

**AZERBAIJAN STATE OIL AND INDUSTRY
UNIVERSITY**

SDG – 11 REPORT



Sustainable urban development is a critical challenge in today's rapidly urbanizing world. As a prominent institution in Baku, ASOIU acknowledges its pivotal role in promoting SDG 11 through education, research, and community engagement. This report delineates ASOIU's contributions and future commitments toward fostering sustainable cities and communities, emphasizing its involvement in the SABAHA.city innovation cluster.

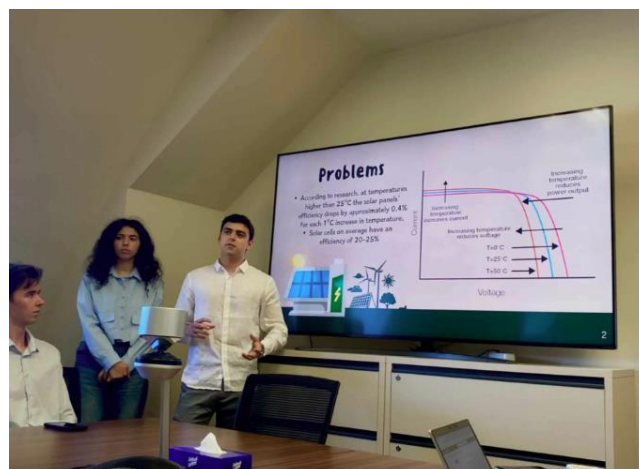
1. Campus Sustainability and Infrastructure

Energy Efficiency Initiatives:

- **Solar Panel Installation:** ASOIU has initiated the installation of solar panels on campus buildings to harness renewable energy, reducing reliance on non-renewable sources.



- **Energy Consumption Reduction:** The university has implemented policies and organized events aimed at achieving a decrease in energy use within dormitories through energy-efficient strategies. Here you can check: https://asoiu.edu.az/upload/sustainability/Sustainability_Plan_ASOIU.pdf



Waste Management:

- **Recycling Programs:** ASOIU aims to achieve trash recycling rate in all university housing, promoting waste separation and recycling practices among students and staff. Here you can check: https://asoiu.edu.az/single_news/2821



Green Spaces:

- **Campus Greening:** Efforts are underway to establish green spaces or recreational areas within at least 50% of the lodging facilities, enhancing biodiversity and providing communal areas for relaxation and social interaction. Here you can check: https://asoiu.edu.az/single_news/2638



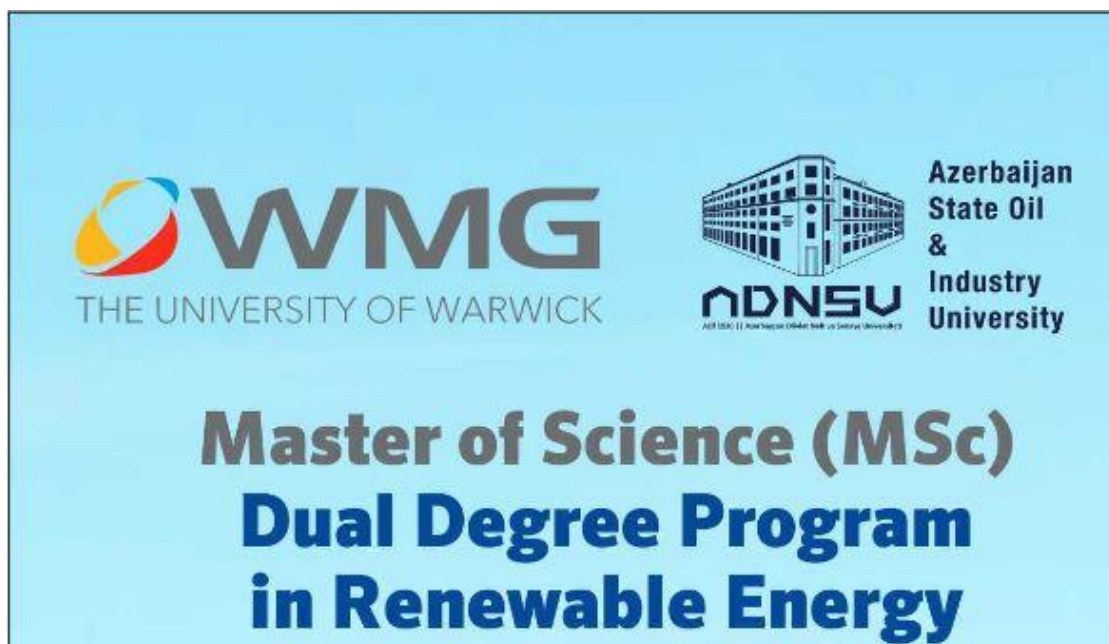
2. Academic Contributions and Research

Sustainability Research Center:

- **Interdisciplinary Research:** ASOIU's Sustainable Development Research Center conducts cutting-edge research in areas such as renewable energy, climate change mitigation, sustainable urban development, and water resource management. Here you can check: https://asoiu.edu.az/sustainability_research

Dual Degree Program in Renewable Energy:

- **Collaborative Education:** In partnership with the University of Warwick's WMG, ASOIU offers a Master of Science (MSc) Dual Degree Programme in Renewable Energy, focusing on creating a sustainable learning environment to train professionals in renewable energy technologies.



3. Community Engagement and Partnerships

International Collaborations:

- **Global Partnerships:** ASOIU actively participates in international collaborations focused on gathering and sharing data relevant to sustainability, aligning with the United Nations Sustainable Development Goals (SDGs).

Local Initiatives:

- **Climate Action Forums:** ASOIU hosted the "Times Higher Education University Impact Forum: Climate Action 2024 in Baku," bringing together university leaders, policymakers, and organizations to discuss strategies for mitigating climate change impacts.



SABAH.city Participation:

- **Innovation Cluster Engagement:** ASOIU is set to play a significant role in the SABAH.city project, an innovation cluster expected to launch in 2026. This initiative, in collaboration with the Ministry of Science and Education and key stakeholders, aims to create a hub for research, development, and innovation. ASOIU's involvement will include relocating selected SABAH groups specializing in IT, engineering, and science to the SABAH.city campus, fostering a synergy between education and industry.



4. Environmental Cleanup Activities

"Protect the Caspian" Campaign:

- **Coastal Cleanup:** On September 24, faculty members and students from ASOIU and the French-Azerbaijan University (UFAZ) participated in a coastal cleaning event on the Shikh beach of the Caspian Sea. This initiative, organized within the framework of "International Maritime Day" and "Caspian Week," resulted in the cleaning of nearly 2 hectares of land, emphasizing the importance of environmental stewardship. Here you can check: <https://www.ufaz.az/en/news/asoiu-and-ufaz-teama-joined-the-protect-the-caspian-campaign/>



IDEA Public Union Collaboration:

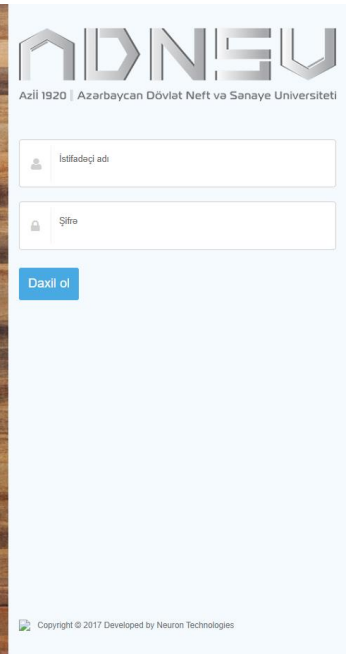
- **Shuvalan Beach Cleanup:** ASOIU collaborated with IDEA Public Union in a coastal cleanup campaign at Shuvalan Beach. Volunteers, including students and faculty, collected approximately two tons of waste, which was sent to the Balakhani Solid Waste Sorting Plant. This effort aimed to promote cleanliness on the sea coast and prevent pollution of coastal areas with household waste.



5. Innovation and Digital Tools for Urban Sustainability

Technological Integration:

- **Digital Platforms:** ASOIU integrates digital platforms and tools in sustainability research and education, fostering innovation in urban sustainability practices. Here you can check: <http://lms.asoiu.edu.az/adnsuEducation/login.jsp>



6. Challenges and Opportunities

Challenges:

- **Resource Constraints:** Limited funding and space pose challenges to expanding sustainability initiatives on campus.

Opportunities:

- **Green Innovation Hub:** Plans are underway to establish a green innovation hub to foster sustainable technologies and practices.
- **Enhanced Partnerships:** ASOIU aims to strengthen collaborations with local municipalities and international organizations to advance urban sustainability projects.

- **SABAH.city Collaboration:** The partnership with SABAH.city presents an opportunity to integrate academic programs with real-world applications, enhancing the practical skills of students and contributing to the innovation ecosystem.

7. Conclusion and Future Vision (2025–2029)

ASOIU remains steadfast in its commitment to advancing SDG 11 through comprehensive sustainability initiatives encompassing campus infrastructure, academic research, and community engagement. The collaboration with the SABAH.city innovation cluster represents a strategic move to integrate educational excellence with practical innovation, contributing to the development of university.