

Template for Evidence(s) UI GreenMetric Questionnaire

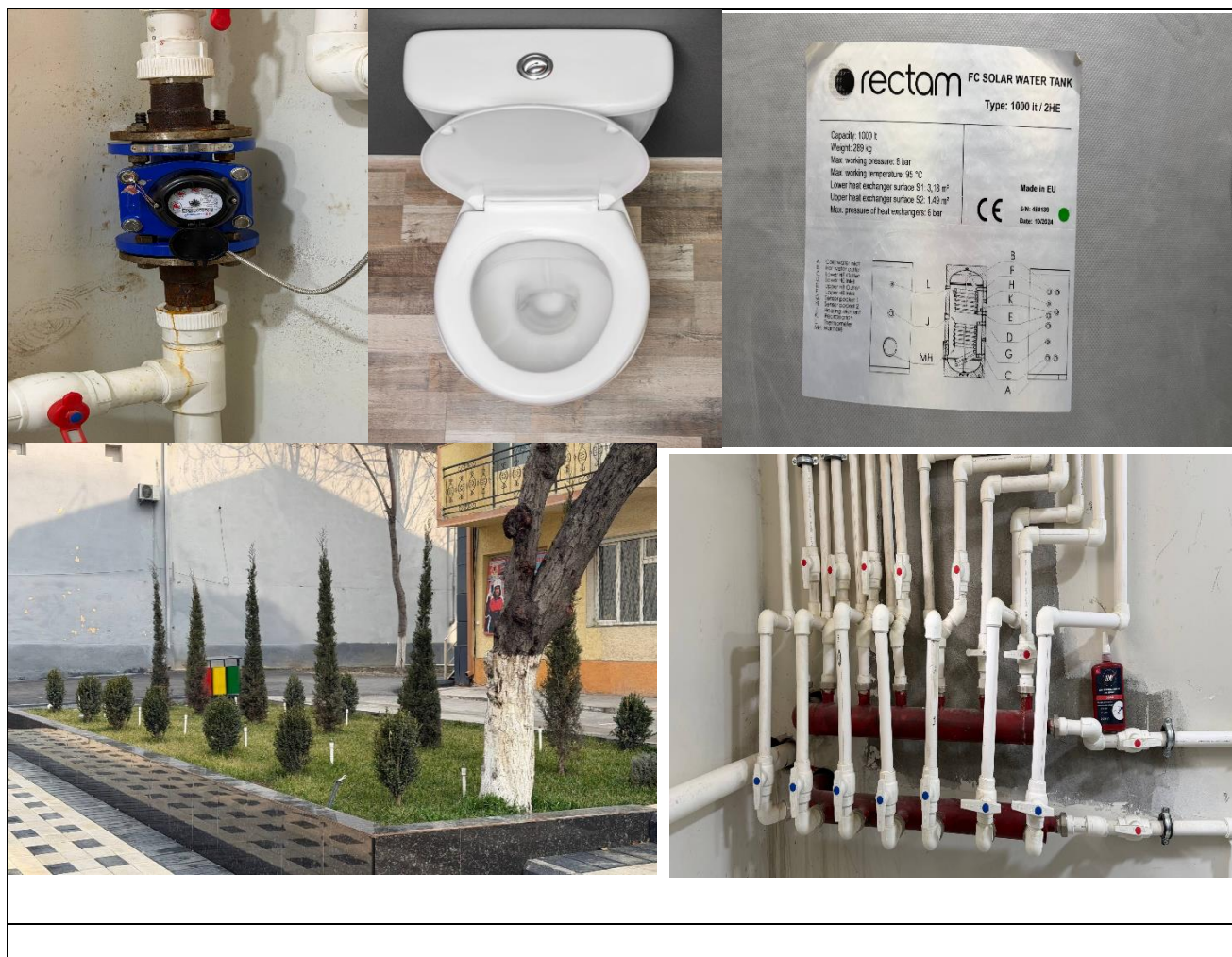
University: Andijan state institute of foreign languages

Country: Uzbekistan

Web Address: www.adchti.uz

[4] Water (WR)

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



Description:

Andijan State Institute of Foreign Languages has developed and implemented integrated water management programs that generate measurable environmental, social, and institutional impacts. These initiatives contribute directly to several Sustainable Development Goals (SDGs) through infrastructure development, conservation practices, monitoring systems, and community engagement.

SDG 6 – Clean Water and Sanitation. The institute's rainwater harvesting system, groundwater recharge pits, and water-saving technologies directly promote sustainable water use. By reducing dependence on municipal freshwater sources and improving water reuse efficiency, the



campus strengthens responsible water governance. The installation of monitoring systems and routine maintenance further ensures water quality, infrastructure safety, and long-term sustainability.

SDG 12 – Responsible Consumption and Production.

Water conservation measures such as low-flow fixtures, dual-flush toilets, leak detection practices, and irrigation management significantly decrease unnecessary water consumption. Through data monitoring and technical evaluations, the institute improves operational efficiency and reduces resource wastage, demonstrating responsible consumption patterns within institutional management.

SDG 13 – Climate Action.

Located in a semi-arid region, the institute faces water scarcity risks and climate variability. Rainwater collection systems and groundwater recharge infrastructure enhance climate resilience by mitigating drought impacts and reducing flood risks during heavy rainfall. These adaptive strategies contribute to long-term environmental stability and institutional preparedness for climate change.

SDG 3 – Good Health and Well-being.

A reliable water supply for sanitation facilities, dormitories, and academic buildings ensures hygienic conditions for students and staff. Proper wastewater management and controlled reuse systems help maintain public health standards and reduce environmental contamination risks.

SDG 4 – Quality Education.

Sustainable water infrastructure supports uninterrupted academic operations by ensuring consistent sanitation and facility maintenance. Additionally, the campus itself functions as a practical model of environmental responsibility, providing students with real-life examples of sustainable resource management.

SDG 11 – Sustainable Cities and Communities.

Through stormwater management systems, permeable drainage channels, and green landscaping irrigated with collected rainwater, the institute contributes to sustainable urban infrastructure. These measures reduce environmental pressure on surrounding municipal systems and promote responsible land and water use.

SDG 15 – Life on Land.

Groundwater recharge initiatives and green space irrigation enhance soil moisture balance and support campus vegetation. Maintaining landscaped areas with conserved water contributes to biodiversity protection and ecosystem stability within the campus environment.

Institutional and Long-Term Impact.

The integrated water management framework reduces operational costs, strengthens environmental compliance, and enhances institutional sustainability performance. Continuous monitoring, evaluation, and awareness campaigns ensure that water conservation practices remain effective and adaptive to future environmental challenges.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file): <https://green-institute.adhti.uz/#water> <https://green-institute.adhti.uz/>