



D. Serikbayev

**EAST
KAZAKHSTAN
TECHNICAL
UNIVERSITY**

SDG 13

Policy of NJSC «D. Serikbayev EKTU»



TABLE OF CONTENTS

1 GENERAL PROVISIONS	3
1.1 Purpose	3
2 CURRENT EKTU MEASURES TO COMBAT CLIMATE CHANGE	3
2.1 Scientific Research on SDG 13	3
2.2 Use of Low-Carbon Energy Sources	4
2.3 Environmental Education and Outreach	4
2.4 Commitments to Achieving Carbon Neutrality	5
3 EKTU CLIMATE TARGETS	5
4 PLANNED MEASURES	5
5 EXPECTED RESULTS	6



1. GENERAL PROVISIONS

1.1 Purpose

This policy defines the strategic goals and priority areas of activity at EKTU within the framework of achieving the United Nations Sustainable Development Goal (SDG) No. 13 “Climate Action.” It aligns with the international commitments of the Republic of Kazakhstan under the Paris Agreement, as well as with the provisions of Kazakhstan’s Strategy for Achieving Carbon Neutrality by 2060. It includes integrating the principles of sustainable development into the educational process, conducting scientific research in climatology, ecology, and low-carbon technologies, and implementing energy-efficient and resource-saving solutions within the university’s infrastructure.

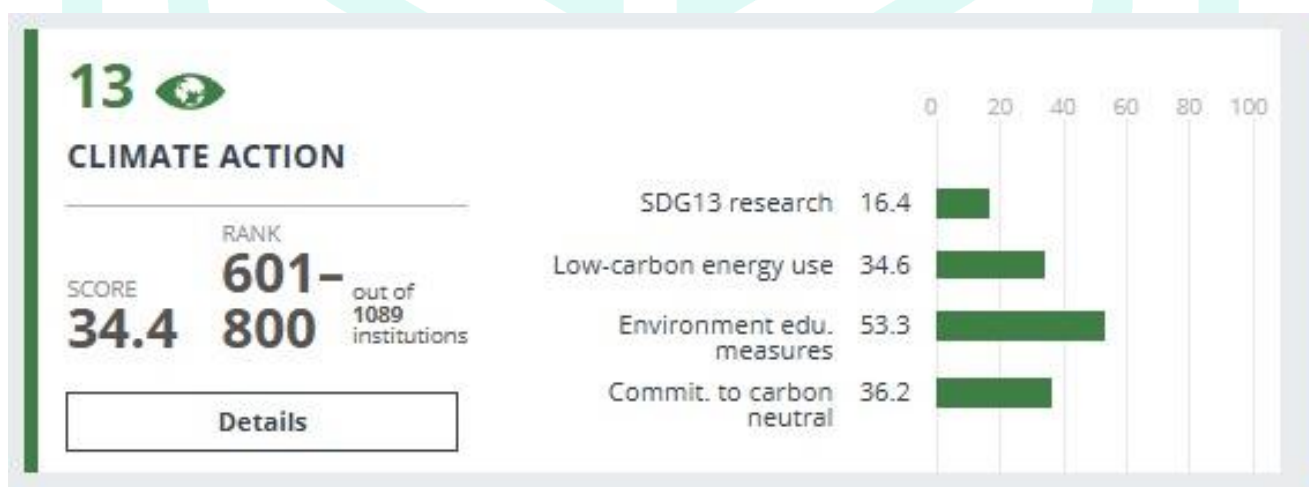


The document sets out EKTU’s commitments to reducing its carbon footprint, increasing the share of renewable energy use, fostering an environmental culture among students and staff, and developing partnerships with governmental, international, and public organizations in order to achieve carbon neutrality.

2. CURRENT EKTU MEASURES TO COMBAT CLIMATE CHANGE

2.1 Scientific Research on SDG 13

The university conducts research in the fields of climatology, energy, and environmental sustainability, focusing on studying the effects of climate change and developing measures to adapt to and mitigate its consequences.



Innovative programs EKTU in Energy and Climate Change

Digital Ecosystem	Green Campus	Carbon Center	Well-being Project	Eco e-monitoring
smart management systems	implementation of "green" programs in the life of the university	projects to reduce greenhouse gas emissions and carbon sequestration	favorable environment	monitoring of environmental parameters inside and around the campus

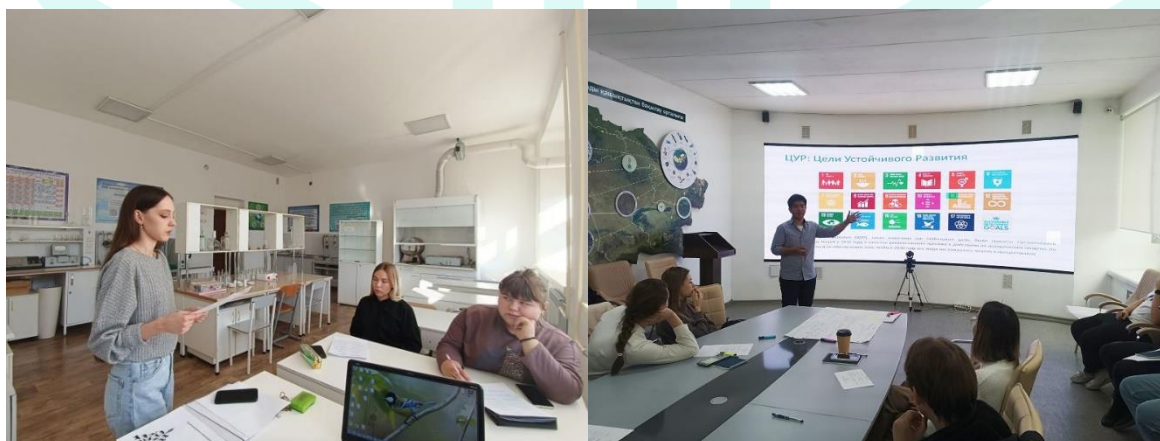
2.2 Use of Low-Carbon Energy Sources

A number of university departments are implementing technologies aimed at reducing their carbon footprint, such as using energy-efficient equipment and modernizing lighting and heating systems.



2.3 Environmental Education and Outreach

Lectures, seminars, and practical workshops are conducted for students and staff on ecology, sustainable development, and climate protection.



2.4 Commitments to Achieving Carbon Neutrality

The University declares its intention to gradually reduce greenhouse gas emissions and implement measures to offset residual emissions.

3. EKTU GOALS IN THE FIELD OF CLIMATE CHANGE

- 1) Reduce the University's carbon footprint by 40% by 2030
- 2) Increase the share of low-carbon and renewable energy in total energy consumption to 30% by 2030.
- 3) Advance climate education by integrating the topics of sustainable development and climatology into all academic programs.
- 4) Increase the University's contribution to climate research—double the number of publications related to SDG 13 by 2030.
- 5) Achieve carbon neutrality by 2045.

4. PLANNED MEASURES

4.1 Infrastructure and Energy

Installation of solar panels on campus buildings (pilot project — 2026). Transition to energy-efficient heating systems using heat pumps. Monitoring and reduction of energy consumption in all buildings.

4.2 Science and Research

Establishment of a Laboratory for Climate Technology and Sustainable Development (2026). Encouraging publications on climate topics in international journals. For example, a reward system could be established for each article published or for achieving a certain number of publications.

4.3 Education and Outreach

Introduction of the discipline “Climate Change and Sustainable Development” for all specialties. Programs for improving the qualifications of teachers on environmental issues.

4.4 Governance and Reporting

Annual report on CO₂ emissions and progress toward climate goals. Introduction of a “carbon budget” for departments.

4.5 Social and Student Initiatives

Support for student eco-projects. Organization of annual campaigns for greening and landscaping the territory.



5. EXPECTED RESULTS



Improved EKTU performance in the THE Impact Rankings for SDG 13.

Impact Rankings

Select the type of ranking below to see stats

Responsible
Consumption and
Production 2025
501-800th



Climate Action 2025

601-800th



Life below Water 2025

401-600th



Reduced energy costs and CO₂ emissions.



Formation of a strong environmental culture among students and staff.



Consolidation of the University's status as one of the most environmentally oriented and sustainably developing institutions in the region.