

Template for Evidence(s) UI GreenMetric Questionnaire

University : Bursa Uludag University
 Country : Turkey
 Web Address : <http://www.uludag.edu.tr/english/default>
 Web Address for Sustainability Office: <https://uludag.edu.tr/sustainability>

[6] Education & Research

[16] Number of sustainability-related startups

ATTENTION PLEASE: Please note that the startups listed below belong to the 2020-2021 educational year, which started in September 2020 and lasted till September 2021.

No.	Information
1	<p>Startup name: Opening of the Ecological Gardens at the Campus Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI URL: https://uludag.edu.tr/sustainability/haber/view?id=10942&title=opening-ceremony-of-bursa-uludag-university-ecological-gardens-project Description: The ecological gardens Project of Bursa Uludag University was undertaken by the Agricultural Faculty. The opening ceremony was made on June 23, 2021. The project aims to bring the university staff together with the soil, plants, and nature. Bursa Uludag University separated some of its arable fields for students and staff to grow plants and vegetables in these gardens. There are 112 ecological gardens of 60 square meters in the area opened. One of the gardens is planted by the students. More than 200 people attended the opening ceremony. Photos:</p> <div style="display: flex; flex-wrap: wrap; justify-content: space-around;">        </div> <p>Some of the photos belong to the opening ceremony and the last three photos show how the gardens look like.</p>
2	<p>Startup name: Start of Annual Environmental Walk on the World Environmental Day and Opening of a Hiking Trail</p>

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED

URL: <https://uludag.edu.tr/sustainability/haber/view?id=10817&title=campus-staff-walked-for-the-environment>

Description: This year, we started a campus-wide environmental walk, including campus staff and students on World Environment Day. Furthermore, a Hiking Trail in one of the forests of the campus was established and opened on the same day. The aim was awareness-raising on the environment. Rector Prof. Dr. Ahmet Saim Kilavuz led the walk and was accompanied by the BUU Sustainable Campus Project team, vice-rectors, university administrators, academicians, staff, and students. The music band and horses of the university led the way. Rector Prof. Dr. Ahmet Saim Kilavuz underlined the fact that planet Earth is under pressure, and we as human beings have to think about our adverse impact on the environment and do our best to make a positive contribution. He added that BUU Sustainable Campus Project activities would speed up the environmental efforts by Bursa Uludag University. More than 500 people attended the walk.

Photos:



3 **Startup name:** Planting trees at faculty gardens
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI
URL: <https://www.uludag.edu.tr/veteriner/haber/view?id=8835>
Description: Tree planting events have been organized several times in the history of Bursa Uludag University. This year this event has been converted into a faculty-level tree planting campaign. The staff of several faculties planted trees in their gardens. This will be an annual event starting this year. The below photos belong to Faculties of Veterinary and Agriculture staffs.



Photo



4 **Startup name:** Harvest time at the campus: First-time use of drones for pesticide application
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI
URL: <https://uludag.edu.tr/ziraat/haber/view?id=11271&title=ziraat-fakultesinde-hasat-zamani>
Description: Agriculture Faculty of Bursa Uludag University cultivates wheat in 800 decaire areas and organizes harvest time each year. This year the startup of this event was the first time use of drones for pesticide application to the wheat fields. The yield was 350 tons of wheat this year. Using drones in this application was important to save time, water, and pesticide, which were less than the last year's manual application.

The photos belong to harvest time at the campus.

Photos:



5 **Startup name:** Organization of No Elevators Day
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED
URL: <https://uludag.edu.tr/sustainability/haber/view?id=10765&title=bursa-uludag-university-celebrated-no-elevators-day-of-isca-on-may-28-2021>
Description:
As part of Sustainable Campus Project studies of Bursa Uludağ University, rectorate, staff, students, department representatives, managers, deans, and academicians joined the No Elevators Day, which was celebrated on May 28, 2021. This initiative of the International Sport and Culture Association (ISCA) as part of the NOWWEMOVE campaign is well regarded by university members and received much attention. According to the questionnaire filled by the attendants, 188 people from the university showed interest in the event. Rector invited the university members to start not using elevators and move instead starting from this day. Students, staff, and academicians showed high interest; some underlined the importance of being active for a healthy life while the others focused on using less electrical energy and more body energy by not using elevators. BUU Sustainable Campus Project aims to raise awareness for sustainable development and considers the campaigns by ISWA as effective and joyful tools towards this aim.

You can reach the Youtube link of the activity from the link below:

<https://www.youtube.com/watch?v=SeNqvdHgNAU>

https://uludag.edu.tr/dosyalar/surdurulebilirlik/NED/sunum_ned.pptx



6

Startup name: Start of Sustainable Campus Project of Bursa Uludag University

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED

URL: <https://uludag.edu.tr/sustainability/haber/view?id=10467>

Description: Bursa Uludag University launched the Sustainable Campus Project this year to improve the campus operations into a better environmental- friendly stage and serve the sustainable development goals. New studies will be added to the existing environmental improvement and sustainability works, and a culture of sustainability will be constituted in the framework of the project. Some of the topics that the project aims to cover are as follows:

- Sustainability education and research
- Sustainable green space management
- Sustainable energy management and climate change
- Circular economy and waste management
- Sustainable water management
- Sustainable transportation
- Sustainable construction management

The Office of Sustainability was established to coordinate the project studies. The expertise, ideas, and recommendations of academic and administrative staff and students of the university will be consulted. Photos:

The photo below shows the staff of the BUU Sustainable Campus Project.



Above is the logo of the BUU Sustainable Campus Project.

Story of the Logo of BUU Sustainable Campus Project

Sustainable Campus Project is originated from the vision of Bursa Uludağ University (BUU). The BUU Sustainable Campus logo is inspired by the logo of Bursa Uludağ University and carries its components. The hexagonal shapes within the BUU logo appear as pentagons in BUU Sustainable Campus logo. Pentagons not only represent the components of our university but the 17 sustainable development goals as well. These pentagons that are held within the BUU sustainable campus lettering are so to close a circle. This circularity reflects the main aim of the sustainable campus project.

The green color of one of the pentagons mainly draws attention. This green color references the unique nature of our university and underlines the fact that environmental development forms the basis of all development models. The arrows over the green pentagon remind the natural assets of our university and evoke circularity. The middle arrow that shows a move ahead is an extension of the continuous improvement understanding of our university.

Circularity is about returning the givings of the planet after circularly using them without wasting. The common saying in our language, “giving the one comes from soil to the soil,” summarizes this circularity. Circularity verbalizes an understanding that natural resources are decently and adequately used, not wasted, in an ecosystem model. In that understanding, waste is regarded as raw material, and a heavy burden is not imposed on planet Earth that it can not carry, and all the living things and components of life are connected as if with a chain.

The main aim of the sustainable campus project is to take the necessary steps towards being a university that can sustain itself, achieve the environmental, social, and economic development goals at the same time, and lead society while moving towards this aim.

7	<p>Startup name: Establishment of the Smoking Cessation Policlinic and the start of the project, namely a campus without tobacco</p> <p>Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED</p>
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URL: <https://www.uludag.edu.tr/haber/view/10091/bursa-uludag-universitesi-tutunsuz-kampus-olacaktir>

Description: "A Campus Without Tobacco" Project of Bursa Uludag University started this year. A policlinic to stop smoking has been established and improved this year. The Faculty of Medicine run the project. More than 10000 students have been reached with questionnaires to investigate their smoking habits.

Photos:



Photo: Entrance of the smoking cessation policlinic

- 8 **Startup name:** Marine Pollution Action Plan
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): WR
URL: <https://uludag.edu.tr/cevre/haber/view?id=10804&title=cevre-muhendisligi-ogrencileri-mudanya-guzelyali-sahilinde-kiyi-temizligi-yapti>
Description: The Project, namely Preparation of Marine Pollution Action Plan, will last three years. It started this year. The activities were organized by Bursa Uludag University (BUU) and Bursa Metropolitan Municipality. Academicians of the Environmental Engineering Department of BUU and student members of the Environmental Society and Underwater Society of BUU were involved in the project. The above pictures belong to the waste cleaning activity at one of the seashores of Bursa city. The public attended the activity. Solid wastes were cleaned from the beach and from the underwater by the diver students of the university. The activity largely appeared in the local press. The project will include several activities according to the action plan, which will be prepared with the contribution of authorities.
Photos:



Photos show the activities conducted in the scope of the project.

9 **Startup name:** Start of Sustainability Website
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED
URL: <https://uludag.edu.tr/sustainability>
Description: The website for the Sustainable Campus Project of Bursa Uludag University was established this year. The sustainability data and sustainability news, and events are shared with this website.
Photos:

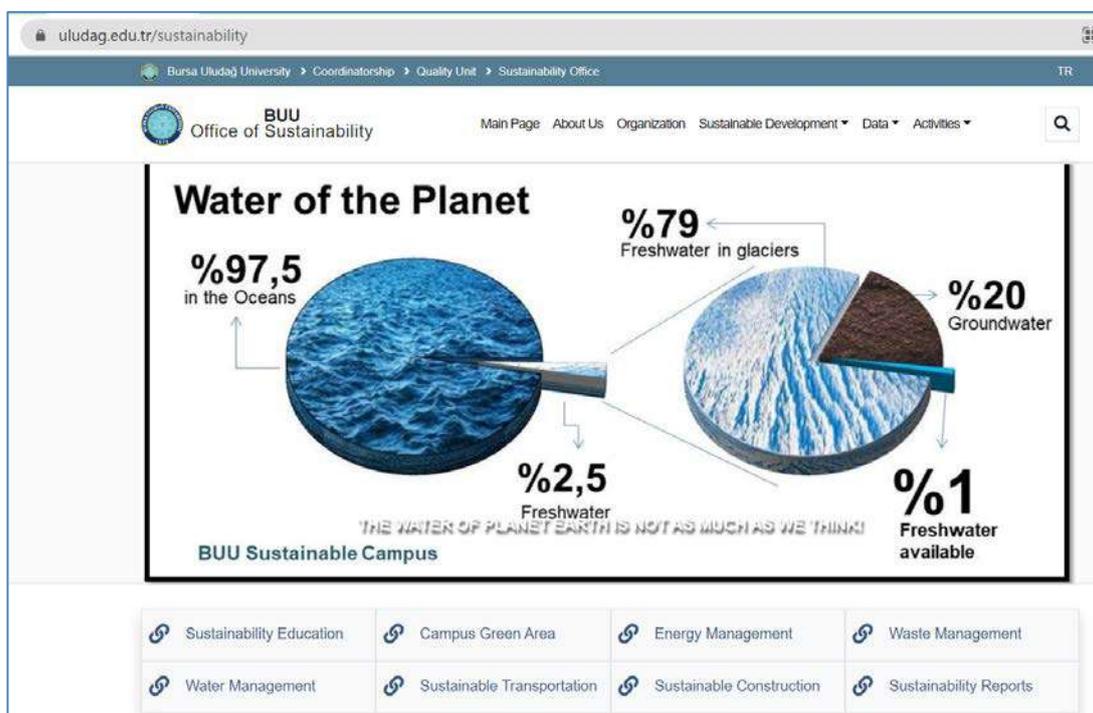


Photo shows one of the informative pages from the sustainability web page of Bursa Uludag University.

10 **Startup name:** A Competition by The Medical Training and Simulation Center of Bursa Uludag University
Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED
URL: <http://usim.uludag.edu.tr/en/>

Description:

The Medical Training and Simulation Center of Bursa Uludağ University is a research and application center equipped with advanced technology, basic and advanced simulation, and learning resources. The center organized a competition, namely Uludağ Medical Simulation Wars, this year. In the scope of the competition, the center hosted Medical Faculty students from different universities in Turkey. Students from 21 universities attended the competition.

Photos:



← → ↻ 🔒 Güvenli değil | simwars.uludag.edu.tr



11

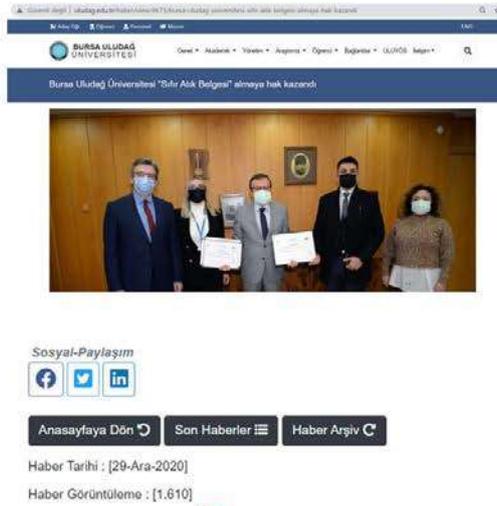
Startup name: Startup of sustainability information share from the general web page of Bursa Uludağ University

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ...

URL: <http://www.uludag.edu.tr/haber/view/10555/surdurulebilir-kalkinma-amaci-12-sorumlu-tuketim-ve-uretim>

Description: Bursa Uludağ University's web page is the first welcoming page of most of the university staff and students. It receives a high number of visits every day. Therefore the sustainability office started to distribute sustainability information from the general web page of the university and recorded the view numbers. This initiative started to increase the awareness of the university community on sustainability-related news, information, and events. The sustainability office started to put sustainability knowledge on the general web page almost every week.

The photos show some of the sustainability news shared and view numbers.



This sustainability news was about zero waste initiative of the university. This news was viewed 1610 times.
Date: 29 December 2020



This sustainability news was viewed 1461 times.
Date: 24 June 2021



This sustainability information was viewed 1006 times.
Date: 27 July 2021



This sustainability information was viewed 1544 times.
Date: 3 May 2021

12

Startup name: Receipt of Zero-Waste Certificate
Startup area in UI GreenMetric questionnaire (SI, EC, WS, WR, TR, ED): WS
URL: <http://www.uludag.edu.tr/haber/view/9673/bursa-uludag-universitesi-sifir-atik-belgesi-almaya-hak-kazandi>
Description:
 Bursa Uludag University fulfilled the criteria of the National Zero Waste project and received the Zero Waste certificate this year. A special Waste Division was established to manage the recycling program within the campus. The Zero Waste Project run by the university is developing day by day with many recycling programs within the campus.

The Zero Waste Project in Turkey initiated by the Ministry of Environment and Urbanization in 2017 has evolved into a nationwide campaign over the past four years. Zero waste regulation was published and started to be applied by the public institutions in Turkey. The criteria to be awarded the Zero Waste certificate was set by the ministry. Bursa Uludag University fulfilled these criteria, which are as follows:

- To get a certificate, the institution should have a recycling program.
- The institution should record the waste generated and the portion recycled.
- The recyclable waste should be recycled by the institution or the institution should have an agreement with the municipality to arrange a licensed recycling company to receive the recyclable waste collected by the university.
- The recycling amounts should be systemically entered into the nationwide waste monitoring system governed by the ministry.

Photos:



13

Startup name: Addition of New Food Products to the Local Food Types Produced by the university: Probiotic Yoghurt by Faculty of Veterinary Medicine

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <https://www.uludag.edu.tr/duyuru/view/14842/veteriner-fakultesi-gida-satis-unitelerinde-yumurta-satisi-baslamistir>

Description: Several local foods such as milk, yogurt, cheese are being produced by the Faculty of Veterinary Medicine and sold to the campus community and the visiting public. This year the faculty added the production and sale of probiotic yogurt to the list.

Photos: The photos below show the small market where these local food products are being sold.



14

Startup name: Addition of New Food Products to the Local Food Types Produced by the university: Organic Eggs by Faculty of Agriculture

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <https://www.uludag.edu.tr/haber/view/9902/universitenin-organik-urunleri-buyuk-ilgi-goruyor>

Description: The faculty of Agriculture of BUU produces milk and meat products to be sold. The university has large farms for stock farming and free-range egg farming, etc., not only for research but also for local food production. This year the sale of organic eggs was added to the list of local food production. The animals at the farms are nourished with only healthy and quality feedstuff, and there is enough open space for grazing.

Photos: Photos show these farms and organic eggs added to the local food produced.



15

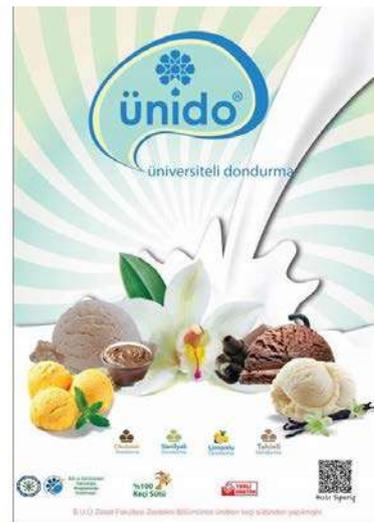
Startup name: Production and sale of the local ice cream developed by students and professors: UNIDO

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <https://uludag.edu.tr/ziraat/haber/view?id=8778>

Description: Bursa Uludağ University Technical Sciences Vocational School developed a local ice cream with the milk they obtained from the farms of BUU Faculty of Agriculture. This year, this local ice cream was put on the market with a brand named UNIDO.

Photos:



16

Startup name: Establishment of the vineyards for research and development

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <http://www.uludag.edu.tr/ziraat/default/konu/2411>

Description: Vineyards were established at the arable fields of the main campus this year. The primary aim was conducting research studies for primarily MSc and Ph.D. studies. Twelve different types of grapes are cultivated in those vineyards. The grapes harvested will also be put on the campus market.

Photos:

Below photos are views from the vineyards and the grapes harvested this year.



17

Startup name: Clothing the trees

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED

URL: <http://www.bursaport.com/haber//universiteliler-agaclara-kazak-orup-giydirdi-104918.html>

Description: The students and their professors produced several hand-made ornamented clothes to put on the trees at the campus. Their aim was to focus on the need to protect the trees and nature, the life-support systems of life. This activity will be repeated annually.

Photos:



18

Startup name: New Research and Capacity Increase in Beekeeping Development Application and Research Center

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <https://uludag.edu.tr/agamen/haber/view?id=7830&title=new-classroom-buildingfor-bdarc>

Description:

Different types of honey bees are studied at Beekeeping Development Application and Research Center-AGAM of Bursa Uludag University that has been established in 2010. The studies of the center include behavior, pathology, bee breeding, and artificial insemination, toxicology, and organic beekeeping. This year the physical capacity of this center was increased, and a new research area was added to the scope of the studies: the recent colony losses.

Photos:

The photos below show the center and the students at the center.



19

Startup name: Startup of the project, namely, "Recognize the Nature, Protect Your Health."

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): ED

URL: <https://www.bgazete.com.tr/haber/6860040/uu-spor-bilimleri-fakultesinden-dev-proje>

Description:

Sport Sciences Faculty of Bursa Uludağ University started the "Recognize the Nature, Protect Your Health" this year. The project aims to bring children to an awareness of nature and health with sports. The children will be encouraged to do sports in nature, thereby have a higher level of understanding about the importance of nature.

Photos below show the attending children to the project and some of their activities, with the introduction poster of the project.



DOĞAYI TANI SAĞLIĞINI KORU

ETKİNLİKLERE KATILIM ÜCRETSİZDİR.

KEŞFEDİYORUZ!
SPOR YAPIYORUZ!
ÖĞRENİYORUZ!

BAKANLIK
@gencliksporbak
@gencliksporbak
@gencliksporbak
@gencliksporbak

GENEL MÜDÜRLÜK
@gsbeak
@gsb_eak
@gsbeak
@gsbeak

PROJE
@dogayitanisagliginikoru
@dtsk2021

20

Startup name: Opening of a new unit, namely Parenteral Antibiotics Treatment Unit and rehabilitation of the physical medicine and rehabilitation clinic

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): SI

URL: <https://uludag.edu.tr/haber/view/11319/buu-hastanesinde-cifte-acilis>

Description: Bursa Uludag University Hospital is serving not only the community of the city but of the region as well. Therefore, the opening of the new unit and rehabilitation of the physical medicine and rehabilitation clinic is of importance for the wellbeing and health of the public. This year a new unit, namely the Parenteral Antibiotics Treatment Unit, was opened, and the existing physical medicine and rehabilitation clinic was rehabilitated.

Photos show the opening ceremony of the new unit.



21

Startup name: Development of the Car Operating with Renewable Energy Sources by Student Society of Bursa Uludag University (UMAKİT)

Startup area in UI Greenmetric questionnaire (SI, EC, WS, WR, TR, ED): EC

URL: <https://uludag.edu.tr/haber/view/11139/team-umakit-avrupa-ve-afrika-sampiyonu>

Description:

Student Society UMAKIT has been working on the improvement of cars using renewable energy sources as fuel. This year they developed a new vehicle as part of their project for the international competition, "Shell Eco-Marathon Road to 2050 Challenge". They won the championship for the regions of Europe and Africa. They have designed a car working with hydrogen energy.

Photos: Below photos show their medals and their car.

