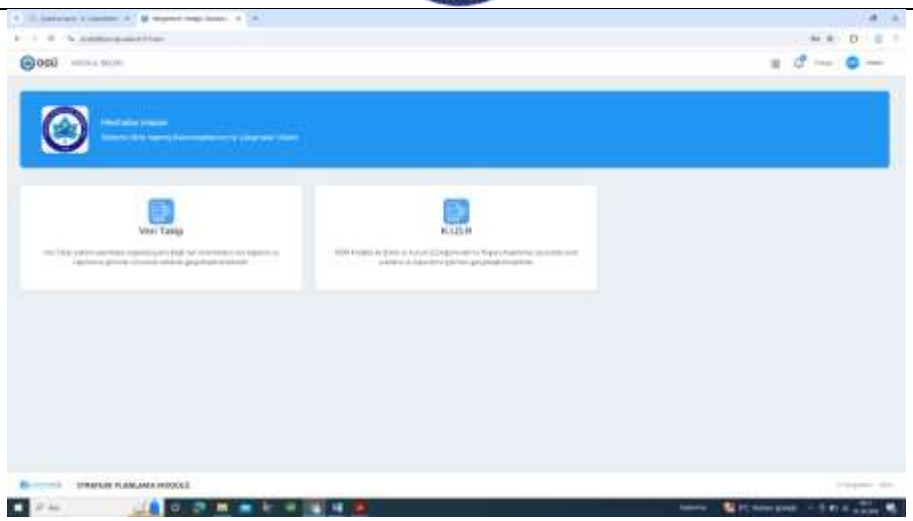
https://yesilkampus.ogu.edu.tr/

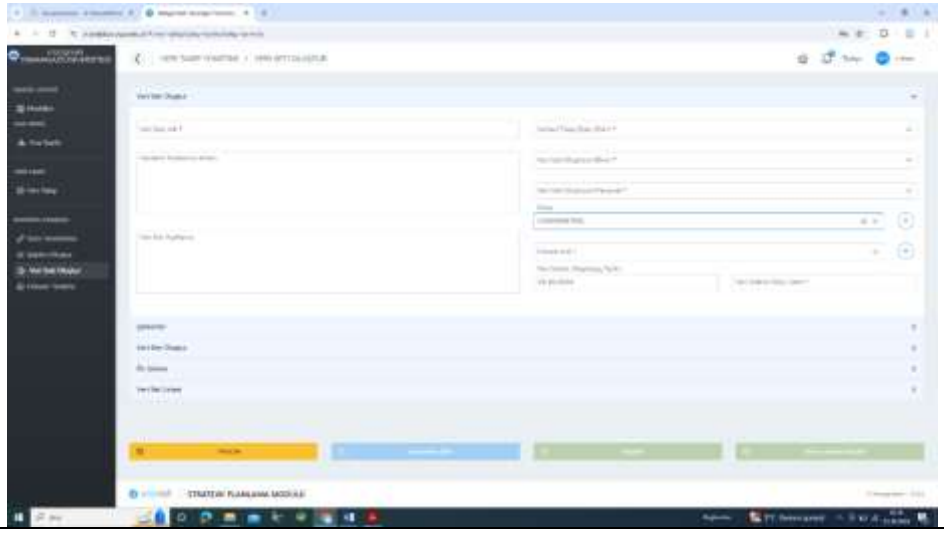
Planning, implementation, monitoring and/or evaluation of university governance through the utilization of Information and Communication Technology (ICT)

ESOGU OBS SYSTEM

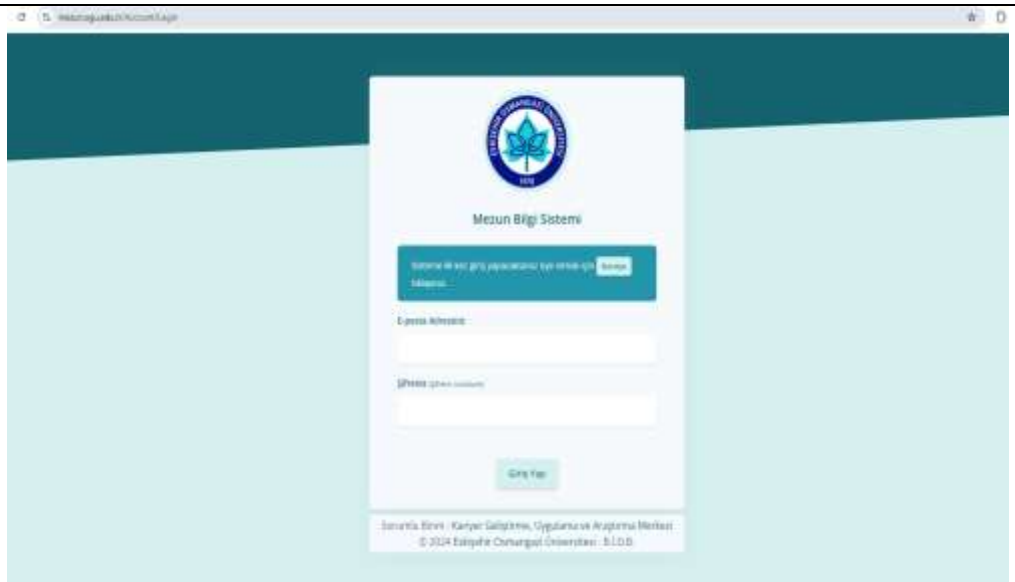
ESOGU UZEM







ESOGU INFORMATION SYSTEMS



ESOGU has graduate students information systems

Research Information System

Impact of Eduaction and Research programs in supporting the Sustainable Development Goals (SDGs)

This image shows the *Institutional Accreditation Certificate* awarded to **Eskişehir Osmangazi University** by the **Higher Education Quality Council of Türkiye (YÖKAK)**. The certificate confirms that the university has successfully met the institutional accreditation standards under the 2024 Institutional Accreditation Program

and has been granted accreditation for a period of **two years**

Karar Tarihi: 21/03/2025
İlk Geçerlilik Tarihi: 21/03/2025
Son Geçerlilik Tarihi: 21/03/2027

Yükseköğretim Kalite Kurulu

KURUMSAL AKREDİTASYON BELGESİ

ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ

Yükseköğretim Kalite Kurulu (YÖKAK) tarafından yürütülen 2024 Yılı Kurumsal Akreditasyon Programı kapsamında 2 (iki) yıl süreyle akreditasyon almaya hak kazanmıştır.

Prof. Dr. Ümit KOCABIÇAK
Yükseköğretim Kalite Kurulu Başkanı

Belge: Y312351BFF07989769097660A56395065 - KAF4B9EC30AD9F68FB9B29639786CB62EF

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ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ
1970


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