



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/>

[4] Water (WR)

[4.7] Impact of Water Management programs in supporting the Sustainable Development Goals (SDGs)





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Description:

<i>SDG</i>	<i>Area of Contribution</i>	<i>Water Management Actions at BSU</i>	<i>Level of Impact</i>
<i>SDG 3 – Good Health and Well-being</i>	Public health and safe water access	Provision of clean drinking water, wastewater treatment, reduced contamination risks	Very High
<i>SDG 4 – Quality Education</i>	Sustainable learning environments	Water-efficient campuses, student engagement in sustainability projects, seminars	Very High
<i>SDG 6 – Clean Water and Sanitation</i>	Core water management system	Rainwater harvesting, wastewater reuse, monitoring systems, pollution control	Very High
<i>SDG 9 – Industry, Innovation & Infrastructure</i>	Sustainable infrastructure development	Smart irrigation, water meters, green infrastructure, filtration technologies	High
<i>SDG 11 – Sustainable Cities & Communities</i>	Resilient campus ecosystem	Green campus planning, permeable surfaces, runoff management systems	High
<i>SDG 12 – Responsible Consumption & Production</i>	Resource efficiency	Water-saving fixtures, recycling systems, reduced bottled water usage	Very High
<i>SDG 13 – Climate Action</i>	Climate resilience strategies	Adaptive water management, drought-tolerant landscaping, runoff control	Very High
<i>SDG 14 – Life Below Water</i>	Water pollution prevention	Wastewater treatment, river protection research, pollution reduction	High
<i>SDG 15 – Life on Land</i>	Ecosystem protection	Biodiversity conservation, green	High



***SDG 17 –
Partnerships for
the Goals***

	infrastructure, ecological landscaping	
International cooperation	Collaboration with NGOs, government bodies, and academic partners	Very High

Program / Initiative	Description	Primary SDGs Supported	Impact Level
Rainwater Harvesting Systems	Collection and reuse for irrigation and sanitation	SDG 6, SDG 11, SDG 12	Very High
Wastewater Treatment & Reuse	Greywater reuse for irrigation and cleaning	SDG 6, SDG 12, SDG 14	Very High
Smart Water Monitoring Systems	Leak detection and real-time usage tracking	SDG 6, SDG 9	High
Water-Saving Fixtures	Low-flow taps, dual flush toilets, waterless urinals	SDG 6, SDG 12	Very High
Green Infrastructure (Permeable Surfaces)	Reduction of runoff and improved absorption	SDG 11, SDG 13, SDG 15	High
Drought-Tolerant Landscaping	Native plant species to reduce irrigation demand	SDG 13, SDG 15	High
Infiltration Wells & Bio-retention Systems	Groundwater recharge systems	SDG 6, SDG 13	High
Environmental Awareness Campaigns	Training and education on water conservation	SDG 4, SDG 6, SDG 12	Very High
SDG Research & Policy Development	Water resource research and innovation	SDG 9, SDG 17	Very High



International Collaboration	Joint sustainability projects with partners	SDG 17	Very High
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Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

1. The platform outlines sustainability-focused policies and governance mechanisms at the university. Institutional commitments to environmental protection and efficient resource management are clearly demonstrated.
For more information please click link:
<https://sdg.bsu.edu.az/university-policies>
2. The policy presents approaches to water conservation, efficient usage, and protection of water resources. Alignment with international sustainability standards is emphasized.
For more information please click link:
<https://sdg.bsu.edu.az/clean-water-policy>
3. The document provides detailed guidelines for sustainable water management practices within the university. Measures for reducing water consumption and increasing efficiency are included.
For more information please click link:
<https://sdg.bsu.edu.az/uploads/files/Clean%20Water%20Policy.pdf>
4. Innovative irrigation technologies aimed at optimizing water usage in agriculture are highlighted. The initiative supports sustainable and efficient water management practices.
For more information please click link:
<https://sdg.bsu.edu.az/news/scientific-seminar-at-bsu-development-of-smart-irrigation-technology>
5. The impact of climate change on water resources and related environmental challenges is discussed. The importance of adaptive strategies for sustainable water management is highlighted.
For more information please click link:
<https://sdg.bsu.edu.az/news/chief-engineer-of-adsea-delivers-lecture-at-baku-state-university-on-the-impact-of-climate-change-on-water-resources>
6. An initiative promoting environmental awareness and sustainable campus practices is introduced. Integration of ecological design with efficient resource use is demonstrated.
For more information please click link:
<https://sdg.bsu.edu.az/news/new-unique-project--eco-space-at-the-university>
7. Membership in an international sustainable campus network is highlighted. Commitment to global collaboration in sustainability practices is reflected.
For more information please click link:
<https://sdg.bsu.edu.az/iscn-membership>
8. Involvement in a major agricultural exhibition focused on sustainability and innovation is presented. Efforts toward environmentally responsible agricultural development are underlined.
For more information please click link:
<https://sdg.bsu.edu.az/news/bsu-is-represented-at-caspian-agro--the-18th-azerbaijan-international-agriculture-exhibition>
9. Research on innovative methods for purifying oil-contaminated water using advanced materials is described. Contributions to improving water quality and environmental sustainability are emphasized.



For more information please click link:

<https://sdg.bsu.edu.az/news/bsu-conducts-research-on-purification-of-oil-contaminated-water-using-bio-nanoadsorbents>

10. The ecological condition of the Hekerichay reservoir is evaluated through scientific analysis. Insights into water quality and environmental sustainability challenges are provided.
For more information please click link:
<https://sdg.bsu.edu.az/news/an-assessment-of-the-ecological-situation-in-the-hekerichay-reservoir-was-conducted-at-bsu>
11. River system modeling is used to better understand water flow and environmental dynamics. Support for sustainable water resource management is demonstrated.
For more information please click link:
<https://sdg.bsu.edu.az/news/scientific-seminar-on-modeling-the-hakari-river-at-bsu>
12. Morphological changes of riverbeds in the Greater Caucasus are analyzed. Understanding of hydrological processes and environmental risks is enhanced.
For more information please click link:
<https://sdg.bsu.edu.az/news/morphodynamics-of-riverbeds-in-the-greater-caucasus-studied-at-bsu>
13. A sustainable agricultural ecosystem designed to optimize irrigation and water use is introduced. Innovative approaches for climate-resilient agriculture are highlighted.
For more information please click link:
<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-teknofest-2025-shc>
14. An international scientific event focused on improving food and water security through modern technologies is presented. Contributions to sustainable resource management are emphasized.
For more information please click link:
<https://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>
15. The SDG reports demonstrate the university's commitment to sustainability, environmental management, and efficient use of natural resources across the campus. Institutional progress toward sustainable campus infrastructure and water-related goals is clearly presented.
For more information please click link:
<https://sdg.bsu.edu.az/sdg-reports>
16. The Climate Action Plan outlines strategies for sustainable campus development, climate resilience, and environmentally responsible resource management. Measures supporting water conservation and ecological infrastructure are emphasized.
For more information please click link:
<https://sdg.bsu.edu.az/climate-action-plan-action>
17. The governance framework reflects the university's commitment to sustainability-oriented management and environmental planning. Policies supporting efficient infrastructure and resource management are integrated into institutional governance.
For more information please click link:
<https://sdg.bsu.edu.az/governance>
18. The university sustainability platform presents initiatives, policies, and projects related to environmental protection and sustainable campus development. Institutional efforts toward efficient resource use and ecological responsibility are highlighted.



For more information please click link:

<https://sdg.bsu.edu.az/>

19. Research activities related to SDG 6 demonstrate the university's contribution to sustainable water management and clean water solutions. Scientific studies addressing water conservation and environmental sustainability are actively supported.

For more information please click link:

<https://sdg.bsu.edu.az/research-on-sdg-6>

20. The research platform highlights scientific studies and innovation activities focused on sustainability and environmental challenges. Contributions to sustainable resource management and ecological development are demonstrated through academic research.

For more information please click link:

<https://sdg.bsu.edu.az/research>

21. The SDG 6 report evaluates the university's initiatives and achievements related to clean water and sanitation. Progress in sustainable water management and efficient water use practices is clearly illustrated.

For more information please click link:

<https://sdg.bsu.edu.az/report-on-sdg-6-clean-water-and-sanitation>

22. The news platform presents sustainability-related projects, environmental initiatives, and campus development activities implemented by the university. Efforts supporting ecological awareness and sustainable resource management are regularly highlighted.

For more information please click link:

<https://sdg.bsu.edu.az/allnews>