

SDG 13

TOGETHER, LET'S
FIGHT CLIMATE
CHANGE

13 CLIMATE
ACTION



THE GLOBAL GOALS





Introduction

In 2025, Nakhchivan State University continued to strengthen its commitment to SDG 13: Climate Action by integrating climate awareness, mitigation, and adaptation measures into institutional governance, campus operations, education, and community engagement. Recognizing climate change as a critical global and regional challenge, the University focused on reducing environmental impacts while enhancing climate literacy and resilience within the academic community.

Institutional Commitment and Governance

The University's sustainability governance framework, coordinated through the Sustainable Development Centre, played a central role in aligning climate-related initiatives with national environmental priorities and the United Nations Sustainable Development Goals. Climate action was embedded into institutional planning, ensuring coordination between academic units, administrative departments, and student organizations.

Climate Mitigation and Campus Operations

Energy Efficiency and Emissions Reduction

- In 2025, NSU continued to implement energy-efficient technologies, including LED lighting, smart energy management systems, and optimized heating and cooling practices to reduce greenhouse gas emissions.
- Building operations increasingly emphasized natural lighting and ventilation, contributing to lower energy consumption and improved indoor environmental quality.

Sustainable Mobility and Resource Use

- The University promoted environmentally responsible mobility and reduced reliance on paper through ongoing digitalization of administrative and academic processes.
- Waste reduction and recycling initiatives contributed indirectly to climate mitigation by minimizing landfill emissions and resource extraction.





Take urgent action to combat climate change and its impacts

Climate Education and Research

Climate action was actively integrated into NSU's educational and research activities:

- Curriculum Integration: Climate change, environmental protection, and sustainability topics were incorporated into relevant academic programs across faculties.
- Research Activities: Faculty members and graduate students conducted research related to climate impacts, environmental management, and sustainable development.
- Student Engagement: Student-led initiatives, seminars, and awareness campaigns helped build climate literacy and encouraged environmentally responsible behavior on campus.

Awareness, Outreach, and Partnerships

Nakhchivan State University expanded its climate action impact through community engagement and partnerships:

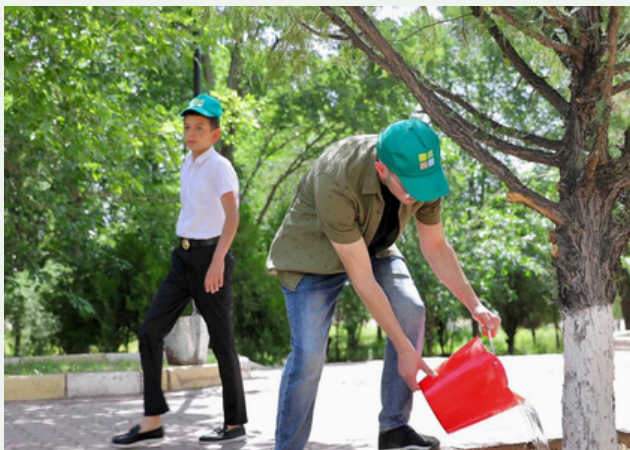
- The University collaborated with local institutions and environmental organizations to promote climate awareness and sustainable practices in the wider community.
- Scientific conferences, public lectures, and thematic events in 2025 provided platforms for dialogue on climate challenges, innovation, and policy responses at local and international levels.

Monitoring and Future Priorities

NSU continued to monitor energy use, resource efficiency, and participation in climate-related initiatives as part of its internal sustainability assessment processes.

Future priorities include:

- Strengthening climate data collection and reporting mechanisms
- Expanding renewable energy and energy-saving initiatives
- Enhancing interdisciplinary climate research and international collaboration
- Increasing student and staff participation in climate action programs







Strategic Planting for Environmental Impact

- NSU launched a large-scale Campus Tree Planting Campaign that engaged students, faculty, and staff in planting native and climate-resilient tree species across key open spaces, walkways, and recreational areas.
- The project prioritized native and drought-tolerant species, chosen for their adaptability to the local climate and ability to support native biodiversity, reduce soil erosion, and improve long-term ecological stability.

Community Participation

- The campaign was conducted as a community engagement event, drawing participation from student organizations, faculty volunteers, and local environmental partners.
- Educational workshops on tree care, ecological planning, and the climate benefits of urban greening were held in conjunction with planting days to raise awareness about the role of green infrastructure in climate mitigation and adaptation.

Ecological Benefits

- Newly planted trees contribute to carbon sequestration, helping offset campus emissions and enhancing long-term climate resilience.
- Green corridors created through tree plantings improved shade coverage, lowered ambient temperatures, and enhanced campus aesthetics — fostering a comfortable and inviting environment for the University community.

Alignment with SDGs and Future Directions

The green infrastructure and tree planting initiatives at Nakhchivan State University in 2025 directly supported the University's commitment to the United Nations Sustainable Development Goals by:

- Enhancing climate mitigation and adaptation through carbon sequestration and improved micro-climate regulation.
- Supporting biodiversity and restoration of ecological functions on campus.
- Fostering sustainability education and active community engagement within the academic environment.

Future Goals (2026–2027)

Looking forward, NSU is setting ambitious goals to deepen its climate commitment and create a more sustainable campus. Nakhchivan State University's roadmap emphasizes student involvement, educational innovation, and green infrastructure.

1. Carbon Neutral Campus Roadmap

- Conduct comprehensive baseline carbon audits in 2025 to guide future steps.

2. Climate Literacy for All

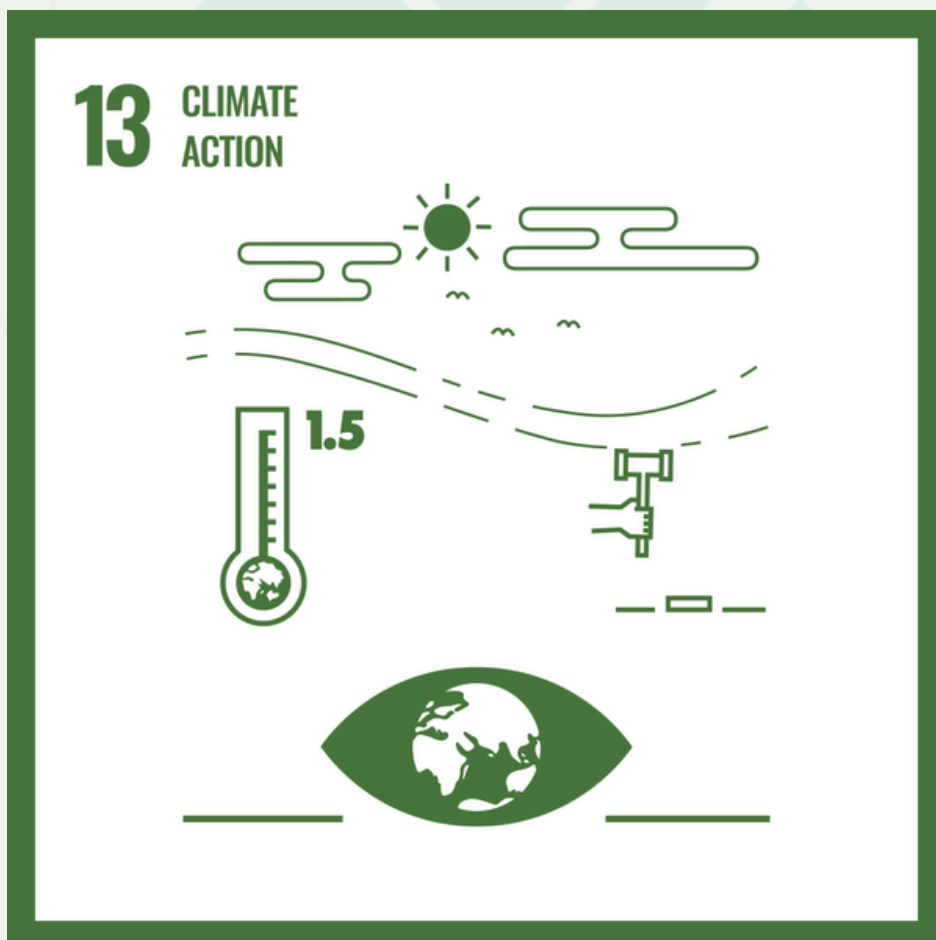
- Launch a bilingual “Climate Literacy Certificate” open to all students, regardless of their field of study.

3. Expanding Green Infrastructure

- Build a rooftop garden and install solar panels on selected faculty buildings to promote renewable energy use and biodiversity.
- Pilot green wall systems on older buildings to reduce heat absorption and improve energy efficiency.

4. Youth-Led Climate Council

- Create a student-led advisory group to shape climate policies, organize awareness campaigns, and provide annual progress updates on sustainability efforts.



Conclusion

The year 2025 represented a meaningful stage in Nakhchivan State University's ongoing commitment to SDG 13: Climate Action, reflecting the University's recognition of climate change as one of the most urgent challenges facing societies today. Through a combination of institutional governance, operational improvements, academic engagement, and community outreach, the University demonstrated a comprehensive and forward-looking approach to climate responsibility.

Central to this progress was the continued strengthening of sustainability governance through the Sustainable Development Centre, which enabled coordinated planning and implementation of climate-related initiatives across the University. By embedding climate action within institutional strategies and daily operations, Nakhchivan State University ensured that environmental responsibility became an integral component of decision-making processes rather than a standalone objective.

At the operational level, the University advanced climate mitigation efforts by improving energy efficiency, reducing resource consumption, and promoting environmentally responsible practices across campus facilities. Investments in energy-saving technologies, optimized building management, and digital solutions contributed to lowering greenhouse gas emissions and improving overall environmental performance. These measures not only reduced operational impacts but also served as practical demonstrations of climate action for students and staff.

Equally significant was the integration of climate change topics into education and research. By incorporating climate-related content into academic programs and supporting research on environmental sustainability and climate impacts, the University strengthened its role as a center for knowledge creation and dissemination. Student engagement initiatives, awareness campaigns, and scientific events further enhanced climate literacy and encouraged active participation in climate action, empowering the University community to contribute to solutions at both local and global levels.

Beyond the campus, Nakhchivan State University actively engaged with external stakeholders, including local institutions, environmental organizations, and academic partners. These collaborations expanded the reach of climate action initiatives, supported public awareness, and reinforced the University's role as a regional leader in sustainability and environmental responsibility.

In conclusion, Nakhchivan State University's efforts in 2025 demonstrate a clear alignment with SDG 13 and the broader objectives of sustainable development. By integrating climate action into governance, operations, education, and community engagement, the University not only reduced its environmental impact but also fulfilled its responsibility to educate future generations capable of addressing climate challenges. These efforts reaffirm NSU's role as a proactive, responsible, and sustainability-oriented higher education institution committed to a resilient and climate-conscious future.