

# NP JSC "South Kazakhstan University named after M. Auezov»



## University Climate Change Policy

## Introduction

In our time Climate change is one of the most important international problems of the 21st century, which represents yourself a complex interdisciplinary problem covering environmental, economic and social aspects of sustainable development. In this regard, our country is actively seeking solutions to global climate change issues and wants to protect the environment in conditions of partnership and peace.

In December 2022, Kazakhstan presented a report on measures to combat climate change. The Ministry of Ecology and Natural Resources of the Republic of Kazakhstan, with the support of the UN Development Program in Kazakhstan and the Global Environment Facility, made a report on how the country is coping with the consequences of climate change.

Climate change is reducing social mobility and causing significant changes in people's lives.

The main instrument for regulating the country's climate policy is the Environmental Code, adopted in 2021. It provides for the introduction of a market mechanism - an emissions trading system, requiring an annual reduction of emissions by 1.5% until 2030.

Kazakhstan faces serious air pollution problems as a result of its heavy dependence on fossil fuels, which leads to greenhouse gas emissions.

Climate change is a major challenge facing Kazakhstan. However, with appropriate adaptation measures, the country can cope with the challenges posed by climate change. Developing sustainable agriculture, improving the water system, increasing energy efficiency and developing a warning and response system are just some of the ways Kazakhstan is adapting to climate change. Therefore, it is necessary to work together to implement these measures to ensure a sustainable future for the country and its inhabitants.





## University priorities for combating climate change

Universities around the world are increasingly aware of their responsibility to prepare students and communities to actively participate in climate change mitigation and adaptation. This role involves universities adopting and promoting carbon neutral goals and practices.

Realizing the important role that South Kazakhstan University named after M. Auezov plays in the Turkestan region as a whole, as well as for students, teachers and staff, for the general public, we strive to implement the strategic mission of the university within the framework of the SDGs by creating a culture of a scientific and educational campus and developing human potential.

The main policy priorities of the South Kazakhstan University named after M. Auezov in the field of climate change and sustainable development:

- Integration of climate change and adaptation issues into the formal and non-formal education system. Building a sustainable lifelong climate change education system.
- Creation of the University's research campus as an interdisciplinary platform for experimental, scientific, practical and innovative activities in the field of sustainable development, climate change, environmental safety and adaptation to the conditions of a changing environment, involving scientists, students, undergraduates, and doctoral students in its work.
- Creation of communication platforms for discussing issues of adaptation to climate and environmental changes and management decision-making issues with the involvement of scientists, practitioners, government officials, civil activists, etc.
- Creation of a university campus infrastructure that is friendly to the natural environment and humans as an example of responsible environmental management and consumption, including energy saving technologies, economical water use, environmentally oriented waste management, organization of green spaces for recreation and work, the use of alternative energy sources to reduce greenhouse gases and environmental pollution. footprint of the university as a whole.



On December 5, 2023, the UI GreenMetric World University Rankings Rating Agency published the results of the international university ranking GreenMetric-2023. South Kazakhstan University named after. M. Auezov took 253rd place among 1183 universities in the world, improving its results by 7 positions compared to last year. In the Republic of Kazakhstan SKU named after. M. Auezov is in 2nd place among 18 universities.

The rankings take into account 6 categories: convenient university infrastructure, use of energy-efficient and water-conserving technologies on campus, waste recycling and water conservation programs at the university, convenient transportation routes on campus that reduce emissions of carbon dioxide and harmful particles, and environmental education on campus. educational programs of the university.

The infographic is divided into four quadrants. The top-left quadrant features the GreenMetric logo with a globe icon and the text 'GreenMetric World University Rankings'. The bottom-left quadrant shows a photograph of the Auezov University main building. The top-right quadrant displays the Auezov University logo (a stylized 'A' with a flame) and the text 'AUEZOV UNIVERSITY 1943'. Below this, it states 'ПОЗИЦИЯ AUEZOV UNIVERSITY СРЕДИ 1183 ВУЗОВ МИРА' and '253-МЕСТО' in large blue letters. The bottom-right quadrant states 'ПОЗИЦИЯ AUEZOV UNIVERSITY СРЕДИ 18 ВУЗОВ РК' and '2-МЕСТО' in large blue letters.

## Approach to waste recycling

When solid waste is burned and buried, large amounts of methane are released. To solve the problem and reduce emissions, the university is taking the following measures:

- selection and composting of organic waste;
- recycling system;
- introduction of systems for reusing goods.

## Our Commitments

- Do everything we can to prevent global temperatures from rising more than 1.5°C.
- Reduce greenhouse gas emissions to zero by at least 2050.
- By 2030, global emissions should be reduced by at least half compared to 2010.
- Stop using fossil fuels (coal, oil and gas) as quickly as possible.
- Ensure that any measures to combat climate change are implemented in a way that does not violate anyone's rights and reduces, rather than increases, inequality.
- Ensure that everyone, and in particular those affected by climate change or the transition to a decarbonized economy, are properly informed of what is happening and can participate in decisions affecting their future.
- Collaborate with each other to manage the impacts of climate change fairly.



Conducting the outcome, Some science tells us that globally we need to achieve net-zero emissions by 2050 to avoid the most severe catastrophic impacts of climate change. However, moving the world on the trajectory required to achieve this goal is extremely difficult. This will require a paradigm shift, and the next industrial revolution will affect every sector of the global economy and every aspect of society. It can be said that we are currently at a critical juncture in global recovery efforts, and countries around the world need to focus more deeply on how to dynamically coordinate health, low-carbon development and technological innovation, strengthen international cooperation and common thinking, so that to promote and consolidate the results of the global green recovery so that human development is on a healthy, green and secure path.

