



INTERNATIONAL UNIVERSITY OF TOURISM AND ENTREPRENEURSHIP OF TAJIKISTAN

RESEARCH INSTITUTE FOR SUSTAINABLE DEVELOPMENT AND GREEN ECONOMY

“APPROVED”

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UNIVERSITY SUSTAINABLE DEVELOPMENT REPORT

DUSHANBE – 2025

This report has been prepared by the Research Institute for Sustainable Development and Green Economy of the International University of Tourism and Entrepreneurship of Tajikistan for the purpose of systematizing and presenting the University's achievements in the fields of sustainable development, green economy and diplomacy, and the digital transformation of the educational environment.

The report reflects the implementation of all sustainable development programs of the University, including infrastructure, energy and climate change, waste management, water resources, transport, as well as education and science.

1. MISSION, VISION, GOAL, STRATEGY AND POLICY OF THE UNIVERSITY IN THE FIELD OF SUSTAINABLE DEVELOPMENT

The university's mission is to foster an environmentally responsible society through education, science and international cooperation.

Vision and Strategy for Sustainable Development. The International University of Tourism and Entrepreneurship of Tajikistan views sustainable development as a key component of its mission and institutional philosophy. The university's vision is to create an environmentally responsible educational environment that integrates scientific research, innovative technologies, and resource management practices for the benefit of society and future generations.

The report aims to ensure transparency of the university's actions in the areas of ecology, education, and resource management, and to strengthen its position as a national leader in promoting the SDGs.

The university's sustainable development strategy is based on a comprehensive approach that encompasses scientific, educational, infrastructural, and social dimensions.

The main goal of the strategy is to integrate sustainable development principles into every area of the university's activities: from campus design and educational programs to scientific research and international cooperation.

Particular attention is paid to creating green infrastructure, developing digital and climate-related competencies among students, promoting greening ideas, and participating in global initiatives aimed at implementing the UN Sustainable Development Goals. The university strives to become not only an educational center but also a model for green thinking, contributing to the implementation of state environmental policy and strengthening Tajikistan's international image as a country committed to sustainable development.

The Sustainable Development Policy of the International University of Tourism and Entrepreneurship of Tajikistan was approved by the Chancellor's order and represents a strategic document defining long-term priorities and principles of environmentally responsible management.

It is based on a combination of national priorities of the Republic of Tajikistan, strategic documents of the Government in the field of "green economy",

as well as international commitments within the framework of the 2030 Agenda for Sustainable Development.

Key policy areas include:

1. Energy transformation, such as the transition to renewable energy sources, increasing campus energy efficiency, and introducing innovative energy management technologies;
2. Water conservation and water security, as the implementation of programs for rational water use, water reuse and wastewater quality control;
3. Waste management – implementation of the 3R principles (Reduce, Reuse, Recycle), formation of the Zero Waste Campus System, improving the environmental culture of students and staff;
4. Sustainable transport, such as the development of environmentally friendly types of mobility, optimization of parking zones, stimulation of the use of electric scooters, bicycles and shared transport;
5. Digitalization and e-governance – transition to electronic document management, creation of a system for intelligent monitoring of energy consumption, water and transport resources.

The policy aims to ensure that all university departments operate in accordance with the principles of sustainable development, and that program implementation is accompanied by transparent monitoring, regular reporting, and the participation of students and staff in decision-making processes.

The strategic approach is based on the UN Sustainable Development Goals (SDGs), the national priorities of the Republic of Tajikistan and the global initiatives of President of Tajikistan, His Excellency, Mr.Emomali Rahmon on the sustainable use of water and natural resources.

2. UNIVERSITY PROGRAMS AND INITIATIVES

1. Flora and Fauna Conservation Program (2024-2030)

Goal: To create a sustainable ecosystem on campus.

Measures:

- Cultivation of rare ornamental and endemic plants (more than 80 species).
- Creation of a mini-botanical garden.
- Installation of an automatic irrigation system.

Partners: Committee for the Environment, GIZ.

Result: Increased biodiversity and environmental sustainability of the area.

2. Development and Infrastructure Program

Goal: To improve campus conditions with a focus on energy efficiency and accessibility.

Measures:

- Modernization of buildings using energy-efficient technologies.
- Equipping with modern laboratories and training centers.

- Creation of green spaces and a waste separation system.
Result: improved infrastructure quality and integration of SDGs 9, 11, and 13.

3. Greenhouse Gas Emission Reduction Program (2024-2030)

Goal: Achieve climate neutrality on campus.

Measures:

- accounting of emissions in three scopes (Scope 1-3);
- transition to renewable energy sources;
- Reducing transport and office emissions.

Partners: GIZ, OSCE, and the Ministry of Education and Science of the Republic of Tatarstan.

Result: a reduction in total CO₂ emissions by more than 30%.

4. Innovative programs in the field of energy and climate

4.1. “Green Energy Campus ” (2024-2030)

- installation of solar panels (up to 50 kW total capacity);
- implementation of an intelligent energy management system iU -Energy;
- transition to LED lighting;

Effect: reduction of energy consumption by 25%, CO₂ emissions by 35%.

4.2. “Smart Comfort System” (2023-2028)

- automatic control of ventilation and lighting;
- humidity and CO₂ control using sensors;
- Microclimate optimization using AI.

Effect: reduction of climate control costs by 30%.

4.3. Green Mobility (2022-2027)

- installation of charging stations for electric vehicles and scooters;
- development of cycling infrastructure and carpooling .

Effect: Reduction of Scope 3 transport emissions by 20%.

4.4. “e-Green: Electronic Document Management” (2023–2026)

- complete transition to digital forms of office work;
- Use of cloud storage and digital signatures;

Effect: Reduction of paper costs by 70%.

5. Climate change programs

Objective: To develop a sustainable mindset among students and staff.

Measures:

- holding conferences, trainings and environmental events;
- inclusion of modules on climate adaptation in the curriculum;
- partnership with the OSCE, SCO Universities, and GIZ.

Impact: Increased awareness and practical engagement in climate action.

6. 3R: Zero Waste Campus Program (2023–2030)

Goal: waste minimization.

Measures:

- waste separation system;
- processing of organic and non-organic waste;
- digital monitoring of waste streams.

Result: recycling of more than 75% of waste, reduction of landfill volume.

7. Water Resources Programs

7.1. “Smart Water Management” (2024-2030)

- implementation of water flow sensors;
- automatic leak control;
- consumption analytics through ICT.

Effect: water savings of 30%.

7.2. “Water Reuse System” (2023-2028)

- reuse of industrial water for irrigation and cleaning;
- creation of storage tanks.

Effect: up to 40% water reuse.

7.3. “Digital Water Management”

- online monitoring via the SmartCampus system;
- analytics and forecasting of water consumption.

7.4. “Water Quality Control” (2023-2027)

- laboratory testing of waste and drinking water;
- filtration, biological and mechanical purification;

Effect: Prevents pollution and reuses up to 25% of water.

8. Transport and Mobility Programs

8.1. Parking Reduction & Green Zones ” (2023-2027)

- optimization of parking lots, landscaping of territories;
- reduction of parking area by 30%;

Effect: improved campus microclimate and reduced air pollution levels.

8.2. “Monitoring and ICT Control” (2024-2030)

- digital monitoring of traffic flows;
- emission data analysis;

Effect: formation of a sustainable transport strategy.

3. PARTNERS

1. Government of the Republic of Tajikistan
2. Ministry of Education and Science of the Republic of Tatarstan
3. Committee for Environmental Protection
4. GIZ
5. OSCE
6. World Tourism Organization (UNWTO)
7. Universities of the Shanghai Cooperation Organization
8. International Academy of Higher Education Sciences
9. Asian Association of Universities

4. ALIGNMENT WITH THE SUSTAINABLE DEVELOPMENT GOALS (SDGs)

No.	SDG	Supporting programs
1.	Clean water and sanitation	Smart Water, Water Reuse, Water Quality
2.	Available energy	Green Energy Campus
3.	Industry and Innovation	Smart Comfort, e-Green
4.	Sustainable cities	Development and infrastructure
5.	Responsible consumption	3R Zero Waste
6.	Combating climate change	All climate programs
7.	Preservation of ecosystems	Flora and Fauna Program
8.	Partnership for Sustainable Development	All international partnerships

5. RESULTS

The International University of Tourism and Entrepreneurship of Tajikistan demonstrates a systematic and strategic approach to implementing sustainable development principles, integrating science, education, innovation, and green diplomacy into a unified transformation ecosystem.

In 2025, the university solidified its position as one of the country's leading universities, integrating cutting-edge climate, digital, and resource-saving technologies into its educational and research processes. As part of the comprehensive "Green Campus 2030" strategy, long-term programs are being implemented to digitalize management, improve energy efficiency, conserve water, reduce carbon footprint, and foster environmental awareness among students and staff.

The International University of Tourism and Entrepreneurship of Tajikistan has achieved significant results in implementing sustainable development principles, consistently introducing innovative, digital, and environmentally friendly practices into its education and research activities.

In recent years, the university has established itself as a leading centre for green economy and diplomacy, sustainable education and innovation. technologies, demonstrating the real implementation of national and international sustainable development strategies.

MAIN RESULTS AND ACHIEVEMENTS:

- **Infrastructure Transformation:** Campus modernization has been completed, with new buildings, laboratories, and green spaces added. The infrastructure program has reached over 90% completion, creating an energy-efficient, inclusive, and safe educational environment.
- **Water sustainability:** Digital and recirculating water management systems have been implemented, resulting in a reduction of water loss of up to 30%,

an increase in metering accuracy of up to 95%, and the reuse of over 50% of water volumes.

- **Digitalization of management:** the transition to electronic document management has reduced paper and plastic consumption by more than 90%, increased management transparency, and increased employee digital literacy.
- **Climate and educational activities:** in 2025, more than 30 international conferences and forums were held on sustainable development, green economy and diplomacy, climate adaptation, and other topics. The university has become a platform for the exchange of experience between national and international experts, including partners from UNEP, OSCE, GIZ, and CAREC.
- **Developing environmental behavior:** A sustainable environmental education system has been created, engaging students, teachers, and local communities. Courses and disciplines on climate change, green economy, and sustainable development have been introduced.
- **SDG alignment:** The university's programs directly support the UN Sustainable Development Goal (SDG) across the areas of education, environment, innovation, climate, and partnership .

GENERAL EFFECT OF IMPLEMENTATION:

The programs implemented have enabled the university to move from isolated initiatives to a comprehensive sustainable management system. A framework has been established for annual carbon footprint monitoring, digital monitoring of water and energy resources, and assessment of the campus's contribution to the implementation of national and international climate commitments.

As a result, the university has become a model example of a “green university” in Tajikistan , combining educational, scientific, and diplomatic functions, and its experience is actively used in national expert circles on sustainable development issues.

6. CONTACTS

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