



# USEK Green Campus

## Building a sustainable Future



# Engage with Us

- What does a Green Campus mean to you?
- Think of one action you already do.
- This shows that sustainability starts with individual actions.

# What is the Green Campus initiative?

- A **university-wide effort** to make USEK environmentally sustainable
- Focus areas: **energy efficiency, waste reduction, water management, biodiversity, ...**
- Goal: **raise awareness, reduce ecological footprint, and promote sustainability culture**

# Key Objectives

## 1. Environmental Responsibility

Reduce **energy consumption and carbon footprint**

Promote **renewable energy solutions**

## 2. Waste Management

Implement **recycling programs and zero-waste initiatives**

Encourage **responsible consumption**

## 3. Water & Biodiversity

Efficient **water use and conservation**

Preserve and enhance **green spaces and campus biodiversity**

## 4. Awareness & Education

Educate students, staff, and visitors about **sustainability practices**

Promote **green research and student projects**

# Achievements & Ongoing Projects

- **Installation of solar panels and energy-efficient lighting**
- **Waste sorting and recycling stations across campus**
- **Green landscaping and biodiversity-friendly areas**
- **Student-led sustainability projects and research initiatives**

# Sustainability isn't a promise, it's a result !

USEK ranks #1 in Lebanon for Waste Management and #2 nationwide overall in the UI GreenMetric World University Rankings 2025.



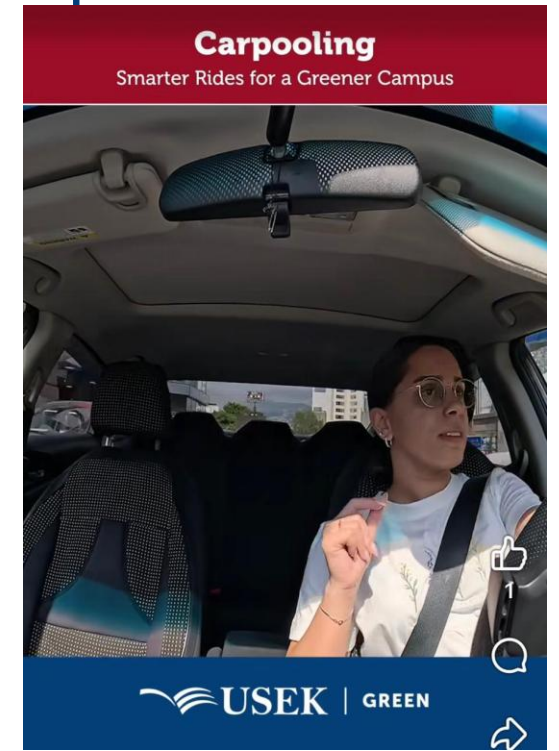
# Biodiesel Facility

One of our key initiatives is the biodiesel facility. It started as a **pilot plant for the Production of Biodiesel from Waste Cooking Oil (WCO)** in 2018 and evolved into a **research station (2025)**, helping reduce carbon emissions and promoting a circular economy approach.



# Carpooling Initiative

We also encourage carpooling among students and staff. This reduces traffic congestion, lowers emissions, and strengthens our campus community. Incentives are offered to participants.



# Water Fountain Initiative

To reduce plastic waste, USEK has implemented water fountains across campus. This encourages the use of reusable bottles and ensures access to clean drinking water.



# Recycling Facility



Our recycling facility allows proper waste sorting and recycling.  
It also plays a key role in raising awareness and encouraging responsible behaviour across

# Recycling Facility

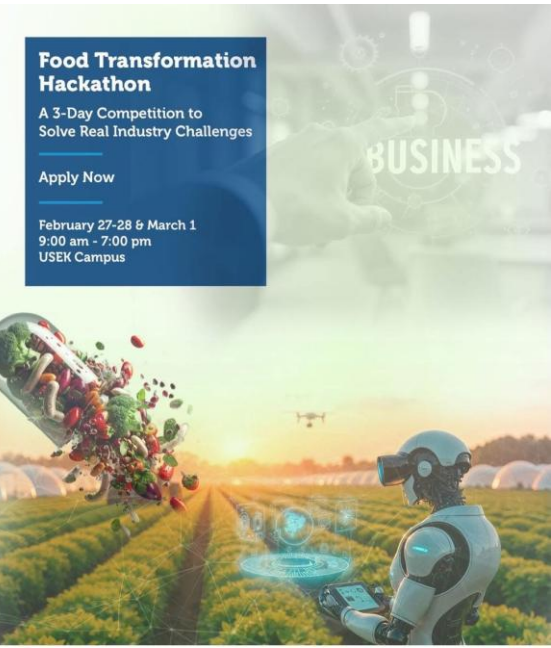
What difference can one person make?

In 2025, the USEK community showed that everyday actions matter, helping recover and divert paper, cardboard, aluminium, and other recyclables from landfill.

This Global Recycling Day, we celebrate collective effort and the habits that move us toward a greener campus and a more sustainable future.



# Innovation & Entrepreneurship



**Food Transformation Hackathon**  
A 3-Day Competition to Solve Real Industry Challenges

Apply Now

February 27-28 & March 1  
9:00 am - 7:00 pm  
USEK Campus

BUSINESS

The poster features a futuristic agricultural scene with a robot in a field, a flying drone, and a large bowl of fresh produce.



**Idealab**  
@ACIE Mount Lebanon

Be the Next Entrepreneur  
Join the Idealab Validation Program for AgriFoodtech & Cleantech Innovators!

Ideate. Validate. Pitch

Business Coaching

Workshops & Trainings

The man is standing next to a whiteboard and a banner for the Idealab program. The banner lists sponsors: Berytech, USEK, ACIE, Agrytech, and Clyntech.



**Hack the Plastic Crisis**

A Hackathon to fight food packaging waste!

Nov 17-18-19

3pm-8pm  
ESA - LEBANON

Registration Open Now!

Supported by

Circular Hub, EcoSwitch Coalition, smartESA, spark, zejd, TAQA

The poster features a circular image of a plastic bag with the handwritten text "I don't use plastic bags". It also includes logos for UNLEASH HACKS and 12 RESPONSIBLE CONSUMER AND PRODUCTION.



Through our Center for Innovation and Entrepreneurship, we:

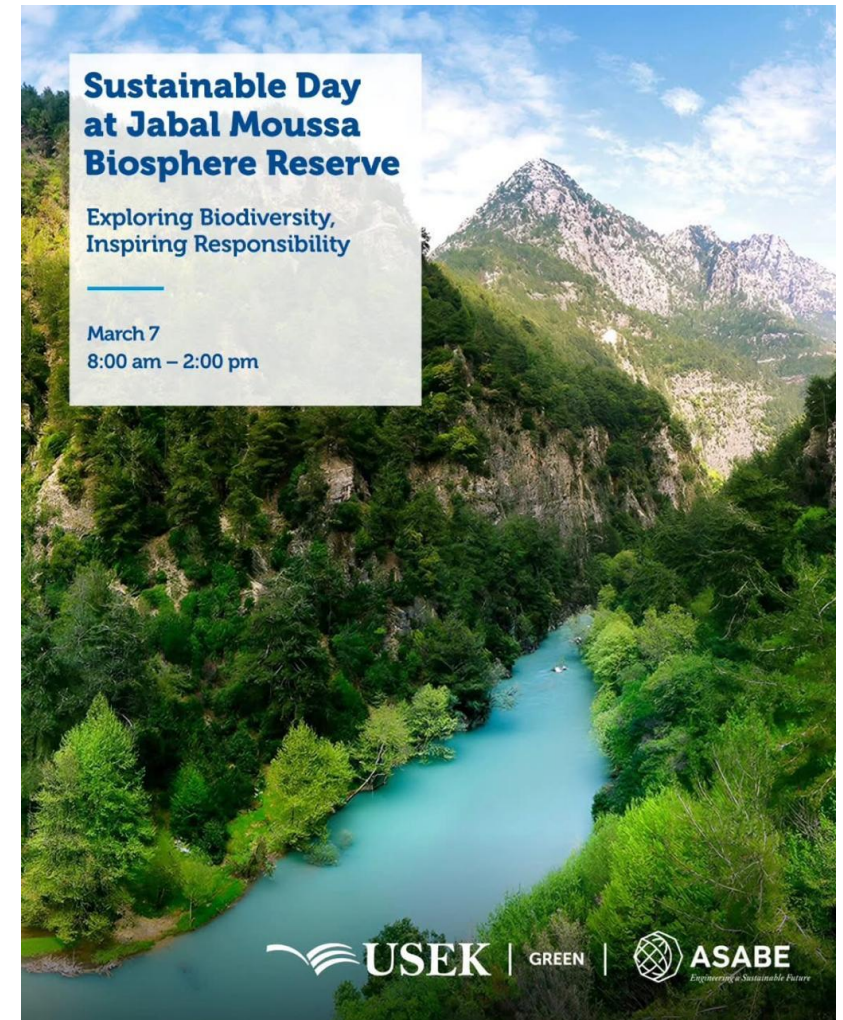
- Support emerging green startups
- Empower students to develop sustainable solutions and become future change-makers.

# Environmental Events

## Sustainable Day at Jabal Moussa Biosphere Reserve

Exploring Biodiversity, Inspiring Responsibility

Explore diverse habitats, learn about conservation initiatives, and engage directly with the natural systems that sustain life. This is a hands-on environmental experience designed for curious minds.



# Earth Hour

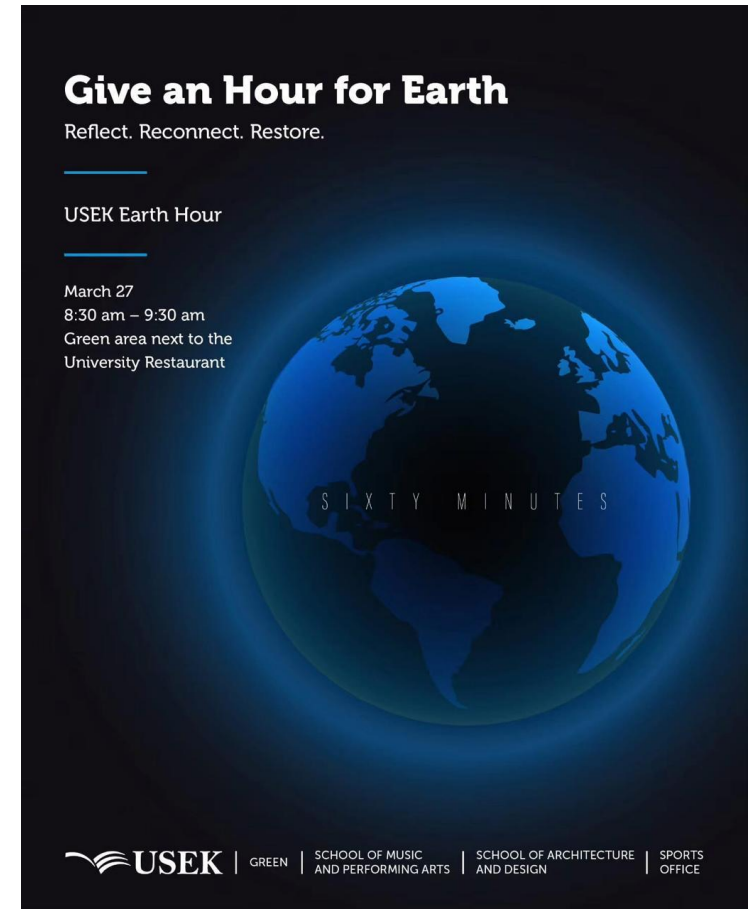
USEK actively celebrates environmental events such as Earth Hour and World Migratory Bird Day. These activities raise awareness and engage the university community.

**In 2026, Earth Hour, March 28.**

We stepped away from our screens to reconnect with what truly matters: our planet, our peace, and each other.

Through music, art, and mindful reflection, we showed that even in challenging times, our roots remain deep and our commitment to a more sustainable Lebanon remains unshakable.

Lights across campus were switched off at night.

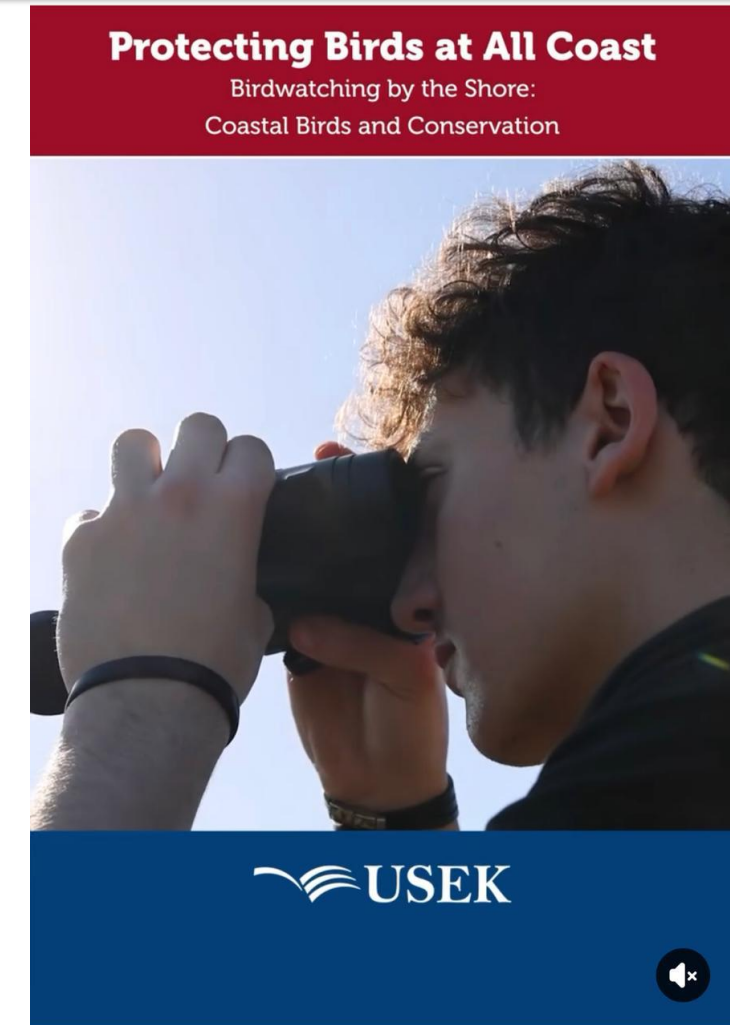


# World Migratory Bird Day

- **World Migratory Bird Day**

World Migratory Bird Day in Lebanon is celebrated bi-annually (May and October) to raise awareness, as over 600 million birds pass through the country, which is the world's second most important flyway.

At USEK, we include bird watching and educational workshops.



# World Migratory Bird Day

- **Key Locations:** Events are often centered in community-based conservation areas such as the Hammana Bird Observatory and West Bekaa.

- **Conservation Focus:** Efforts focus on protecting migratory birds, especially soaring birds (*maintain flight without flapping, specialized feather arrangements to minimize effort during flight*), during spring and autumn migration, through education and the "Hima" approach.

(The Hima approach is a 1,500-year-old traditional, community-based system for conserving natural resources. It empowers local communities, specifically municipalities, to manage areas for biodiversity, sustainable agriculture, and eco-tourism, often linking nature conservation with economic)



# Why It Matters

These initiatives are important because climate action starts locally.

Universities play a key role in shaping responsible citizens and future leaders as change-makers.

# Interactive Moment

- What initiative would you join?
- Biodiesel | Carpooling | Recycling | Water initiative | Startups

Everyone can contribute differently !

# Future Goals

- Expand **renewable energy capacity**
- Strengthen **partnerships with local and international sustainability programs**
- Integrate **sustainability into curriculum and campus culture**

USEK is committed to building a sustainable future.

But real change happens when we all take part

Thank you