

Call For Abstracts Thematic Areas

For the 33rd Annual CWWA
Conference and Exhibition




**33RD ANNUAL
CONFERENCE
EXHIBITION**
2024

**COLLECTIVE
REGIONAL ACTION**
Toward a Climate Resilient,
Water Secure and
Zero Waste Caribbean

1 Thematic Area I

Water Security in an Uncertain Climate

- a. Dry Season and Drought Planning, Management and Mitigation.
- b. Fostering an enabling environment for IWRM: From Policy to Practice
- c. Sustainable use of Water-Related Ecosystems
- d. Incorporating Climate Change Predictions and Modelling into Regional Water Management
- e. Climate Resilient Infrastructure and Appropriate Planning Framework
- f. Water Conservation: Stakeholder Involvement and Appropriate Technology
- g. NRW Reduction – Limiting the Losses and Advancing a Smart Network
- h. Artificial Intelligence: Shaping the Future of Water and Resilient Infrastructure (cloud -based platforms, Water Resources Management, Predictive Maintenance for Water Supply, Optimising Energy Usage in Water Treatment and Distribution etc.)
- i. Case Studies: Community Based Interventions for Enhanced Water Supply

2 Thematic Area II

Water Quality: Human Health and the Environment

- a. Water Safety Standards: Monitoring, Prevention and Response toward eliminating Water Borne Diseases and Other Threats
- b. Knowledge Management for Water Quality Standards: Gaps, Current Practices and Advances in the Region
- c. Effects of Climate Change on Water Quality and Health
- d. Emerging Technologies and Methods for Water Quality Monitoring and Management
- e. Standards in Utility Water and Wastewater Treatment Systems
- f. Protecting the Quality of Source Water: Polluter Pays Principle and Other Regulatory Systems



3 Thematic Area III**Efficient and Effective Wastewater Management**

- a. Wastewater Treatment and Reuse: taking 'WASTE' out of Wastewater
- b. On-lot Septic Systems: Methods, Systems, Use and Successes
- c. Nature Based Wastewater Management: A Regional Approach
- d. Case Studies: Appropriate Greywater Collection, Treatment and Reuse Systems
- e. Case Studies: New and Emerging Technology in Wastewater Treatment
- f. Agricultural and Industrial Wastewater Management
- g. Smart Urban Spaces: Incorporating Wastewater Reuse
- h. Wastewater Monitoring as a Sentinel for Disease

4 Thematic Area IV**Regional Solid Waste Management: Reducing Our Waste Footprint**

- a. Creating an Enabling Environment for Waste to Energy Plants
- b. From Source to Disposal - Waste Minimization, Treatment and Reuse
- c. Case Studies: Hazardous Waste Management Systems
- d. Advances in Regional Recycling and Associated Technologies
- e. Alternative Renewable Energy from Solid Waste
- f. Landfills a Necessary Problem: Air Pollution and Leachate Management
- g. Solid Waste Management: Policy and Planning for the Local Context.

5 Thematic Area V**Regional Sector Governance and Financing**

- a. Institutional Reform for Effective Governance
- b. Models for Co-Investment in Infrastructure for Water and Sanitation
- c. Building Social Resilience at the Community and Institutional Levels
- d. Case Studies and Opportunities for Utility Twinning: Water Operator Partnerships (WOPs) and Sanitation Water Operator Partnerships (SWOPs)
- e. Business Continuity for Utilities
- f. Utility Benchmarking: A Necessary Tool for Decision Making and Change Management
- g. Cost Reflective Water Tariffs – Economic Good vs. Human Right
- h. Fostering Coherence between Water and Sectoral Policies

6 Thematic Area VI**General Topics**

- a. Social Media and Community Engagement as a Tool for Enhanced Sector Awareness
- b. Post Disaster Assessment and Recovery
- c. Risk Management: Increasing Resilience and Reducing Vulnerability
- d. Preparing for and Learning from Emergency Response
- e. Creating a proactive and effective Health, Safety and the Environment Culture within the Water and Sanitation sectors in the Caribbean.
- f. Flood Management – Wetlands, Stormwater Retention/Reuse, Green Infrastructure and Other Solutions
- g. Advancing Social Equity in Climate Resilience: Breaking the Barrier for Marginalized Groups, Small Island Developing States and Low Income Countries



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