

SMART WATER MANAGEMENT PROGRAM (2022-2027)

Annotation: In the face of climate change, aridity, and Tajikistan's dependence on groundwater, rational water use is becoming a key area of sustainable development. The International University of Tourism and Entrepreneurship of Tajikistan, as a leader in green initiatives, is implementing a comprehensive water conservation system focused on integrating technology, education, and practical solutions.

The goal of the program is to reduce campus water consumption by $\geq 50\%$ and implement a sustainable water reuse system.

1. Implement a closed-loop water management system that includes collection, treatment and reuse (this system has been implemented in the new campus building);
2. Create demonstration zones for water conservation (landscapes with drip irrigation, smart taps);
3. Integrate educational modules "Water & SDGs" into the educational process.

Expected results

1. Reduce water consumption by 50% and reduce water costs by 30%;
2. Launch of the first university water reuse system in Tajikistan;
3. Establishment of a Competence Center for Green Water Management;
4. Improving the environmental culture of students and staff;

The translation was carried out by the Research Institute for Sustainable Development and Green Economy at the International University of Tourism and Entrepreneurship of Tajikistan.

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