



BAITURSYNULY  
UNIVERSITY

CLIMATE CHANGE

# POLICY

OF NON-PROFIT LIMITED COMPANY  
AKHMET BAITURSYNULY KOSTANAY REGIONAL UNIVERSITY

# INTRODUCTION

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The University acknowledges the relevance and severity of the global challenge posed by climate change.

Climate change is currently identified as one of the most significant and complex threats to the sustainable development of the global community. Its consequences impact economic, social, and environmental spheres, exacerbating existing risks and creating new challenges for states and societies. In the 2030 Agenda for Sustainable Development, climate change is explicitly recognized as one of the greatest challenges of our time. It is emphasized that its negative impacts – including increased extreme weather events, the degradation of natural ecosystems, resource depletion, and intensifying socio-economic inequality – substantially undermine the ability of all nations to achieve the Sustainable Development Goals.

Recognizing the scale and significance of these challenges, Non-Profit Limited Company Akhmet Baitursynuly Kostanay Regional University is committed to playing a leading role in education, scientific research, and public initiatives focused on developing and implementing innovative solutions for climate change mitigation and adaptation. Particular emphasis will be placed on interdisciplinary research, the education and training of highly qualified specialists, fostering an environmental culture, and the promotion of the principles of rational and sustainable management of natural resources.

Thus, Non-Profit Limited Company Akhmet Baitursynuly Kostanay Regional University regards its activities not only as an educational mission but also as a significant contribution to global efforts aimed at ensuring environmental sustainability and the well-being of future generations.

## KEY GOALS AND POLICY PRIORITIES

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The University focuses on:

- Training a new generation of specialists equipped with profound theoretical knowledge and practical skills to effectively address contemporary environmental and climate challenges.
- Developing and implementing robust systems and approaches to monitor and reduce the carbon footprint, while ensuring the rational use of all university resources.
- Actively engaging students, faculty, and university partners in various initiatives and projects aimed at environmental protection and the promotion of sustainable development principles.
- Fostering energy efficiency skills and the adoption of environmentally friendly technologies within the university community.

## UNIVERSITY ACTIONS TO ADDRESS CLIMATE CHANGE

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The University has set a strategic goal to become a leader in environmental sustainability. Active efforts in this direction are already underway.

In recent years, the following research projects have received funding through competitive grant programs held by the Ministry of Science and Higher Education of the Republic of Kazakhstan:

1. AP25794477: Development and scientific justification of adaptive strategies using predictive models to increase agricultural resilience under climate change conditions.
2. BR24992839: Study of the impact of ecotoxicants and innovative agrotechnologies on agricultural lands and products of Kostanay region.
3. AP19680147: The impact of fires and analysis of methods for restoring the forest ecosystem of the Amankaragai forest in the northern region of the Republic of Kazakhstan.

4. BR21881993: «Creation of a system for operational monitoring of water resources and environmental control of hydraulic engineering structures in Northern Kazakhstan.

This has enabled the implementation of research initiatives targeted at priority scientific and socio-economic objectives, while simultaneously enhancing the University's research potential and infrastructure.

Great emphasis is placed on actively involving students in environmental initiatives. To achieve this, the University hosts various educational events, implements research projects, and coordinates volunteer and awareness-raising programs designed to cultivate environmental stewardship among young people.

The University is home to the 'Eco Life' environmental club (LINK), a hub for students dedicated to nature conservation and environmental sustainability. The club facilitates environmental campaigns, awareness initiatives, and collaborative events designed to foster an eco-conscious culture both within the student body and the wider community. It serves as a platform for exchanging ideas, implementing student-led initiatives, and engaging students in practical solutions to environmental challenges.

## **INNOVATIONS WITH MINIMAL ENVIRONMENTAL IMPACT**

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The University develops specialized laboratories and research centers focused on addressing sustainable development issues, nature conservation, and reducing the negative environmental impact of human activities. One such facility is the LabNetwork office, which conducts research on the bioleaching of non-ferrous metals, assesses soil and grain quality, and researches advanced organic waste processing technologies while carrying out other innovative environmental projects.

The University integrates innovative technologies and sustainable methodologies into the curriculum to mitigate environmental harm. This initiative cultivates ecological literacy among students and faculty, promoting a culture of environmental stewardship.

The University facilitates the participation of students and researchers in international environmental projects, fostering knowledge exchange and the adoption of best practices in sustainable development. For example, the head of the 'Eco Life' student environmental club was honored as the 'Best Environmental Volunteer of the Kostanay Region' in December 2025 for her outstanding leadership and contribution to environmental protection.

## **RATIONAL RESOURCE MANAGEMENT**

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Non-Profit Limited Company Akhmet Baitursynuly Kostanay Regional University actively implements rational and efficient resource management across all its facilities. Our initiatives focus on water conservation, energy optimization, and the sustainable use of natural materials, all aimed at minimizing the University's environmental footprint.

A comprehensive waste management strategy is currently being implemented to significantly reduce waste generation, increase recycling rates, and phase out single-use items.

## **CONCLUSION**

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Non-Profit Limited Company Akhmet Baitursynuly Kostanay Regional University is committed to the steady reduction of its environmental footprint, particularly in water and energy use while implementing sustainable recycling and material reuse practices.

Furthermore, the University prioritizes raising awareness among students, staff, and the local



community regarding climate change and sustainable development. Through specialized educational programs and initiatives, the University fosters environmentally responsible and conscious behavior.