

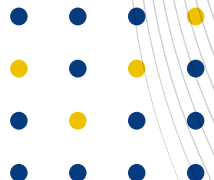


الجامعة الوطنية - السودان
National University Sudan

National University-Sudan Progress Toward SDG 6

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National University-Sudan Progress Toward SDG 6

Clean Water and Sanitation

The National university-Sudan recognizes access to clean water and adequate sanitation as a fundamental human right and a cornerstone of sustainable development. In alignment with the United Nations Sustainable Development Goal 6 (Ensure availability and sustainable management of water and sanitation for all), the university integrates sustainable water use, hygiene promotion, and wastewater management into its academic, operational, and community engagement activities.

Khartoum Campus:

Policy and Governance

Institutional policies emphasize the efficient use of water resources and the provision of safe, clean water across all campuses

Drinking Water Sources: 8 water coolers.

Infrastructure and Operations

The university also installed water-management station and environmentally friendly sanitation technologies in facilities and student housing.

In the Khartoum campus installation of water management systems, efficient irrigation for green spaces, and greywater recycling initiatives. Sanitation facilities are regularly upgraded to ensure hygiene, accessibility, and gender inclusiveness, aligning with the broader objective of health and environmental sustainability.

Regular assessments are conducted to ensure water safety standards are met, and maintenance teams are trained to manage plumbing, sanitation, and waste systems sustainably and assure wise use of water and immediate repair to prevent leakage and unnecessary water loss.

Water management station- National University-Sudan-Khartoum

https://youtu.be/EQ_aWVLvi2s

PortSudan Campus:

Water Source: 8 water coolers

Five artesian wells (salty water).

Supply via tanker from Arbaat water source (fresh water) to three underground tanks (water store) with an average capacity of 147 tons.

The university has 23 water tanks for distributing water from the wells and underground reservoirs, with a total capacity of 54 tons.

• Desalination and Purification Stations:

A desalination station producing 20 tons per day of filtered and sterilized water (used for drinking, laboratories, and the dental clinic).

A purification and sterilization station for Arbaat water producing 20 tons per day (used for drinking).



Quantity of Water Used During a Week:

26 tons of salty water are consumed daily, with a weekly consumption rate of 182 tons; this water is used in bathrooms.

55 tons of fresh water are consumed daily, with a weekly consumption rate of 385 tons; this water is used for drinking, washing, and bathing in the staff and female students' residences within the university.

Community Engagement and Partnerships

Through outreach programs and partnerships with local state government, NGOs, and environmental agencies, the university extends its impact beyond campus boundaries. The university also submit an official letter to the state government asking for permission to contribute to planting trees making use of treated water

<https://nu.edu.sd/wp-content/uploads/2025/11/9257.pdf>

Clean water and hygiene awareness virtual campaigns are also conducted, encouraging responsible water use and sanitation practices. All of these partnerships also facilitate research opportunities and community development projects targeting water security.

Monitoring and Evaluation

The university's sustainability office tracks water consumption, waste generation, and sanitation conditions annually. Data collected supports continuous improvement and transparency in achieving SDG 6 objectives.

Conclusion

By embedding clean water and sanitation principles into its operations, teaching, and outreach, the university demonstrates its commitment to environmental stewardship and human well-being. Continued efforts toward innovation, awareness, and collaboration will strengthen its contribution to achieving SDG 6 and related global sustainability goals.