



Template for Evidence(s) UI GreenMetric Questionnaire

University : Sisaket Rajabhat University
Country : Thailand
Web Address : www.sskru.ac.th

SAMPLE

[4] Water (WR)

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



Description:

(Please describe Impact of Water Management programs in supporting the Sustainable Development Goals. You can describe more related items if needed.)



The university has undertaken a wide range of water management programs that contribute significantly to the achievement of the **17 Sustainable Development Goals (SDGs)**. These initiatives reflect a strong institutional commitment to water conservation, sustainable usage, and climate resilience. Key programs include:

- **Installation of rainwater harvesting systems** on rooftops and open areas to collect and store rainwater for non-potable uses such as irrigation and toilet flushing.
- **Construction of infiltration wells and bio-retention systems** to reduce surface runoff and improve groundwater recharge.
- **Use of water-saving fixtures** (low-flow faucets, dual flush toilets, waterless urinals) across campus buildings to minimize daily water consumption.
- **Installation of water meters and digital monitoring systems** to track water usage and detect leaks in real time.
- **Integration of native and drought-tolerant plant species** in landscaping to reduce irrigation demands.
- **Implementation of wastewater treatment systems** for greywater reuse in flushing, gardening, and cleaning.
- **Design of permeable pavements and green roofs** to reduce runoff and enhance natural absorption.
- **Awareness campaigns and workshops** promoting water conservation habits among students, staff, and faculty.
- **Inclusion of water-sensitive design principles** in new campus developments and renovations.
- **Collaborative water management research and policy development** in partnership with public agencies, NGOs, and academic institutions.

These efforts directly support **SDGs 3, 4, 6, 9, 11, 12, 13, 14, 15, and 17**, and contribute indirectly to others, including:

- **SDG 3** – Supporting public health through access to clean and safe water
- **SDG 4** – Providing learning environments with reliable and sustainable water infrastructure
- **SDG 6** – Ensuring availability and sustainable management of water and sanitation for all
- **SDG 9** – Implementing innovative water management infrastructure
- **SDG 11** – Enhancing urban resilience through sustainable water practices
- **SDG 12** – Encouraging responsible consumption of natural resources
- **SDG 13** – Mitigating climate impact through adaptive water strategies
- **SDG 14** – Preventing water pollution that impacts aquatic ecosystems
- **SDG 15** – Protecting terrestrial ecosystems through integrated water management
- **SDG 17** – Strengthening water-related partnerships for sustainable development

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):