

Integrated Water Resources Management (IWRM) Projects and Initiatives in the Caribbean

Title: Rainwater Harvesting Toolbox and Demonstration Model

Organisation: Global Water Partnership-Caribbean (GWP-C)

Aims and Objectives:

The Global Water Partnership-Caribbean (GWP-C) in partnership with the Caribbean Environmental Health Institute (CEHI) has developed the Toolbox on Rainwater Harvesting (RWH) in the Caribbean and a Rainwater Harvesting Model to share information on RWH and to improve knowledge on conducting RWH under safe and sanitary conditions.

The Toolbox is a compilation of research materials on RWH in the Caribbean and best practices applicable to the Region. Further, it includes outputs produced under the initiative "Regional Programme for the Promotion of Rainwater Harvesting in the Caribbean" undertaken by the United Nations Environmental Programme (UNEP) and CEHI which sought to promote rainwater harvesting in islands of the Caribbean. The aim of the RWH Toolbox and model is to provide an advocacy and education tool to promote safe rainwater harvesting.

Duration: Start Year: 2007 Completion Year: 2013

Additional Comments: The GWP-C Toolbox was made possible with grant funding from the Perez-Guerrero Trust Fund (PGTF) awarded to GWP-C's partner organization the Caribbean Council for Science and Technology (CCST) for the engineering part of the project. Additional funding was acquired from Royal Bank of Canada- an amount equivalent to the PGTF grant for educational purposes.

Estimated Cost (USD): Overall \$65,000

Funding Source: Perez-Guerrero Trust Fund (PGTF) and Royal Bank of Canada

Global Water Partnership-Caribbean IWRM Projects and Initiatives Database

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Key Words: Rainwater Harvesting in the Caribbean; Rainwater Harvesting Model in the Caribbean; Toolbox on Rainwater Harvesting; Water, Climate and Development Programme (WACDEP)

Geographic Coverage: The Caribbean region

Sectoral Focus: Domestic and Agricultural Sectors

Target Beneficiaries: Households; Schools; Communities

Outputs:

- Online Toolbox on Rainwater Harvesting
- Portable Rainwater Harvesting Model
- Rainwater Harvesting Reference Documents
- Public Awareness Information
- Educational Campaign linked to the Rainwater Harvesting Model constructed by CEHI/GWP-C based on best practices throughout the region
- Setting up of actual rainwater harvesting systems in rural communities in Trinidad (based on the RWH model) by the National Institute for Higher Education, Research, Science and Technology (NIHERST) and the Caribbean Council for Science and Technology (CCST)

Project Links and References:

<http://www.cehi.org.lc/Rain/Rainwater%20Harvesting%20Toolbox/>

<http://www.gwp.org/GWP-Caribbean/GWP-C-IN-ACTION/Rainwater-Harvesting-Model/>

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Impacts:

Since the initial work, the National Institute for Higher Education, Research, Science and Technology (NIHERST) as well as the Caribbean Council for Science and Technology (CCST) have been able to install working rainwater harvesting systems based on the model produced by CEHI for the GWP-C. It was done as part of their Eco-Solutions Project and their community science week whereby the model was installed in a few rural communities in Trinidad.

Sustainability:

Project sustainability comes from the outreach work of GWP-C in promoting its RWH knowledge projects to our network partners and the wider community. Several of our partners have since adopted, replicated, exhibited or utilised RWH systems based on the GWP-C model. This includes GWP-C partners NIHERST, the Fondes Amandes Reforestation Project (FARC) and the Toco Foundation (all based in Trinidad). The RWH Model which was built and exhibited at various schools and community centres has allowed members of these rural communities to build their own rainwater harvesting systems.

Lessons for the Future:

Information not available

Opportunities Arising from the Project:

Replication and exhibition of the RWH model in other Caribbean Countries

Further Comments:

Information not available