



**LEVERAGING SDG 6 FOR ACCELERATED  
WATER INVESTMENTS IN CARIBBEAN  
SIDS WORKSHOP**

# **MINI ACTION PLAN**

PREPARED BY : **BARBADOS**



## **ACTION 1: GROUNDWATER MONITORING PROGRAMME EXTENSION AND AUTOMATION**

Establish an early warning system to protect public water supply wells from pollution sources. This will involve the installation of monitoring boreholes and include telemetry for real time monitoring of physicochemical and selected pollution indicators.

### **STRATEGIC OBJECTIVE**

To establish an enhanced monitoring system within five years to track the impact of land use changes on groundwater aquifers, with real-time monitoring of critical water quality indicators for human health and environmental safety.

### **RATIONALE**

Growing land development and wastewater disposal are increasing pollution risks, particularly transferring pollutants from coastal to inland groundwater. Current delays in test results hinder timely responses. Installing boreholes and telemetry equipment will enable early detection and response using real-time monitoring of REDOX, DO, pH, temperature, and other pollution indicators.

### **KEY DETAILS**

<b>Leading Entity</b>	BWA/EPD
<b>Key Coordinators/Collaborators</b>	BWA EPD MET, Agriculture, CIMH
<b>Geographical Scale</b>	National
<b>Estimated Cost</b>	USD 3 Million – includes boreholes, telemetry, equipment, training, IT
<b>Potential Sources of Financing</b>	GOB, GCF, GEF, DCFO
<b>Timeline</b>	4 Years
<b>IWRM Dimension</b>	Institutions and Participation and Management Instrument
<b>Related SDG Target</b>	SDG 1 (No Poverty), 2 (Zero Hunger), 6 (Clean Water), 12 (Responsible Consumption), 14 (Life Below Water)

## ACTION 2: DEVELOPMENT OF WASTEWATER REUSE REGULATIONS

Support the implementation of the Water Reuse Act 2023 through the development and implementation of Regulations. Specific standard for agriculture, urban, groundwater recharge, and domestic use.

### STRATEGIC OBJECTIVE

To work with stakeholders and provide national-level clarity within **three years** on treated wastewater use regulations.

### RATIONALE

Treated wastewater is currently used without standardized guidelines across sectors like **agriculture, urban use, groundwater recharge, and domestic use**. The lack of regulation leads to risk and inconsistency. Regulations will improve safety, investment readiness, and set national standards for all reuse pathways.

### KEY DETAILS

<b>Leading Entity</b>	Ministry of Health and Wellness
<b>Key Coordinators/Collaborators</b>	EPD, BNSI, BWA
<b>Geographical Scale</b>	National
<b>Estimated Cost</b>	USD 200,000 – includes assessments, stakeholder consultations, and drafting
<b>Potential Sources of Financing</b>	Government, GCF, GEF
<b>Timeline</b>	1 year
<b>IWRM Dimension</b>	Enabling Environment
<b>Related SDG Target</b>	SDG 1, 2, 6, 12, 14

## **CONTRIBUTORS**

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