Wastewater Management

Ambitious Goal

Establish a pioneering campus for wastewater reuse in agriculture, setting a benchmark for sustainable resource management.

Objectives:

1. Increase treated wastewater utilization for irrigation.
2. Improve the quality of treated wastewater stored in the lake.

Actions

1. Implement advanced filtration and purification systems to elevate the quality of treated wastewater.
2. Expand the distribution network for treated wastewater to reach all designated agricultural areas on campus, ensuring maximum utilization.
3. Invest in eco-friendly technologies such as constructed wetlands to naturally enhance the quality of wastewater stored in the lake.

Key Performance Indicators

1. Amount of treated wastewater used for irrigation (m3 per hectare).
2. Quality of treated wastewater used for irrigation.

Alignment with Sustainability Development Goals

This Action Plan aligns with the following UN Sustainable Development Goals:

1. SDG 6 Clean water and Sanitation
2. SDG 9 Industry, Innovation and Infrastructure
3. SDG 11 Sustainable Cities and Communities
4. SDG 12 Responsible Consumption and Production
5. SDG 13 Climate Action

Alignment with JUST Strategic Plan 2022-2026

This Action Plan aligns with JUST Strategic Goal 5 University environment and infrastructure

Challenges

Financial resources