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UI GreenMetric Questionnaire

University : Baku State University
Country : Azerbaijan
Web Address : <http://bsu.edu.az/en>
SDG Focused Web Address: <https://sdg.bsu.edu.az/>

[6] Education and Research (ED)

[6.14] Number of university sustainability program(s) with international collaborations (ED.7)

Memberships OF BSU



Climate Action Network for International Educators – CANIE <https://canie.org/>



The Association for the Advancement of Sustainability in Higher Education (AASHE)-
<https://aashe.users.membersuite.com/community/directory>



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WAITRO 

The World Association of Industrial and
Technological Research Organizations (WAITRO)
- <https://waitro.org/>

GUNi
GLOBAL UNIVERSITY
NETWORK FOR INNOVATION

GUNi (Global University Network for
Innovation) - [https://guninetwork.org/the-
network/guni-members/](https://guninetwork.org/the-network/guni-members/)



ISCN
International Sustainable Campus Network

The International Sustainable Campus Network – ISCN [https://international-sustainable-campus-
network.org/](https://international-sustainable-campus-network.org/)

FUTURE17

Sustainable Development Goals
Challenge Program



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Clean-Charge Project



stations aim to address key challenges faced by EV drivers, offering fast and reliable charging at home, within urban centers, on intercity routes, and in remote areas. Beyond national implementation, the project seeks to establish international partnerships with research institutions, clean energy technology

The *Clean-Charge* initiative is designed to provide fast-charging solutions for electric vehicles (EVs) powered entirely by green energy, even in locations without direct access to the electricity grid. The proposed charging





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developers, and EV manufacturers to share knowledge, jointly develop advanced solutions, and promote global best practices in sustainable transportation. This system is positioned as a safer, more environmentally sustainable, and cost-effective alternative to existing charging solutions.

Smart Irrigation Technology (SmAgTech) Project

The *SmAgTech* project aims to develop a cost-efficient, high-quality smart irrigation technology and rigorously evaluate its practical effectiveness. The initiative emphasizes optimizing water usage while



minimizing financial investment, providing sustainable solutions for modern agriculture. The project actively seeks collaboration with international agricultural research centers, technology innovators, and environmental organizations to exchange expertise, pilot new approaches across diverse climates, and integrate global best practices in smart irrigation.

Importance of Startups and Future Inclusive Technologies



During the session on *Importance of Startups and Future Inclusive Technologies*, multiple proposals were presented to leverage innovation and creativity to address future societal challenges, including sustainability, economic development, and social welfare. Baku State University (BSU) is positioned as a hub for international collaboration, facilitating knowledge sharing and partnerships across borders. Proposed initiatives include:



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- Establishing a joint international Startup Incubator
- Launching global innovation exchange programs to strengthen Industry-University research collaborations
- Organizing entrepreneurship camps and inclusive technology seminars with international participants
- Developing internship programs that include placements at foreign partner institutions
- Awarding joint research grants in collaboration with international universities and industry partners
- Announcing annual innovation calls with global reach
- Forming University-Industry Advisory Councils that include international experts



Student Scientific and Technical Creativity Center



Established on June 24, 2022, the Student Scientific and Technical Creativity Center at BSU fosters innovation, scientific inquiry, and applied research skills among students. Its primary mission is to engage highly talented and motivated students in a wide range of projects, unlocking creative potential, enhancing critical thinking, and stimulating research motivation. Over the past two years, students have conducted research across diverse scientific disciplines, reinforcing their academic knowledge. By integrating international collaboration, the Center enables students to participate in joint research projects, exchange programs, and global competitions, gaining exposure to best practices in innovation and applied research worldwide. This approach prepares students to excel in national and international scientific and technological arenas.



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The Center offers specialized groups in:

- Electronics
- Materials Science and Chemical Engineering
- IT, Programming, and Artificial Intelligence
- Mechanics, Mechatronics, and Robotics Engineering
- Ecological Engineering
- Astrophysics and Space Sciences



IX Ecological Forum Program Competition



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The IX Ecological Forum, held under the "Green Network" environmental awareness program, engaged ecoclub members from BSU's "Young Talents" High School. With support from the State Agency for Preschool and General Education, the Ministry of Science and Education, the Republic Child and Youth Development Center, and the "EkoSfera" Social Ecological Center, students Rukhsara Zamanli, Farah Azizi-Meshkin, and Samira Jafarli won the "Consumption" category in the "Challenge for Sustainable Lifestyle" innovative start-up

competition. The forum aligns with the UN COP30 and the "Year of Solidarity for a Green World," enhancing schoolchildren's understanding of climate change, environmental health, green energy, biodiversity protection, and international sustainability practices.

Program Session of Baku Water Week



The "SAP Hydrogel-based Smart Irrigation System," presented by Ilyas Nasibov, Director of BSU's Student Scientific and Technical Creativity Center, won one of the three top programs at the Baku Water Week International Water Management Exhibition and Conference. The system leverages IoT technologies to optimize water consumption in agricultural fields and greenhouses, monitoring parameters such as soil moisture, temperature, CO₂ levels, and photosynthetically active radiation via a mobile app.

The program promoted **international knowledge exchange** with 90 companies from 16 countries, sharing insights on water management, sustainable agriculture, and modern irrigation technologies.



Viveka Company Creation Program



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The 3rd cohort of the “Viveka Company Creation Program,” delivered by Turkey’s strategic innovation consultancy Viveka, with support from the Innovation and Digital Development Agency (IRIA) and PASHA Holding, provides BSU students with entrepreneurial training and mentorship. The program equips participants with theoretical and practical knowledge in technology, law, finance, marketing, and other fields, enabling teams to develop and validate a No-Code Minimum Viable Product (MVP). Participation fosters international collaboration, exposing students to global best practices in startup development and cross-border innovation.

Dedicated Micromobility Lanes at BSU



BSU has established dedicated lanes for bicycles and small electric vehicles at its main entrance, in line with the State Program for the Improvement of Transport Infrastructure (2025–2030). Secure parking has been provided alongside these lanes. This initiative promotes **sustainable urban mobility** and environmental safety, and BSU actively collaborates with **international experts** in urban transport and micromobility planning to implement global best practices.





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EcoEnergy Station & EV Charge Show Participation



BSU inaugurated an EcoEnergy Station, powered by solar and wind energy, in partnership with the Small and Medium Business Development Agency (KOBIA). The station provides eco-friendly EV charging with a 22 kWh capacity, aiming to reduce carbon emissions and support SDGs. BSU also participated in the “EV Charge Show” in Istanbul, showcasing projects including the “SuperCapBack Hybrid Battery” and “Clean-Charge Fast Charging Station,” and

reached the finals of the “E-Mobility Innovation and Startup Competition.” These initiatives highlight **international collaboration** with global EV manufacturers, clean energy innovators, and research institutions.



Eco Space Project



“Eco Space” promotes SDGs by supporting quality education (SDG-4), sustainable cities (SDG-11), climate action (SDG-13), biodiversity conservation (SDG-15), and partnerships (SDG-17). Developed in collaboration with Bayramli Group, LU-MUN Holding, Azecolab, and supported by the Ministry of Ecology and Natural Resources, the project engages students in volunteer programs and ecological initiatives, fostering **international partnerships** to bring

advanced environmental practices to Azerbaijan and share local innovations globally



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SDG Week – Goal 13 Event: Combating Climate Change



During SDG Week, BSU's Student Trade Union Committee organized an event on Goal 13 — "Combating Climate Change" — at the National Hydrometeorology Service. The session emphasized **global climate cooperation**, connecting students and stakeholders with international frameworks and





knowledge on climate resilience and environmental sustainability.

Carbon Management and Energy Efficiency at BSU

BSU has implemented robust carbon management and energy efficiency measures, including regular energy reviews and mitigation of energy wastage. These initiatives support global climate commitments and SDGs, while fostering **international collaboration** through knowledge sharing with universities and organizations worldwide on sustainable energy management.



ECOLEAD Project – Tree Planting Campaign

As part of the ECOLEAD project, a tree-planting campaign was organized in Surakhani, Baku, in honor of the 102nd anniversary of National Leader Heydar Aliyev. Over 500 trees were planted on 2 hectares, with 2,200 trees planted across 10 hectares since 2024. The project is jointly implemented by the Prosecutor General's Office, Ministry of Ecology and Natural Resources, BSU, Nakhchivan State University, and Karabakh University. ECOLEAD fosters **international environmental collaboration** by promoting sustainable urban greening practices in alignment with global standards.





SDG Student Ambassadors Program



Launched by BSU's "BSU Volunteers" organization, the SDG Student Ambassadors Program trains students to raise awareness of the Sustainable Development Goals. Each faculty selects two ambassadors who receive mentorship and professional training. The program encourages international cooperation by linking student initiatives with global SDG networks, fostering cross-border knowledge exchange and youth engagement in sustainable development projects.

Additional evidence link (e.g. for videos, more images, or other files that are not included in this file):

❖ Memberships & institutional networks

- ❖ BSU has become a member of the CANIE network to strengthen international cooperation in addressing climate change in higher education.
<http://sdg.bsu.edu.az/canie-membership>
- ❖ BSU was selected as a full member of the Global University Network for Innovation to enhance its global academic collaboration and sustainability efforts.
<http://sdg.bsu.edu.az/news/bsu-has-been-selected-as-a-full-member-of-the-global-university-network-for-innovation>
- ❖ BSU joined the International Sustainable Campus Network to support and develop sustainable practices in higher education institutions.
<http://sdg.bsu.edu.az/news/bsu-joins-the-international-sustainable-campus-network>
- ❖ BSU became a member of AASHE to strengthen its commitment to sustainability in higher education through international cooperation.
<http://sdg.bsu.edu.az/aashe-membership>
- ❖ BSU joined the CANIE global academic network to support collaborative efforts in combating climate change.
<http://sdg.bsu.edu.az/news/bsu-has-joined-the-global-academic-network-canie-to-combat-climate-change>
- ❖ BSU became a member of WAITRO to enhance international research and innovation cooperation in science and technology.
<http://sdg.bsu.edu.az/waitro-membership>



- ❖ BSU became a member of the Global University Network for Innovation (GUNI) to strengthen its engagement in international collaboration and sustainable development initiatives in higher education.

<http://sdg.bsu.edu.az/guni-membership>

Climate, SDG and International Sustainability Events

-  A global dialogue simulation on sustainable development was organized at Baku State University, engaging students in international cooperation and sustainability challenges.
<http://sdg.bsu.edu.az/news/global-dialogue-for-sustainable-development-simulation-at-bsu>
-  An event on COP29 and global climate change was held to strengthen international awareness and collaboration on climate issues.
<http://sdg.bsu.edu.az/news/event-on-cop29-and-global-climate-change-at-bsu>
-  An international scientific conference on food and water security promoted global collaboration on sustainable resource management.
<http://sdg.bsu.edu.az/news/an-international-scientific-conference-on-the-topic-application-of-modern-equipment-and-methods-in-improving-food-and-water-security-is-being-held-at-bsu>
-  An international conference was organized within the framework of Baku Climate Action Week to address sustainability and climate solutions.
<https://sdg.bsu.edu.az/news/an-international-scientific-conference-has-been-held-organized-by-bsu-as-part-of-baku-climate-action-week>
-  The national youth climate statement was adopted within an international UN framework, supporting global climate cooperation.
<http://sdg.bsu.edu.az/news/national-youth-climate-statement-of-azerbaijan-adopted-at-the-un-local-conference-of-youth-on-climate-change>
-  BSU conducted joint SDG training with an international partner university to strengthen global academic cooperation.
<http://sdg.bsu.edu.az/news/bsu-and-satbayev-university-of-kazakhstan-held-a-joint-training-on-the-implementation-of-sdgs>
-  An international event on SDGs and university cooperation highlighted global partnerships in sustainable development.
<http://sdg.bsu.edu.az/news/within-the-framework-of-cop29,-an-event-titled-sustainable-development-goals-and-universities-international-cooperation-experience-has-been-held>
-  The UN Local Conference of Youth (LCOY) was hosted to promote international youth engagement in climate action.
<http://sdg.bsu.edu.az/news/opening-ceremony-of-the-un-local-conference-of-youth-on-climate-change--lcoy-azerbaijan-2025-held-at-bsu>
-  Events on green economy, climate action, and SDG training supported awareness and implementation of sustainability goals.



<http://sdg.bsu.edu.az/news/an-event-titled-green-economy-held-at-bsu>

<https://sdg.bsu.edu.az/news/climate-action-and-change-day> <https://sdg.bsu.edu.az/news/a-training-titled-student-contribution-to-sdg-was-organized-at-bsu>

➤ **Sustainable Technology, Energy and Environmental Projects**

- An EcoEnergy Station was established in collaboration with national stakeholders to promote renewable energy solutions and sustainable campus practices.
<https://sdg.bsu.edu.az/news/bsu-and-kobia-open-ecoenergy-station-on-campus>
- Activities on renewable energy and future sustainability perspectives were conducted to promote green innovation.
<https://sdg.bsu.edu.az/news/informative-meeting-on-renewable-energy-projects-and-future-perspectives>
- A seminar on carbon credit markets explored international mechanisms for climate action and sustainable economic systems.
<https://sdg.bsu.edu.az/news/scientific-seminar-at-bsu-carbon-credit-market-and-potential-opportunities>
- Research on solar energy potential contributed to sustainable energy development and environmental planning.
<https://sdg.bsu.edu.az/news/scientific-seminar-held-assessment-of-the-solar-energy-utilization-potential-in-the-east-zangezur-economic-region>
- The IRRIGO project focuses on sustainable agriculture, efficient water use, and ecosystem management.
<https://sdg.bsu.edu.az/news/the-project-irrigo--sustainable-agricultural-ecosystem-which-will-be-established-on-the-bbsu-campus,-will-be-featured-in-the-finals-of-the-tekno fest-2025-shc>

❖ **Student Innovation, Startups and International Collaboration**

- ❖ A BSU student team achieved success at the international TEKNOFEST competition with a sustainability-oriented project.
<https://sdg.bsu.edu.az/news/tekno fest-2025-winner-bsu-team-warmly-welcomed>
- ❖ Students developed startup ideas applying artificial intelligence in precision agriculture to support sustainable farming.
<https://sdg.bsu.edu.az/news/bsu-students-present-their-startups-within-the-project-application-of-artificial-intelligence-in-precision-agriculture>
- ❖ BSU introduced the international “Green and Digital Silk Road” startup acceleration program supporting sustainable innovation.
<https://sdg.bsu.edu.az/news/information-session-on-the-international-startup-acceleration-program-green-and-digital-silk-road-at-bsu>
- ❖ BSU participated in an international sustainability exhibition showcasing innovative environmental solutions.



<https://sdg.bsu.edu.az/news/bsu-participates-in-sustainability-exhibition-art-and-innovation-for-the-planet>

- ❖ BSU was represented at an international entrepreneurship expo to strengthen global innovation collaboration.

<http://sdg.bsu.edu.az/news/bsu-represented-at-pakistans-largest-entrepreneurship-expo>

- ❖ The ECOLEAD initiative supports sustainability through research, environmental action, and international collaboration.

<https://sdg.bsu.edu.az/news/establishment-of-the-ecolead-clinic-at-bsu>

- ❖ Training programs, forums, and research activities on AI, nanotechnology, and environmental sustainability promote innovation and global cooperation.

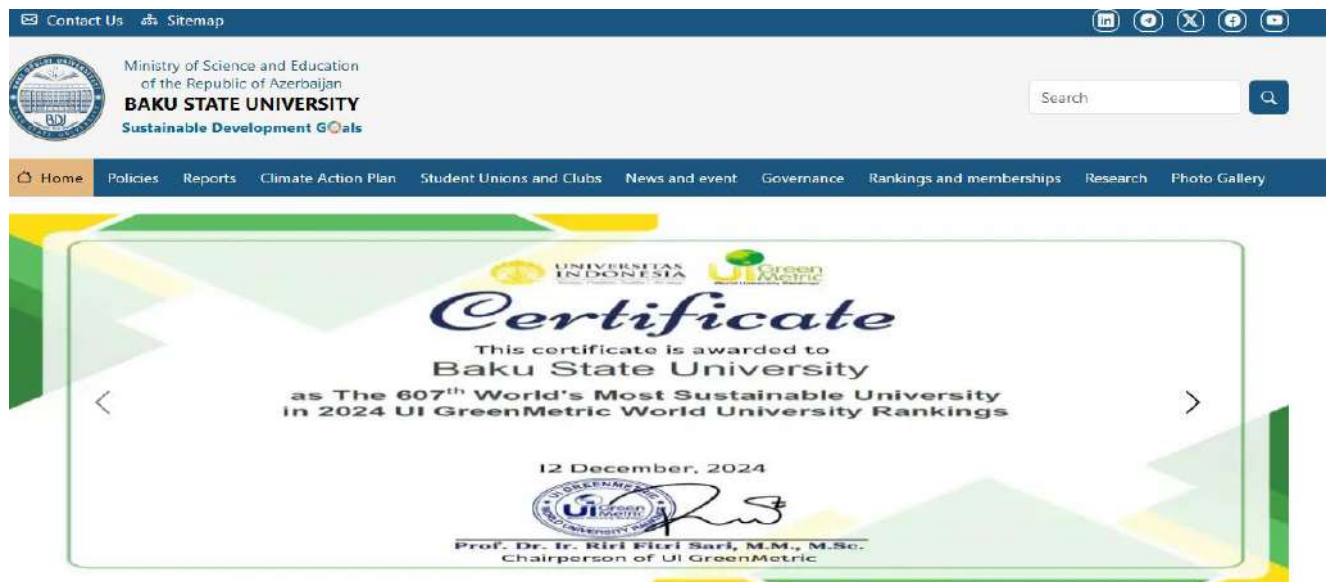
<https://sdg.bsu.edu.az/news/the-series-of-trainings-dedicated-to-the-integration-of-sdg-into-education-and-research-at-bsu-has-been-successfully-completed>

<https://sdg.bsu.edu.az/news/the-first-youth-forum-on-artificial-intelligence-ethics-held-at-bsu>

<https://sdg.bsu.edu.az/news/bsu-students-conduct-scientific-research-on-nanotechnologies-and-environmental-safety>

<https://sdg.bsu.edu.az/news/methodology-for-calculating-biomass-and-carbon-sequestration-potential-in-azerbaijan-forests-brochure-published-by-bsu-staff>

➤ **BSU Sustainability Framework, Policies, Reports and Institutional Commitments**



- A mandatory training on environmental sustainability was conducted for BSU staff and students to promote sustainable practices across the university.

<https://sdg.bsu.edu.az/news/dedicated-mandatory-training-on-environmental-sustainability-for-staff-and-students>



- The official SDG portal of BSU provides comprehensive information on the university's sustainability initiatives, activities, and progress.
<http://sdg.bsu.edu.az/>
- This page outlines BSU's institutional policies supporting the implementation of Sustainable Development Goals.
<http://sdg.bsu.edu.az/university-policies>
- The SDG Reports section presents BSU's documented progress and achievements in advancing sustainable development goals.
<https://sdg.bsu.edu.az/sdg-reports>
- The Research Center page highlights BSU's scientific activities and research contributions related to sustainability.
<https://sdg.bsu.edu.az/research-center>
- This page provides a collection of all SDG-related news and activities organized at BSU.
<https://sdg.bsu.edu.az/allnews>
- This section presents BSU's commitment and strategic approach to implementing the Sustainable Development Goals.
<http://sdg.bsu.edu.az/bsu%60s-commitment-to-sdgs>
- The Climate Action Plan outlines BSU's strategies and measures to address climate change and reduce environmental impact.
<http://sdg.bsu.edu.az/climate-action-plan-action>
- The SDG Annual Progress Report 2025 summarizes BSU's yearly achievements and initiatives in sustainability.
<https://sdg.bsu.edu.az/sdg-annual-progress-report-2025>
- This document provides a detailed overview of BSU's 2025 sustainability progress, including data, activities, and outcomes.
<https://sdg.bsu.edu.az/uploads/files/ANNUAL%20PROGRESS%20REPORT%202025.pdf>
- This report highlights BSU's initiatives and contributions to achieving SDG 4 on quality education.
<http://sdg.bsu.edu.az/report-on-sdg-4-quality-education>
- This report outlines BSU's actions and research related to SDG 6 on clean water and sanitation.
<https://sdg.bsu.edu.az/report-on-sdg-6-clean-water-and-sanitation>
- This report presents BSU's efforts toward SDG 7 on affordable and clean energy.
<https://sdg.bsu.edu.az/report-on-sdg-7-affordable-and-clean-energy>
- This report showcases BSU's activities supporting SDG 11 on sustainable cities and communities.
<https://sdg.bsu.edu.az/report-on-sdg-11-sustainable-cities>
- This report details BSU's initiatives and impact related to SDG 13 on climate action.
<https://sdg.bsu.edu.az/report-on-sdg-13-climate-action>
- This report highlights BSU's contributions to SDG 15 on protecting terrestrial ecosystems and biodiversity.
<https://sdg.bsu.edu.az/report-on-sdg-15-life-on-land>
- This report presents BSU's collaborations and partnerships with national and international institutions to support the implementation of the Sustainable Development Goals.
<https://sdg.bsu.edu.az/report-on-sdg-17-partnership-for-the-goals>



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Memberships & institutional networks





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Climate, SDG and International Sustainability Events





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➤ **Sustainable Technology, Energy and Environmental Projects**





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❖ **Student Innovation, Startups and International Collaboration**



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