

# 2024–2025 ACADEMIC YEAR
# CLIMATE ACTION
# REPORT SDG 13

## ISTINYE UNIVERSITY

İSÜ İSTİNYE ÜNİVERSİTESİ İSTANBUL

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# ABOUT US

## Our Mission

Istinye University's mission is to provide innovative and sustainable education in a student centred institution working closely with industry; to conduct research based on advanced technology; to produce new knowledge and technologies; and to contribute to society by developing solutions to local and global problems.

## Our Vision

Istinye University's vision is to become one of the world's leading universities pursuing excellence in education, research, innovation and technology development, with artificial intelligence at its centre.

## Our Values

- Respect for people and differences
- Commitment to professional ethics and human values
- Social and community responsibility
- Justice and merit
- Environmental awareness and sustainability
- Lifelong learning
- Collective wisdom
- Participation
- Innovation
- Entrepreneurship
- Leadership

Source: [1] Mission and Vision

# APPLICATION AND RESEARCH CENTRES

## International Sustainability Application and Research Centre

Istinye University International Sustainability Application and Research Centre (ISU-IRCOS) supports interdisciplinary research, education and applied work on sustainability. Its focus areas include environmental responsibility and climate change, natural capital, the circular economy and regional sustainable development.

The centre aims to develop national and international partnerships, contribute recommendations for sustainability policies and action plans, promote knowledge exchange among stakeholders and raise awareness within and beyond the university.

Source: [2] International Sustainability Application and Research Centre

## Climate and Environmental Research Centre

Established in 2023, the Climate and Environmental Research Centre aims to raise awareness of climate change and environmental issues, conduct interdisciplinary scientific research and develop institutional partnerships. Its areas of activity include scientific and social events, educational work and community engagement.

Drawing on knowledge and infrastructure across university disciplines, the centre focuses on planning and developing climate and environmental research, participating in national and international research networks and developing sustainable policies.

Source: [3] Climate and Environmental Research Centre · [4] Climate and Environmental Research Centre Directive

# ENERGY AND CLIMATE POLICY

Istinye University aims to reduce its institutional impact from greenhouse gas emissions and air pollutants. Reducing energy use, developing plans and practices for the transition to renewable energy and supporting good practice are central to this approach.

Education and research on climate change mitigation and adaptation form part of the university's educational, research and community engagement responsibilities. Students, staff and other stakeholders are encouraged to engage with climate awareness.

Source: [5] Energy and Climate Policy

## Environmental Responsibility

The university's approach to environmental responsibility covers greenhouse gases and other air pollutants alongside water, wastewater, natural resources and waste. Conservation and efficiency practices aim to contribute to environmental protection and public health, beginning with the campuses.

Education, research, operations, infrastructure and social responsibility are addressed together, with an emphasis on inclusion, an integrated approach and continuous improvement.

Source: [6] Environmental Policy

# ACTIVITIES

## Climate Ambassadors Training Camp

**9–12 February 2025 · Antalya**

Istinye University's student climate ambassador from the Department of International Relations participated in the Climate Ambassadors Training Camp organised in Antalya by the Directorate of Climate Change. Training sessions and panels aimed to strengthen young people's understanding of climate change and support their active involvement in climate action.



Participants in the Climate Ambassadors Training Camp, February 2025.

Following the camp, proposals for campus-wide climate awareness activities were shared in cooperation with ISU-IRCOS. The Leadership Student Programme also provided a setting for developing project ideas on green campus practices and student-led climate initiatives.

Source: [7] Climate Ambassadors Training Camp participation news

## International Climate Day Panel

**15 May 2025 · Vadi H Campus**

Organised by ISU-IRCOS, the International Climate Day Panel addressed the course of climate change and municipal climate practices in the Marmara Region. Discussions covered global risks, challenges facing local authorities and evidence-based policy development.




Announcement poster for the International Climate Day Panel.

The panel took place on the same day as the CLEMM project launch programme. By bringing academic expertise together with municipal practice, the event enabled knowledge exchange on climate adaptation and mitigation policies.

Source: [8] International Climate Day Panel announcement · [9] CLEMM launch meeting and panel news

## Climate Cooperation with Local Authorities

**15–16 May 2025 · Istanbul**

Supported by the British Academy, CLEMM brings together Istinye University, the Institute of Development Studies, the Marmara Municipalities Union and Şişli Municipality. The project aims to strengthen the knowledge systems that enable municipalities in the Marmara Region to pursue effective and socially just climate adaptation and mitigation policies.



A photograph from the CLEMM launch programme and municipality visits.

On 15 May, project partners reviewed the work programme at Istinye University. The meeting at the Marmara Municipalities Union on 16 May examined municipalities' climate roles and policy documents, followed by field visits to Üsküdar and Kadıköy municipalities.

Mutual learning, identifying knowledge needs and sharing municipalities' practical experience are central to the collaboration.

Source: [9] CLEMM launch meeting and panel news · [10] University news on CLEMM · [11] CLEMM partnership and project information

## Sustainable Future Summit

**28 May 2025 · Vadi H Campus**

Hosted by Istinye University in cooperation with Genç TEMA, the Sustainable Future Summit brought together academics, students and participants from different sectors. Panels, exhibitions and presentations addressed zero waste, marine microplastics, environmental awareness and industrial transformation.



A photograph from the Sustainable Future Summit.

The “Sustainability and Climate Change” presentation examined future climate impacts and environmental risks. Sessions on sustainability in industry discussed packaging, plastic use, supply chains and the circular economy. Exhibition and Demo Day sessions introduced participants to sustainable innovation and young entrepreneurs’ project ideas.

Source: [12] Sustainable Future Summit announcement · [13] Sustainable Future Summit news

## Disaster Preparedness and Student Participation

Istinye University's Search and Rescue Club works to promote disaster awareness and strengthen students' preparedness. A meeting with university management considered student initiatives and collaboration with public institutions and civil society organisations.

Source: [15] Search and Rescue Club and disaster awareness activities

Disaster awareness training was announced for 14 April 2025 as part of the Istinyelilik Manifestosu 1 course. The programme was scheduled at the Vadi Campus Conference Hall with specialist trainers from the Volunteer Disaster Response Team Association to cover individual and community preparedness.

Source: [14] Manifesto Seminars disaster awareness training

## Activity List

| Date | Activity | Source |
|---|---|---|
| February 2025 | Meeting with the Search and Rescue Club on disaster awareness | News |
| 09–12.02.2025 | Participation in the Climate Ambassadors Training Camp | News |
| 14.04.2025 | Manifesto Seminars Disaster Awareness Training | Announcement |
| 15.05.2025 | International Climate Day Panel | Announcement |
| 15–16.05.2025 | CLEMM launch meeting and municipality visits | News |
| 28.05.2025 | Sustainable Future Summit | News |

The International Climate Day Panel forms part of the CLEMM launch programme. For the Search and Rescue Club meeting, the publication month is shown because the day is not specified. Announcement links show scheduled programmes; news links describe completed activities.

Source: [16] 2024–2025 Consolidated Event List, SDG 13 records

# ACADEMIC PROJECTS

Research related to climate action covers clean energy, energy management, local climate policies, green transformation, building efficiency and the reduction of environmental impacts.

| Funder | Programme or Call | Project Title |
|---|---|---|
| TÜBİTAK | 2023 Joint Call for Proposals in Science, Technology and Innovation in the Thematic Area of Clean, Accessible and Secure Energy Supply | Circular Economy for Waste-to-Energy Conversion: Transforming Local Plastic Waste into Multifunctional Catalysts for Green $H_2$ Production |
| European Union TÜBİTAK | ERA-Net Smart Energy Systems EnerDigit Joint Call | An AI-based Cognitive Platform for Smart Renewable Energy Management (CASREM) |
| British Academy | CI.24012 | Co-designing Learning for Evidence-based Climate Policy in Marmara's Municipalities, Türkiye (CLEMM) |
| TÜBİTAK | Green Innovation Technology Mentoring Call | ÜSİMP Green Transformation Platform |
| TÜBİTAK | TÜBİTAK Industrial R&D Projects Support Programme | Development of a Hybrid Energy Generation and Optimisation System for Energy-efficient Buildings |
| TÜBİTAK | Bilateral Cooperation Programme with the US National Science Foundation (NSF) | Measurement and Prediction of Cold Fog in Mountainous Regions |
| TÜBİTAK | Short Term R&D Funding Programme | Ecological Improvement for Gases Used in Gas-type Particle Detectors |
| | | |

Source: [17] TTO Academic Projects List, TÜM sheet, SDG 13 records

# STUDENT PROJECTS

Student projects address materials for sustainable energy and the environment, the environmental performance of electric heavy-duty vehicles and carbon footprint calculation.

## TÜBİTAK 2209 — 2024/1 Call Period

| Project Title | Funder |
|---|---|
| Application of Magadiite Synthesis from Waste Glass as a Layered Silicate for Sustainable Energy and the Environment | TÜBİTAK |

Source: [18] TÜBİTAK 2209 Student Projects List, 2024/1 and 2025/1, SDG 13 records

## TÜBİTAK 2209 — 2025/1 Call Period

| Project Title | Funder |
|---|---|
| Investigation of the Economic and Environmental Performance of Electric Heavy-duty Vehicles: A Case Study | TÜBİTAK |
| Data Collection through Value Stream Mapping and Development of a Carbon Footprint Algorithm at Köprü Metal | TÜBİTAK |

Source: [18] TÜBİTAK 2209 Student Projects List, 2024/1 and 2025/1, SDG 13 records

# SOURCES

## Institutional Sources

[1] Mission and Vision

[2] International Sustainability Application and Research Centre

[3] Climate and Environmental Research Centre

[4] Climate and Environmental Research Centre Directive

[5] Energy and Climate Policy

[6] Environmental Policy

[7] Climate Ambassadors Training Camp participation news

[8] International Climate Day Panel announcement

[9] CLEMM launch meeting and panel news

[10] University news on CLEMM

[11] CLEMM partnership and project information

[12] Sustainable Future Summit announcement

[13] Sustainable Future Summit news

[14] Manifesto Seminars disaster awareness training

[15] Search and Rescue Club and disaster awareness activities

## Project and Activity Records

[16] 2024–2025 Consolidated Event List, SDG 13 records

[17] TTO Academic Projects List, TÜM sheet, SDG 13 records

[18] TÜBİTAK 2209 Student Projects List, 2024/1 and 2025/1, SDG 13 records