



Bursa Uludağ University Sustainable Campus Project

Bursa Uludag University's Contribution to the Society with Sustainability Projects

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Content



Introduction

University's role in sustainability & society

- 1972**  • Stockholm- UN Conference on Human Environment
 - Urgency of global environmental challenges
- 1990s**  • Universities decided to take more responsibility for sustainability
- 1990**  • Taillores, France, Taillores Declaration was signed by university presidents
 - 520 university leaders signed as of 2021
- 1993**  • Kyoto Declaration
 - 90 universities signed
 - Underlines the role of university partnering with all segments of the society



Turkish Universities Impact



Public universities 129; Private 75



90 % of the students in public universities



Total number of university students 8,2 million (2021)
Nearly 10% of the population



Population in Türkiye: 84,6 million (2021)



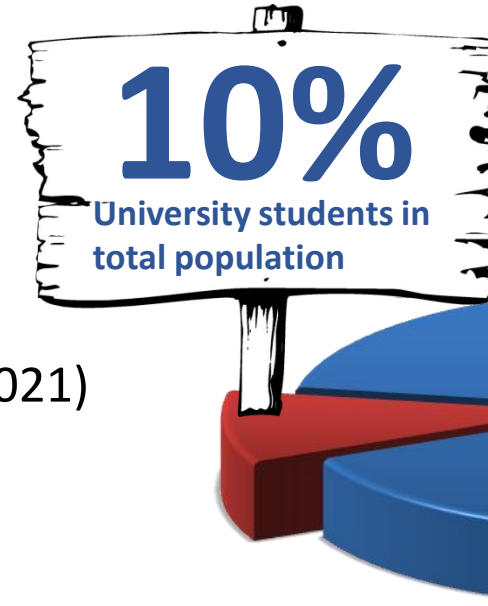
72% of public universities make efforts towards sustainability



Common activities: zero waste and green spaces
Rarely studied: cooperation with partners, energy, and curriculum



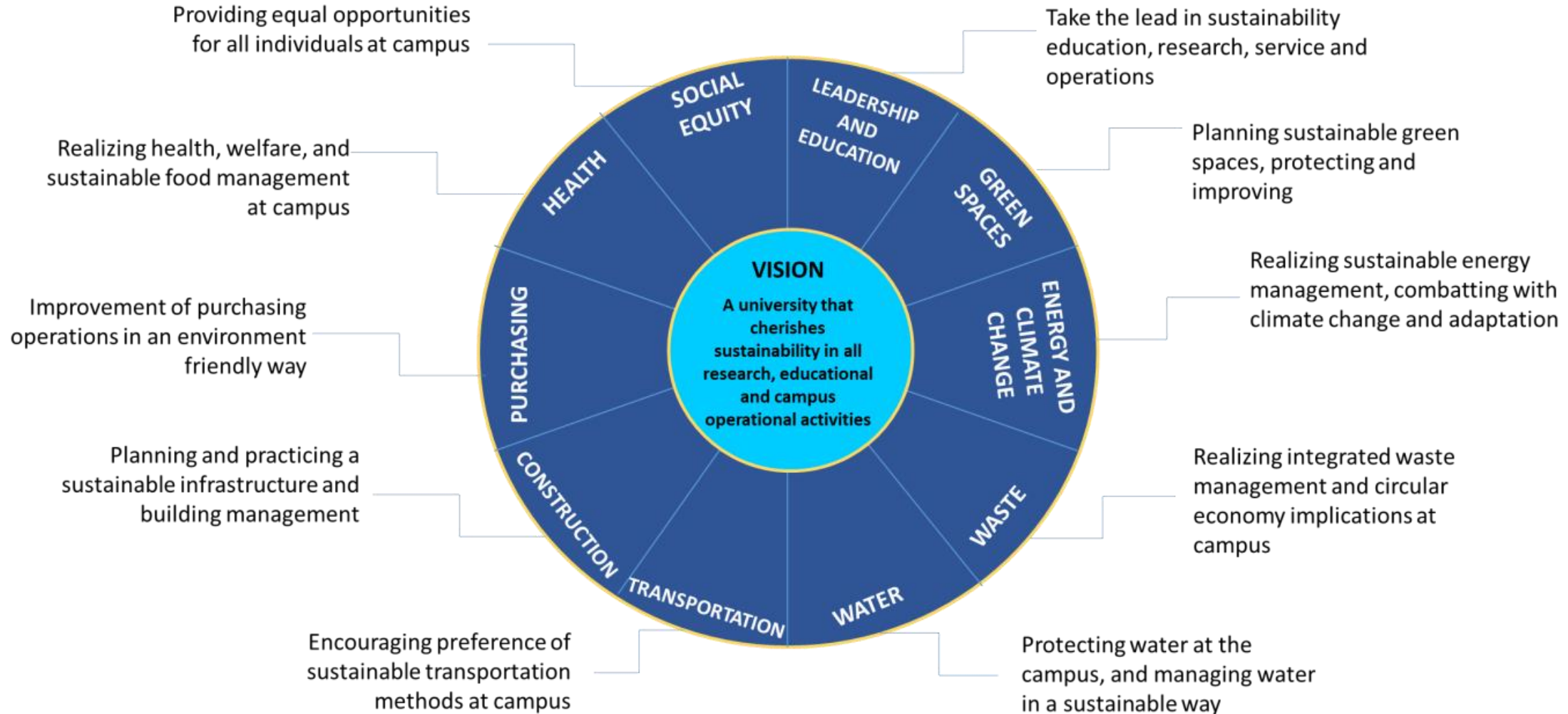
GreenMetric ranking
2010- 1 University; 2014: 10 Universities; 2020: 55 Universities



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Goals towards sustainable development

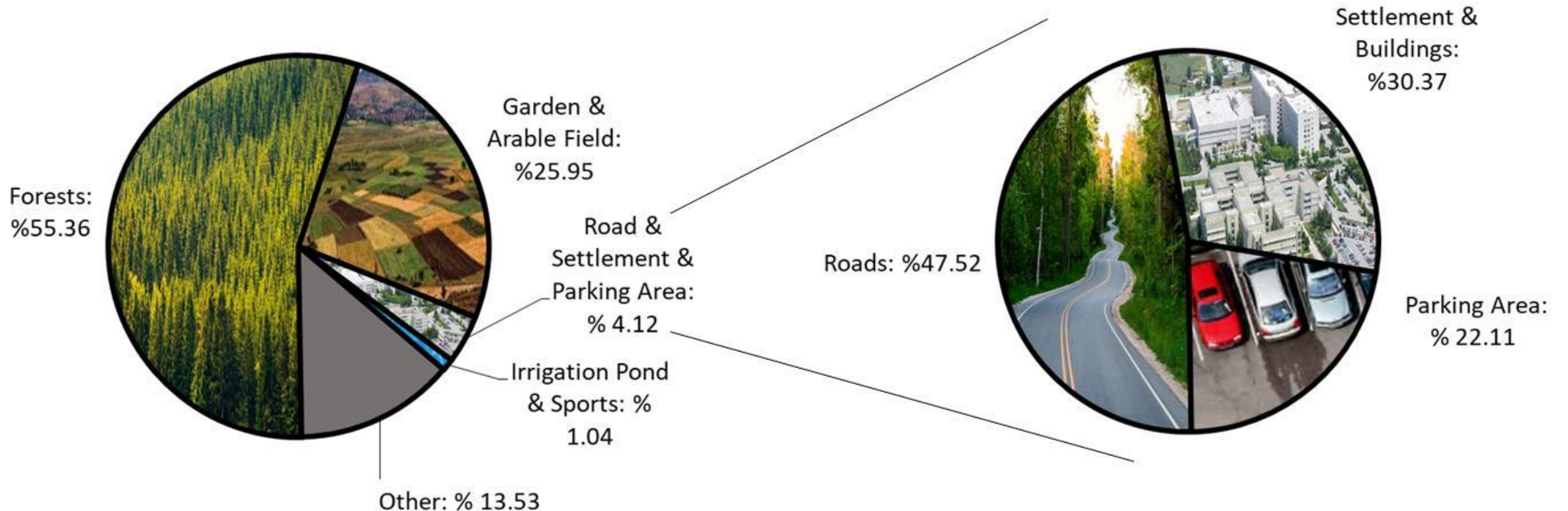
The project started in April 2021



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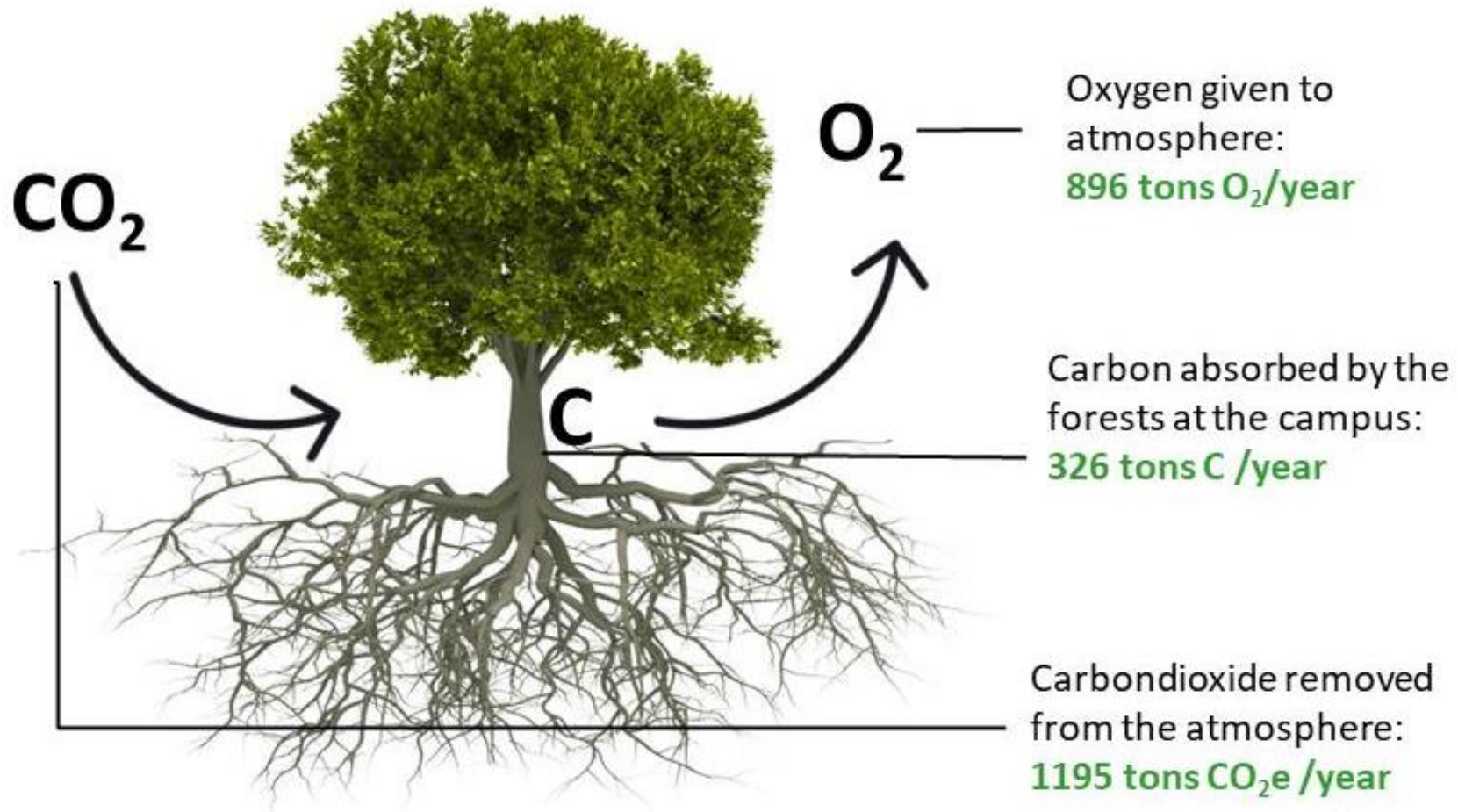
Green Spaces

- Large green areas, some of which function as carbon sinks.
- The total area of the main campus is 14.41 km².
- More than 55% of these fields are covered with forests.



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Carbon Sinks



- Total C wealth of the biomass at the campus: 9857,74 tons C
- Annual Carbon absorption by the biomass at the campus: 326,03 C/year
- CO_2 yearly equivalent of the absorption: 1195,44 metric tons
- CO_2 absorbed by the trees at our campus offsets 200 people's annual emissions.

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Sustainability Projects

PROJECT: Waste Collection and Conversion at the Campus

Step 1: Take photos of the polluted regions of the campus area and send them to our office

Step 2: Write feelings when they see such polluted places and send them to our office

Step 3: Organized a workshop to convert recyclable materials into objects or art objects

Step 4: Waste collection at the campus

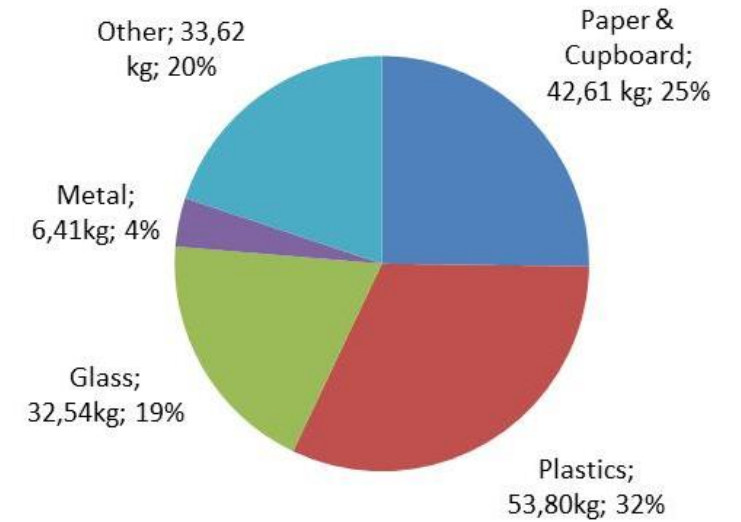
Step 5: «Waste to art» exhibition and seminars



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Sustainability Projects

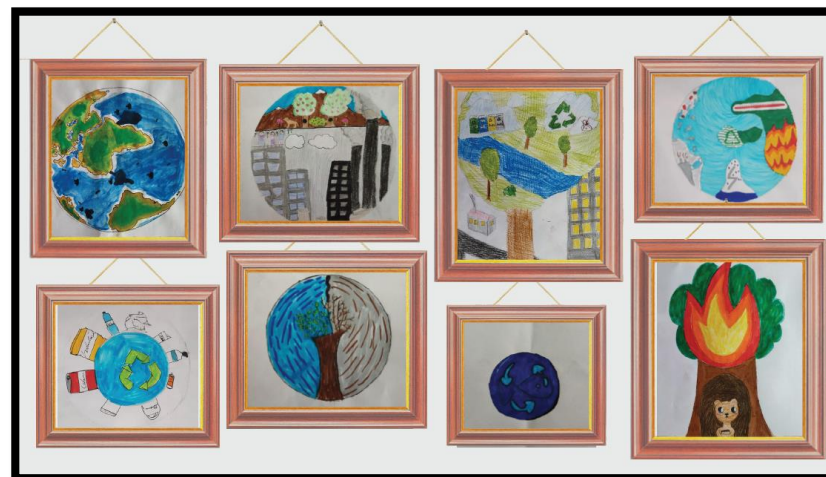
PROJECT: Waste Collection and Conversion at the Campus



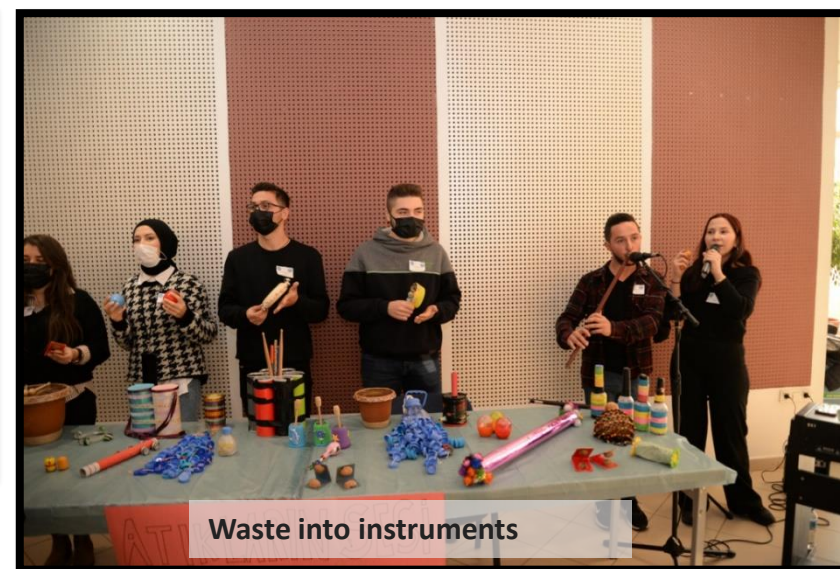
Waste to art



Conference on waste reduction



Contributions of primary school students in the neighborhood



Waste into instruments



Wish tree



Wood waste into art objects



How to obtain hydrogen from waste aluminum

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Sustainability Projects

PROJECT: Seed Balls for the Environment

Step 1: Invite the local community to participate (collect the remaining seeds after consumption of the fruits)

Step 2: Bring the seeds to our collection point at the university.

Step 3: Seed ball Workshop

Step 4: Seedball Scattering



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Sustainability Projects

PROJECT: Seed Balls for the Environment (Workshop)



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PROJECT: Seed Balls for the Environment (Scattering)



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PROJECT: A Walk for the Environment



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PROJECT: A Walk for the Environment



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Sustainability Projects

PROJECT: Ecological Gardens

- Aims to bring the university staff and families together with the soil, plants, and nature.
- 112 ecological gardens of 60 square meters.
- Students plant one of the gardens.
- Irrigation is supplied with the harvested rainwater at the university pond with the drip irrigation technique.



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PROJECT: Ecological Gardens (Opening Ceremony)



Meeting with Sustainability



Certificate Program for Industry

Corporate Sustainability Expertise



KURUMSAL SÜRDÜRÜLEBİLİRLİK UZMANLIĞI



BURSA'DA İLK 05-29 OCAK TARİHLERİ ARASINDA TOPLAM 40 SAAT

BURSA ULUDAĞ ÜNİVERSİTESİ
Kurumsal Sürdürülebilirlik Uzmanlığı Sertifika Programı

SACHI CONSULTANCY

for tomorrow, from today...

Detaylı bilgilere <http://ulusem.uludag.edu.tr/egitim-3392-kurumsal-surdurulebilirlik-sertifika-programi> linkinden ulaşabilir ve sorularınız için info@sachiconsultancy.com & sustainability@uludag.edu.tr adresine ulaşabilirsiniz.

Bursa Uludağ Üniversitesi

Kurumsal Sürdürülebilirlik Uzmanlığı Eğitimi

Kurumsal Sürdürülebilirlik Uzmanlığı Eğitimi

Rainwater Harvest Project: University & Industry Partnership



Partnership Meeting with the District Municipality Mayor



On our agenda:

1-Bicycle parks

2-Fountains

3-Sustainable

Campus Park

Bicycle Parks (with Sustainable Development goals)





Sustainable Campus Student Club

Partnership with a secondary school: Competition for finding solutions to water scarcity problem



Meetings: Sustainability Report Preparations

Meeting with partners
and volunteers



Conclusions

Constraints in Sustainability for Universities

- Financial problems (renewable energy investments or new energy-efficient smart buildings etc. necessitate budget.)
- Lack of understanding/awareness amongst the university population,
- Resistance to change...

However,

- There is still so much that can be done
- By improving partnerships...
- Establishment of partnerships within the society is more valuable than the budget.

Bursa Uludağ University's Experience:

- Awareness-raising campaigns did not necessitate an exhaustive budget
- Equivalent resources of the university will count
- Leadership of the highest-level authority
- A dedicated Sustainability Office
- Close connection with the students
- Close connection with city partners
- Perseverance

- It is challenging to reach the perfect «sustainability» point.
- It will never be perfect. However, anything toward sustainability will be something good.
- The sustainability of the «Sustainability Project» is something to preserve.
- Hard to measure the real impact on society, but we know that we are being heard.



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