



**SAMARKAND STATE UNIVERSITY NAMED AFTER SHAROF RASHIDOV
(SAMDU)**

**SUSTAINABLE DEVELOPMENT GOAL 13
(SDG 13)**



As a genuine and indisputable threat to our entire civilization, climate change is the focus of SDG 13. If we do nothing now, the results will be disastrous and already apparent. We are capable of bringing about the reforms required to safeguard the environment via innovation, education, and adherence to our climate obligations. These modifications also provide enormous potential for modernizing our infrastructure, which will lead to the creation of new jobs and increased wealth worldwide.

Extreme weather events like heat waves, droughts, floods, and tropical cyclones are occurring more frequently and with greater intensity due to climate change. It is also making water management issues worse, decreasing agricultural productivity and food security, raising health risks, destroying vital infrastructure, and disrupting the delivery of essential services like energy, water and sanitation, education, and transportation.

The republic of Uzbekistan is located in an area with an arid environment. The area is mostly covered in desert. The remaining area, though, faces the prospect of desertification and a shortage

of water supplies. Administrators, scientists, and other stakeholders must thus give it their urgent attention in order to adopt the required measures to prevent climate change.

One of the top institutions that actively addresses climate variables and communicate them to society through annual events is the first and foremost priority of Samarkand State University. The university also has the following goals:

1. Strengthen resilience and adaptive capacity.
2. Integrate climate change measures into university policies, strategies, and planning.
3. Integrate climate education into our curriculum, syllabus, and research.
4. Promotional events and exhibitions about climate issues.
5. Building capacities to address climate issues in an appropriate way.

Metrics

13.2.1 - Does your university as a body measure the amount of low-carbon energy used across the university?

The university implements its policy to reduce energy usage by opting for highly efficient electronic gadgets, street lights, inside lighting, and providing water supply. We measure our energy usage by classifying it into two groups.

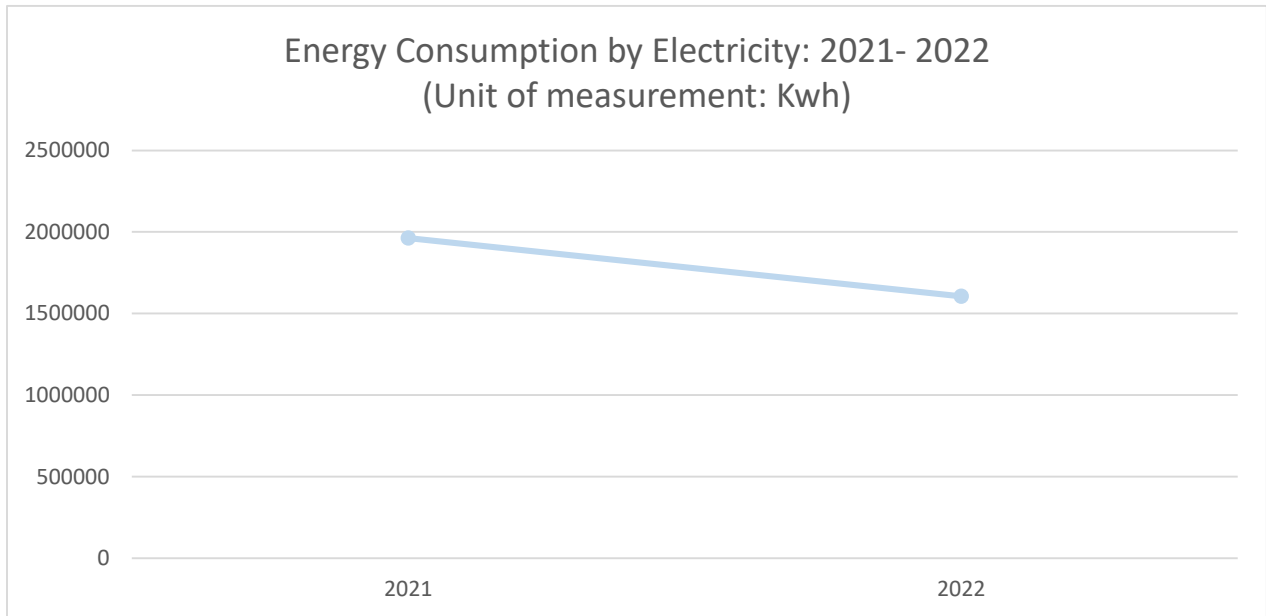
1. Non-renewable energy
2. Renewable energy



The university promotes and uses low-carbon energy resources. Currently, university is expanding its carbon neutral plan by installing the photovoltaic plates on roofs of the all buildings.



Below graph shows that university is not only tracking the energy consumption but also adopting



measures to reduce it consistently.

13.3.1 - Does your university as a body provide local education programmes or campaigns on climate change risks, impacts, mitigation, adaptation, impact reduction and early warning?

Faculty of biology, chemistry, physics, geography, ecology, and information technology work consistently to develop climate resilience. They organize many awareness campaigns and events to provide necessary information about climate issues. Management of natural resources and exploring innovative ways to solve climate issues, the university organizes many national and international events. Further, these events telecast on the university telegram channel. In the current scenario, the university's telegram channel is subscribed by more than 13000 people across the country.

We also promote our climate-related events on LinkedIn, Instagram, and YouTube channels for wide circulation and publication.



A workshop was organized by the University of California's professors on water resources and its management by opting modern technology.

13.3.2 - Does your university as a body have a university Climate Action plan, shared with local government and/or local community groups?

Samarkand State University is determined to become a carbon-neutral university in Uzbekistan as well as Central Asia. It is evident that the university promotes sustainable practices at all its campuses, administrative buildings, and residential complexes. Climate change has become a consistent worldwide threat, posing an impact at local, regional, national, and international scales. A university consists of students, teachers, and staff from around the world, it is our basic responsibility to estimate carbon emission and establish some practices to reduce it to support the community that support Samsu. Decarbonization is a complex issue and needs some sort of scientific practices on industry-leading methods and technology. To accomplish this task, Samarkand State University has documented its principles, objectives, methods, and technology in the current policy for combating climate effects in the form of a climate action plan. For many decades, there was no policy for reducing GHG emissions. Therefore, it will be a challenging task, that requires the support and collaboration from all members of Samarkand State University. Many tools and methods will be discussed and adopted to create an efficient path for reducing GHG at the university. Climate Action Plan (CAP) should be considered as a living document that requires to update continuously to reflect completed projects, next steps, changes in best methods and technologies.

Samarkand State University has worked on its climate plan for 2022- 2023. This plan states the university’s priorities, strategies, planning, and execution for integrating climate variables deeply.

13.3.3 - Does your university as a body participate in co-operative planning for climate change disasters, that may include the displacement of people both within a country and across borders, working with government?

In order to act, develop strategies, and create plans in tandem with national and international educational, scientific, and legal organizations, Samarkand State University named after Sharof Rashidov is reaching out to them. On the other side, we also offer complete assistance to national and international organizations in order to help them organize coordinated measures to address climate change and prevent natural disasters.

Currently, Samarkand State University is cooperating with many national and international organizations including Ministry of Emergency Situations, the Republic of Uzbekistan, Ministry of Ecology, environmental protection and climate change, the Republic of Uzbekistan, and United Nations Development Program (UNDP) & United Nations Environmental Programs (UNEP).



13.3.4 - Does your university as a body inform and support local or regional government in local climate change disaster/risk early warning and monitoring?

The Faculty of Geography and Ecology of Samarkand State University works with local government on local and regional climate change. During the work, they both (Faculty of Geography and Ecology & Hydrometeorology Department of Government of Uzbekistan) work together on data collection, analysis, and research. Further, they inform their activities through national media to the common public on climatic disturbances and regular reporting.

Khudoyarova Shakhnoza prepares, analyze and read the telecast for delivering the climate related news to common public. This work is done under the auspicious supervision of our professors and scientists of Hydrometeorology department of Government of Uzbekistan.

13.4.1 - Does your university as a body have a target date by which it will become carbon neutral according to the Greenhouse Gas Protocols?

We release a Sustainable Development Report every year to forecast our ambitions to become a carbon-neutral university. We are determined to become a zero-carbon university. For this purpose, Samarkand State University launched its sustainability plan, zero-emission, sustainable procurement, climate events, green campus initiative, courses on sustainability, and many more. As per the current rate of renewal energy production and implementation of efficient low-carbon technology, it is planned that the university will be carbon neutral by 2030.

https://www.samdu.uz/upload/content-files/Samdu_Sustainability%20Report%202022_final.pdf