

BAKU STATE UNIVERSITY



REPORT ON SDG 13

CLIMATE ACTION



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ABSTRACT

Baku State University (BSU) is actively committed to addressing climate change through a comprehensive and multifaceted approach. Currently, the university is engaged in extensive efforts to reduce greenhouse gas (GHG) emissions. This includes setting ambitious, quantifiable emissions reduction targets in alignment with global climate objectives and conducting transparent evaluations to monitor progress.

Education plays a pivotal role in BSU's strategy, with annual programs and campaigns focusing on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning systems. To ensure effective learning and understanding, climate change education is integrated into the university's curricula at all levels, embracing a holistic approach that spans various disciplines, such as climate science, policy, law, ethics, sociology, economics, and culture.

BSU is taking steps to provide specialized training through master's programs in climate change adaptation and related fields, enhancing the capacity of experts in the area. The university is actively involved in international and regional projects on climate change, including the Erasmus+ Geospatial Engineering for Climate Change Adaptation of Coastal Ecosystems. Additionally, BSU collaborates with national organizations, such as the Ministry of Ecology and Natural Resources, and constantly updates its curricula to align with international best practices.

Research and innovation are integral to BSU's commitment to sustainability and the United Nations Sustainable Development Goals. Faculty and researchers are involved in cutting-edge projects related to flood protection, early warning systems, and disaster prevention, generating research papers and policy analyses.

USED DATA

Interdisciplinary policies of BSU:

- Climate Action Policy

Legislative acts

- Order of the President of the Republic of Azerbaijan on approval of "Azerbaijan 2030: National Priorities for Socio-Economic Development"

SDG 13. CLIMATE ACTION

CURRENT SITUATION

Total energy used 39,754

Total energy used from low-carbon sources 8,000

Baku State University develops strategies based on the legal base of the State. BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives.

Education programmes or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction and early warning are conducted and updated on yearly basis. Baku State University provides the serious effort for training of specialists which according to the requirements of the modern life. To ensure effective learning and deep understanding of the subject matter, climate change education should be integrated across university curricula at all levels. The complexities of climate change require it to be addressed using a holistic approach that draws upon a range of disciplines and areas of expertise, including climate science, policy, law, ethic, sociology, economics, and culture, with the aim of an effective and inclusive knowledge sharing approach. The university is planning to provide a master's degree on Climate change adaptation and several curriculums related to climate change and adaptation in IWRM and Hydrometeorological specialties which will help for capacity building of experts on this field. BSU is a member of several international and regional projects about climate change. For example, Erasmus+ Geospatial Engineering for Climate Change Adaptation of Coastal Ecosystems. Also, the university cooperates notional organization (Ministry of Ecology and Natural Resources). According to the Erasmus project our university updated all curriculums based on international experience. Also, researchers and lecturers at university provide training and seminars for awareness.

BSU is actively engaged in cutting-edge research and innovation pertaining to sustainability and the attainment of the Sustainable Development Goals. The Climate Action Policy of BSU is founded on a profound dedication to promoting a sustainable future, which entails the integration of rigorous scholarly research and active

engagement with the community. Recognizing its position as the foremost educational establishment in Azerbaijan, BSU understands the profound impact of academics in fostering resilience, fostering creativity, and cultivating a clear comprehension of global environmental concerns. Our primary objective is to lead academic-based sustainability projects, employing knowledge to generate practical solutions that surpass geographical limitations and contribute to worldwide environmental sustainability.

Baku State University staff collaborates with the experts from different countries and participates in different flood protection, early warning, and disaster prevention projects. Within this project research papers and policy analyses were prepared. Relevant to inform and support local or regional government in local climate change disaster/risk early warning and monitoring BSU staff performs research on climate change. The result of this research provides to local organization and published for increasing of knowledge. The university collaborates with Water Experts Union and IHP Azerbaijan NGO which is dealing with climate change and its impact to water resources and increasing of public awareness.

BSU demonstrates a steadfast dedication to establishing ambitious and quantifiable objectives for the reduction of greenhouse gas (GHG) emissions, thereby aligning our endeavors with global climate objectives. Our organization will conduct regular and transparent evaluations of our greenhouse gas (GHG) emissions and provide comprehensive reports to track our advancements in meeting these objectives. Furthermore, our dedication encompasses the safeguarding and augmentation of environmentally friendly areas inside the university grounds. By actively advocating for the preservation of biodiversity and establishing suitable habitats for indigenous fauna, we are making a significant contribution to the achievement of Sustainable Development Goal 13 and the overarching objective of environmental sustainability. Our main objectives are development implementation of training of this sector in university, the preparation of mitigation actions, development of quality and climate changes, development of renewable energy sources.

KEY FINDINGS

Ambitious GHG Emissions Reduction Goals BSU has set ambitious and quantifiable greenhouse gas (GHG) emissions reduction targets, aligning its efforts with global climate objectives.

Comprehensive Education and Training BSU conducts education programs and campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction, and early warning systems.

Specialized Programs BSU plans to offer master's degree programs in climate change adaptation and related fields, contributing to capacity building for climate change experts.

International Collaboration The university is actively engaged in international and regional projects related to climate change, such as the Erasmus+ Geospatial Engineering for Climate Change Adaptation of Coastal Ecosystems.

Research and Innovation BSU faculty and researchers participate in cutting-edge projects related to sustainability, flood protection, early warning systems, and disaster prevention. As a result, in research papers and policy analyses, which are disseminated to inform and support local and regional governments.

Promoting Climate Change Awareness BSU contributes to increasing public awareness of climate change's impact on water resources and the environment through collaboration with organizations like the Water Experts Union and IHP Azerbaijan NGO.

Biodiversity Preservation The university advocates for biodiversity conservation and the creation of environmentally friendly spaces on its campus.

**Renewable Energy
Promotion**

Among its objectives, BSU aims to develop and promote renewable energy sources. These findings reflect BSU's multifaceted approach to address climate change and promote sustainability through education, research, collaboration, and advocacy.

FUTURE GOALS

By taking these future steps, BSU can continue to play a significant role in climate action, sustainability, and environmental education both locally and on the global stage. To further advance its efforts in addressing climate change and sustainability, Baku State University (BSU) can consider the following future steps:

