

KHALEL DOSMUKHAMEDOV ATYRAU UNIVERSITY





Atyrau University named after H. Dosmukhamedova contributes to the achievement of the UN Sustainable Development Goal No. 13 "Combating climate change" through environmental education, scientific research, the development of ecological culture, participation in greening initiatives and support for activities aimed at adapting to climate change and reducing environmental risks.



Environmental initiatives and landscaping



An important area of the university's activity is the implementation of environmental initiatives aimed at reducing the negative impact on the environment and improving the environmental situation in the region. As part of the republican campaign "Taza Kazakhstan", 35 fruit trees were planted on the territory of the university. The event was attended by the university's management, teachers and students.

An additional contribution to the development of ecological culture was made by the regional forum "Taza Kazakhstan – as a basis for environmental safety and sustainable development", which brought together schoolchildren, students and teachers to discuss climate change, rational use of natural resources, waste management and the introduction of green technologies.

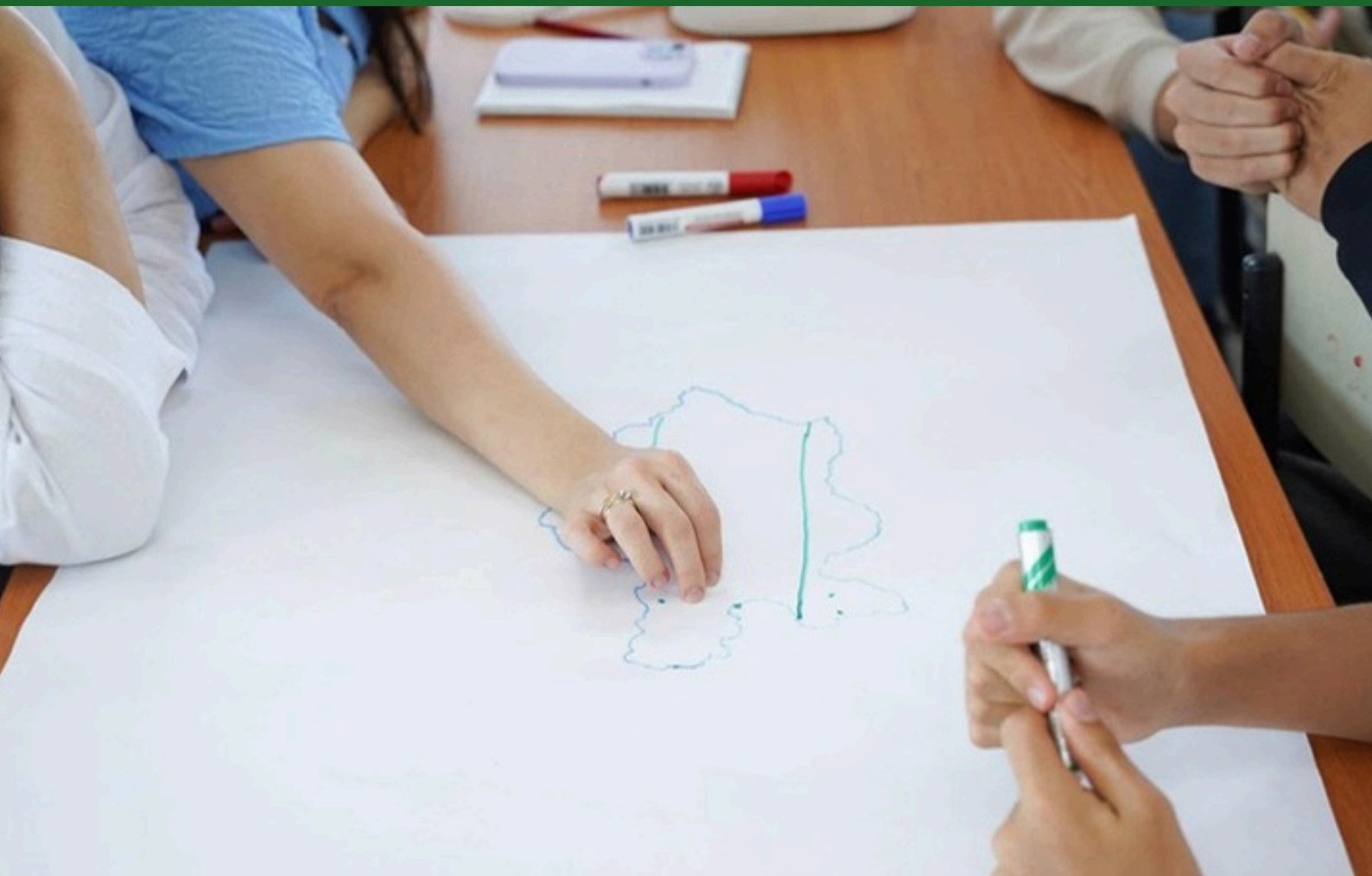


Climate education and enlightenment

The University is actively developing educational initiatives aimed at raising youth awareness of climate challenges.

The University hosted the First Youth Climate Dialogue "Atyrau Youth: Climate Change and Ways of Adaptation" (Climate Talks). During the event, participants discussed the effects of climate change, adaptation to new environmental conditions, and the role of youth in achieving sustainable development goals.

A guest lecture "Waste and Emissions Management", conducted by West Dala specialists, was also organized for students of the educational programs "Applied Ecology", "Ecoanalytics" and "Waste Management". The participants got acquainted with modern approaches to minimizing the negative impact of production activities on the environment and technologies for eliminating pollution.





Climate change research and adaptation



The university's scientific activities are aimed at studying environmental processes and finding solutions to increase the region's resilience to climate change.

Among scientific research and publications:

- Analysis of the Content of Hydrogen Sulfide in the Air of the City of Atyrau;
- Organization of innovative approaches to the introduction of water wells for rural water supply;
- Environmental-Economic Instruments of Environmental Policy;
- The role of international cooperation on environmental issues.

Considerable attention is paid to the conservation of aquatic ecosystems. Within the framework of the regional panel discussion "Joint actions, impact, experience", research was presented on the issues of reproduction of fish resources and ecosystem sustainability of the Ural-Caspian basin in the context of climate change.



Youth participation and community initiatives

The University actively engages students in public initiatives aimed at adapting to climate challenges and increasing the resilience of local communities.

During the spring floods, students and university staff took an active part in measures to protect settlements from flooding. About 50 university volunteers participated in the construction of protective structures in the settlements of Yerkindala and Kyzyl Balyk.

The work on the construction of a protective dam in the village of Almaly became especially large-scale, where 1,800 volunteer students and 200 university staff were involved on behalf of the operational headquarters of Atyrau region. During the work, about 20,000 sandbags were prepared, which were used to strengthen the 5-kilometer-long dam.

This activity has become an example of civic responsibility, social solidarity and youth participation in overcoming the consequences of extreme natural phenomena.





FUTURE STEPS TOWARDS ACHIEVING SDG 13

Atyrau University named after H. Dosmukhamedova will continue to implement initiatives aimed at increasing resilience to climate change, developing ecological culture and supporting scientific research in the field of environmental protection.

Among the priority areas of development:

- Expansion of climate and environmental education programs for students and youth;
- Development of scientific research on air quality, water resources and adaptation to climate change;
- an increase in the number of environmental actions aimed at greening the university and the city;
- Support for youth climate initiatives and volunteer projects;
- Strengthening cooperation with government agencies, scientific organizations and environmental companies;
- Development of international cooperation in the field of climate change and sustainable development;
- Improving youth's preparedness to respond to natural and climate risks;
- Implementation of the principles of sustainable environmental management and environmental responsibility in the educational process.

The implementation of these areas will allow the university to strengthen its contribution to achieving the UN Sustainable Development Goal No. 13 "Combating climate change" and contribute to shaping a sustainable future for the region.

