



Global Water
Partnership
Caribbean

GWP-C Rainwater Harvesting initiatives and the GWP-C Water Climate and Development Programme (WACDEP)

By

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What is the Global Water Partnership-Caribbean (GWP-C?)

- NGO/Network of Caribbean water management stakeholders.
- One of 13 regional partnerships within a global network of partners promoting **Integrated Water Resources Management (IWRM)** as the preferred approach for a water secure world.
- Most of the organizations represented here today are GWP-C Partners



GWP-C

Programme areas

- IWRM Policy
- Capacity building,
- Knowledge sharing,
 - RWH promotion,
- Water, Climate & Development



GWP work in RWH: Model and Toolbox

Funding from the Perez-Guerrero Trust Fund obtained in partnership with the Caribbean Council for Science and Technology

Work executed by CEHI/CARPHA



Toolbox

Global Water Partnership Caribbean
Rainwater harvesting in the Caribbean

A resource kit of literature, information and interactive media products to support the promotion of the practice of Rainwater Harvesting (RWH) in the Caribbean

- BACKGROUND
- TECHNICAL PRODUCTS
- EDUCATIONAL PRODUCTS
- POLICY AND ADVOCACY
- ONLINE RESOURCES
- ABOUT RWH
- RESEARCH PUBLICATIONS
- RADIO AND PUBLIC SERVICE ANNOUNCEMENTS
- REGIONAL PROGRAMME FOR RWH
- CARIBBEAN WATER AGENCIES
- RWH IN THE CARIBBEAN
- MAPRRIG PRODUCTS
- PROMOTIONAL FILM
- NATIONAL PROGRAMME FOR RWH
- INTERNATIONAL WATER AGENCIES
- GLOSSARY
- RWH AND AQUIFER RECHARGE
- POSTERS AND TECHNICAL BROCHURES
- MEETINGS
- DEMONSTRATIONS
- RWH HANDBOOK
- FACT SHEETS

[About the Toolbox](#) [About the GWP-C](#)

The Rain Water Harvesting Toolbox was developed with grant funding from the Perez Guerrero Trust Fund for Economic and Technical Cooperation (POTEP) to the Caribbean Council for Science and Technology (CCST) on behalf of the Global Water Partnership Caribbean.

RWH Model

Model first displayed in 2010 in Grenada/CWWA

Portable travelling model featuring rain simulation, information panels, first flush diverter system

Since displayed throughout Trinidad e.g. NIHERST Science Fairs

Adopted and modified in Jamaica by WRA
www.gwp.org



RWH in rural communities in Trinidad

GWP-C host institution/partner NIHERST outfitted 15 schools with the rainwater harvesting technology, and provided some of them with solar panels as a backup energy source.

To ensure maintenance, they also trained residents in the areas of Toco, Moruga, and Barrackpore.



RWH Toolbox

- A resource kit of literature, information and interactive Media products to support the promotion of the practice of Rainwater Harvesting (RWH) in the Caribbean
- Outputs of this workshop to update the toolbox: **We want info!**

Toolbox  Global Water Partnership
Caribbean
Rainwater harvesting in the Caribbean

www.gwp-caribbean.org

RWH Publications



Rainwater Harvesting

MAKING EVERY DROP COUNT IN THE CARIBBEAN



Climate change studies suggest that there will be drier and longer dry seasons across most of the Caribbean basin in the future. When rain does fall, the rainfall events are likely to be heavy downpours which will increase the likelihood of flooding. Increased temperatures, more intense hurricanes and sea level rise are also expected.

Such changes will affect the fresh water resources of every nation in the region. As sea levels rise, there will be a greater likelihood of saltwater intrusion into underground fresh water systems along coastal areas. This threat of saltwater contamination will leave the Caribbean islands especially vulnerable, as many depend heavily on groundwater for their drinking supplies. Countries like Antigua and Barbuda and Barbados, which are already categorised as water scarce will certainly be impacted.

Globally, one of the solutions being encouraged by organisations like Global Water Partnership-Caribbean (GWP-C) to help manage the effects of climate change and water scarcity is public education and the introduction of practices, like rainwater harvesting.

In particular Rainwater Harvesting (RWH) is being promoted by GWP-C, as a technique to augment existing potable municipal supplies, and as a readily accessible emergency source of water in case of natural disasters like hurricanes and floods, which may disrupt access to the main municipal water supply. RWH is seen as one of the means of building climate resilience into the water sector in the Caribbean.

RAINWATER HARVESTING – RESTORING AN OLD CARIBBEAN TRADITION

Rainwater Harvesting (RWH) is a centuries-old system for ensuring water security and was at one time widely practiced in the Caribbean as a main source of household water supply. However, with expanded access to potable, pipe-borne water, there has been a move away from RWH and a perception that the practice is outdated.



www.gwp-caribbean.org



Rainwater Harvesting

FROM THE SKY TO SUPPLY



Catch The Rain and Harvest It!

The practice known as rainwater harvesting or roof-water harvesting is as old as time and as modern as today – as a new following of people from around the world are choosing to harvest rain to provide for their everyday needs and to help the planet by conserving water.

Harvested rainwater can be used to water your garden, wash your car and flush your toilet, thereby conserving the pipe-borne treated water supply from your water utility.

Falling rain can provide some of the cleanest naturally occurring water that is available anywhere – and is at risk only from airborne particles and man-made pollution. Additionally, rainwater that is captured, filtered and stored correctly can be a safe and economical answer to the plight of all who experience water woes and is also a great way to help the environment.

Whatever the reason for doing it, rainwater harvesting is something that everyone can do.

"Rainwater is the purest water you can find. It does not contain the minerals or the chlorine found in pipe-borne water, making it ideal for watering the lawn, washing the car, doing the laundry, taking a shower or even drinking if it is properly filtered."
— Dr. Hari J. Krishna, President, American Rainwater Collection Systems Association.



www.gwp-caribbean.org

Flashdrives available with publications including Sourcebook and information briefs on building climate resilience within the Caribbean water sector

RWH Demos

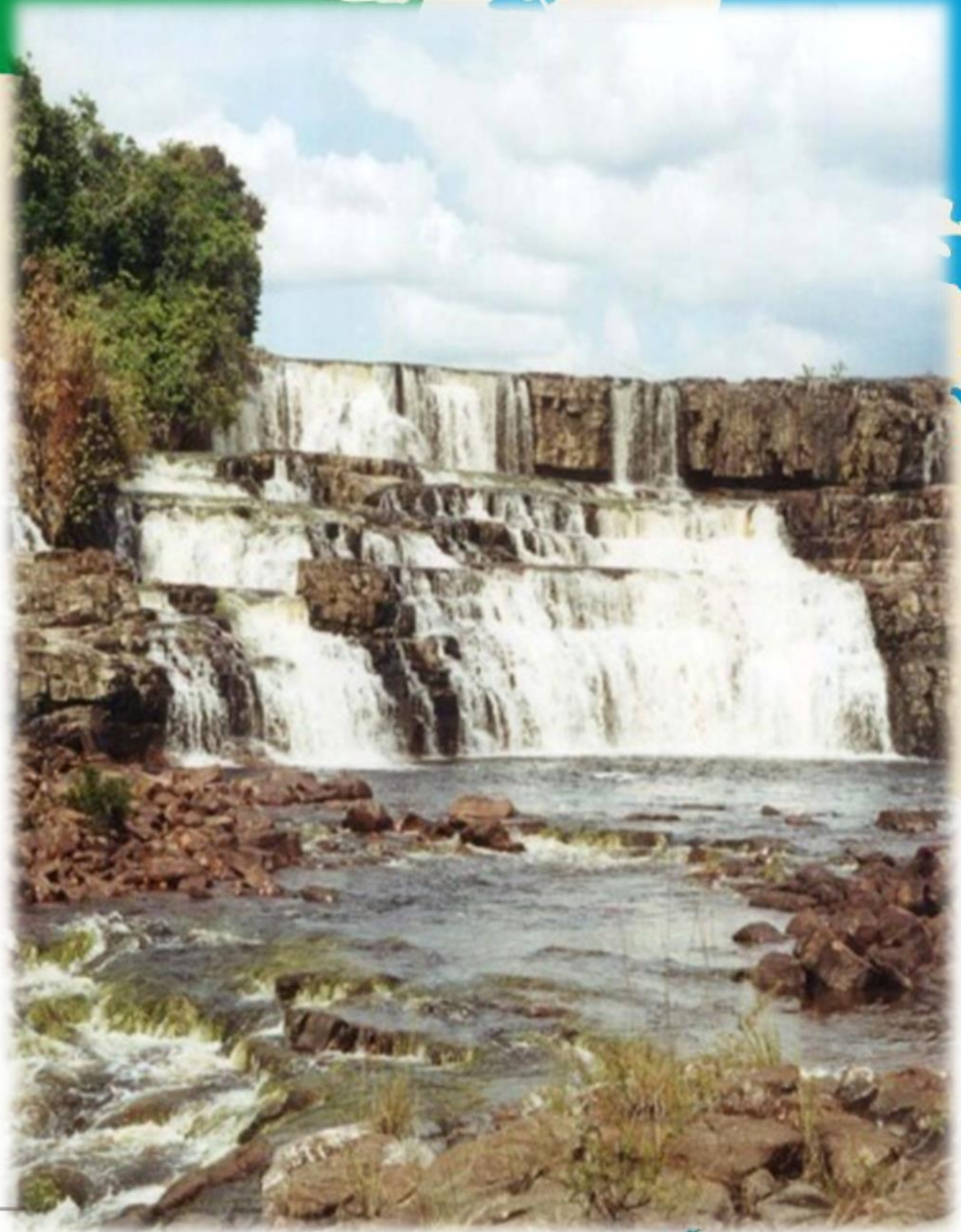
In discussions
for demo sites
in Guyana
hinterland



RWH under the GWP-C Water Climate and Development Programme (WACDEP)

Water, Climate and Development Programme (WACDEP)

Goal: To promote water security and climate resilience in Caribbean States as a key part of sustainable regional and national development for economic growth and human security.

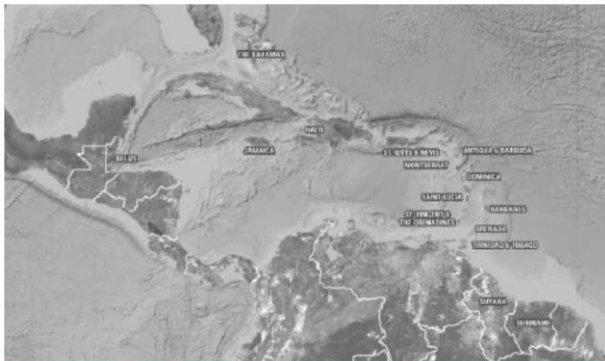




Caribbean Community
Climate Change Centre

WACDEP – Regional Framework

- Executed in partnership with CCCCC
- Aligned to the CARICOM Regional Implementation Plan for Achieving Development Resilient to Climate Change



DELIVERING TRANSFORMATIONAL CHANGE 2011-21

FULL REPORT

Implementing the CARICOM 'Regional Framework for
Achieving Development Resilient to Climate Change'

March 2012



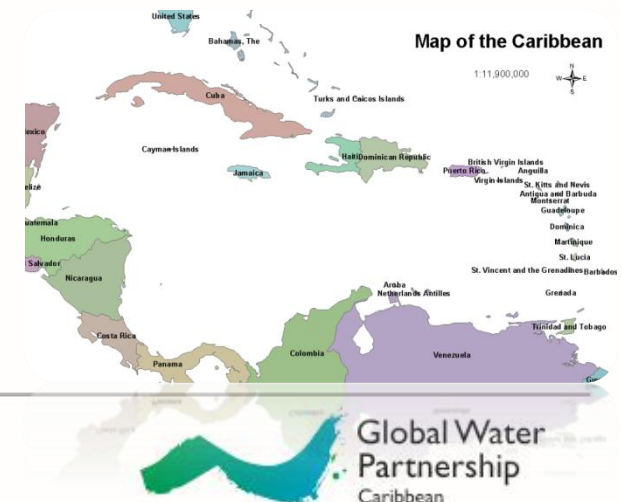
RWH as a low/no regret investment to build climate resilience in the Caribbean Water Sector

- A technique to augment existing potable municipal supplies, and as a readily accessible emergency source of water in case of natural disasters like hurricanes and floods, which may disrupt access to the main municipal water supply.

WACDEP has 8 generic work packages common to all GWP regions-

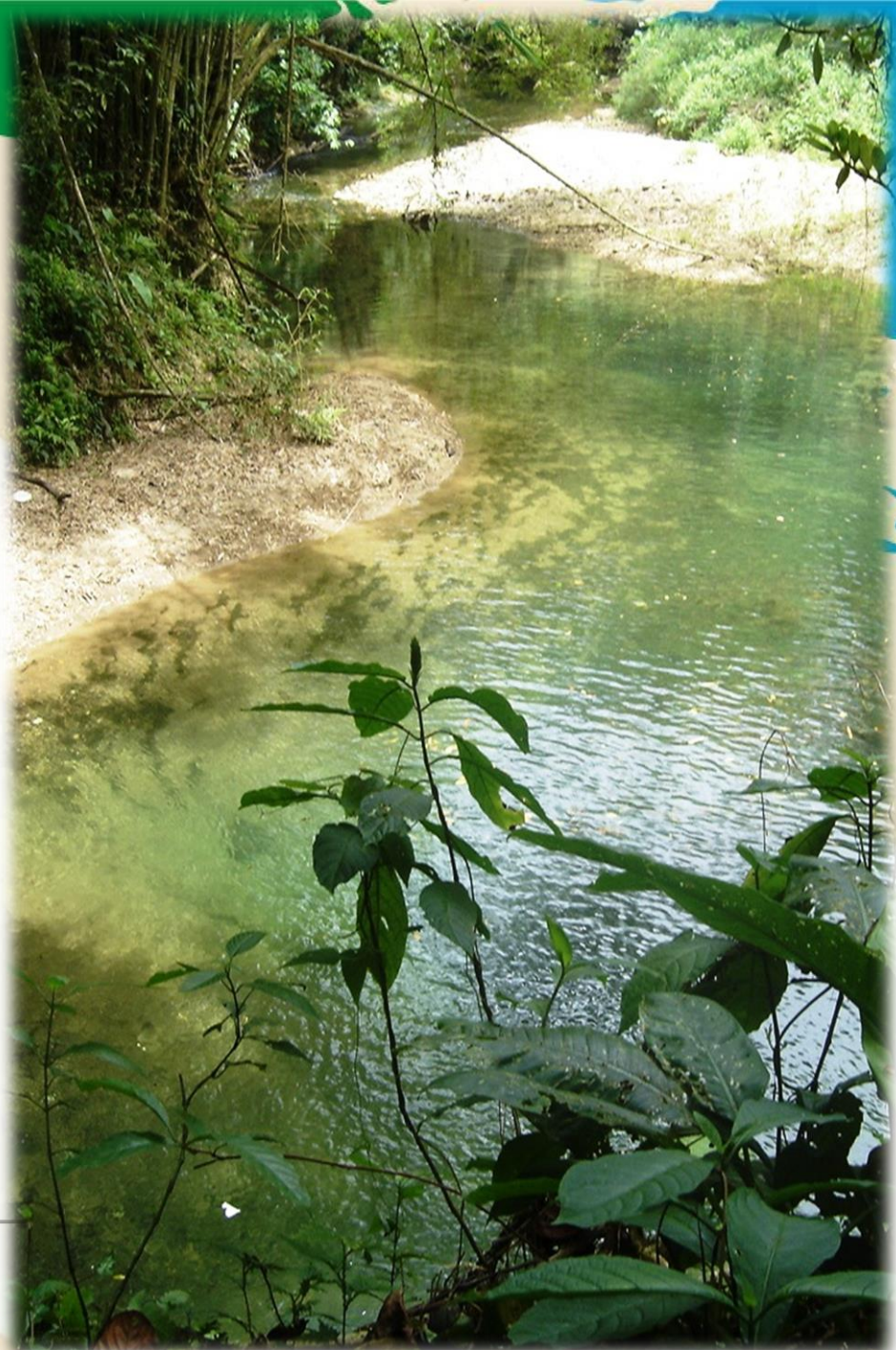
- Knowledge and Awareness
- Capacity Development,
- No/Low Regret Investments
- Project Preparation and Financing
- Demonstration Projects
- Governance and Fundraising
- National Plans, Policies and Strategies
- Regional Cooperation in Water Management

**Tailored to
Caribbean
Context**




RWH- Knowledge & Awareness

- This workshop part of knowledge transfer, south south exchanges, regional and international cooperation
 - Partnering with GEF-IWLEARN, CARPHA, GIZ
 - Representatives from GWP-Central America and Mediterranean
 - Engaging regional international organisations



Information exchange on the WACDEP Knowledge platform:

Knowledgeplatform@gwp-caribbean.org

 Global Water Partnership Caribbean

English PRESS ROOM CONTACT US Search + GWP Regional Websites

WACDEP Funding Knowledge Products Tools & Training Databases **Information Exchange**

Rainwater Harvesting Knowledge Exchange



The practice known as rainwater harvesting or roof-water harvesting is as old as time and as modern as today — as a new following of people from around the world are choosing to harvest rain to provide for their everyday needs and to help the planet by conserving water.

Harvested rainwater can be used to water your garden,

Rainwater Harvesting Briefs

[From The Sky to Supply](#)
[Making Every Drop Count in the Caribbean](#)

Rainwater Harvesting Toolbox

 Global Water Partnership Caribbean

ToolBox

[Access the GWP-C Rainwater Harvesting Toolbox here](#)

Related Resources

[GWP-C Rainwater Harvesting Model and Material](#)

Thanks!



**Global Water
Partnership
Caribbean**

E-mail: info@gwp-caribbean.org
Website: www.gwp-caribbean.org