

Promoting Rainwater Harvesting in Caribbean Small Island Developing States



Sensitization and Planning Workshop

Pilot Project funded by
The United Nations Environment Programme
Executed by
The Caribbean Environmental Health Institute
February 8 - 10, 2006

Grenada, Carriacou and Petite Martinique

Project Background

- 💧 Initiative came out of 13th Session on the Commission on Sustainable Development which focused on Water Policy
- 💧 UNEP embarked on the initiative to promote Rainwater Harvesting and facilitate formation of Rainwater Partnership
- 💧 Similar Projects implemented in Asia Africa and Pacific SIDS

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Pilot Site Selection

- 💧 Grenada chosen as pilot because:
 - 💧 Effects of Hurricane Ivan help to illustrate vulnerability and impact on water resources and sanitation
 - 💧 Grenada, Carriacou and Petit Martinique collectively represent many of the water issues faced by several Caribbean SIDS

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Pilot Site Selection

- 💧 Disparity between water availability and scarcity between Grenada and the Grenadine Islands offers opportunity to learn to bridge gap with augmentation options
- 💧 Opportunity to learn from the experiences already in place in Grenada for the benefit of other MS

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Objectives

- 💧 RWH Programme for Grenada
- 💧 Regional RWH Programme
- 💧 Mainstreaming of RWH into water policy
- 💧 Strengthening the institutional and human resource capacities of Member States to use RWH

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Approach

💧 Multi-stakeholder involvement

💧 Ministry of Health & Environment

💧 Ministry of Agriculture, Lands, Forestry and Fisheries

💧 National Water and Sewerage Authority

💧 Environmental NGOs

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Activities

💧 Needs Assessment

💧 Sensitization Workshops

💧 Preparation of awareness building materials

💧 RWH potential mapping

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Activities

- 💧 Evaluation of Grenada Pilot Project to modify and replicate for other Member States
- 💧 Regional RWH Programme

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RWH Needs Assessment

- 💧 **Checklist for Data and Information Capture**
- 💧 **Inter-Agency Data Collection**
- 💧 **Community Data Collection (EHD)**

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RWH Needs Assessment

NAWASA

LUD

Veterinary Division

EHD

PPU

MOA-C'cou

MCPMA

GIPE

CEC

PM-CC

GCA

GHTA

GRENCODA

ART

Petite Martinique

L' Esterre

Harvey Vale

Windward

L' Esterre Primary School

Hillsborough Secondary

Princess Alice Hospital.

Worburn;

Calivigny;

Woodlands;

Westerhall;

D' Arbeau;

River Road

Rose Hill;

Mount Rose;

Levera;

Guapo.

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Assessment Findings



💧 Agency Survey

- 💧 20 % of population on Grenada practices RWH to complement public supply
- 💧 Entire islands of Carriacou and PM harvest rainwater

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- 💧 Benefits to be derived from RWH
- 💧 Potential to develop RWH among sectors
 - 💧 Construction
 - 💧 Agriculture and animal husbandry
 - 💧 Hospitality



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Assessment Findings

Community Survey

Elements Assessed	Grenada	Carriacou and Petite Martinique
Persons practicing RWH	55 %	100 %
RWH is the primary source of potable water	6 %	100 %
Preference for the consumption of rainwater	66 %	96 %
There is a need to develop RWH	91 %	85 %
Willing to practice RWH	83 %	100 %

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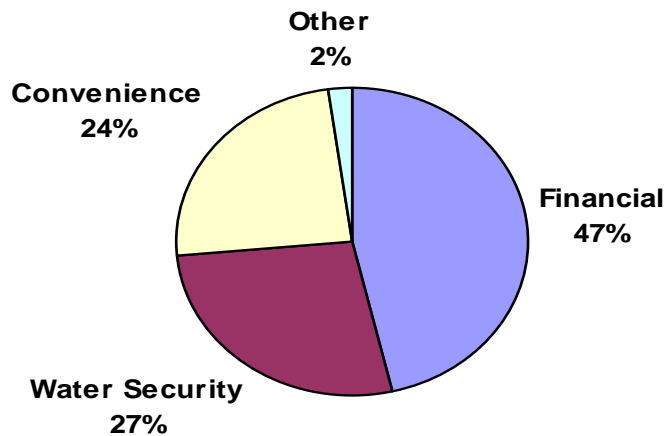
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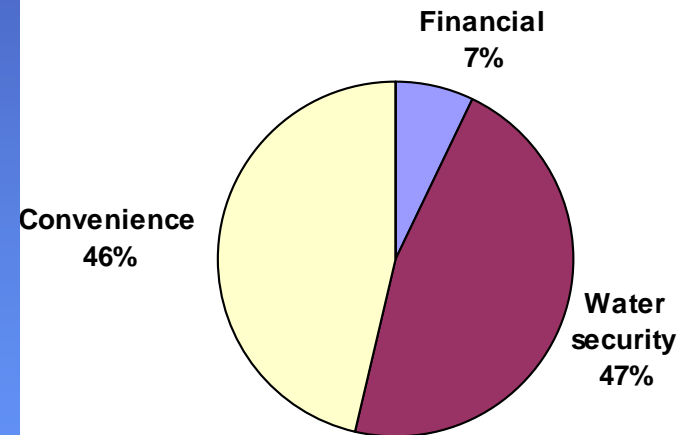
Assessment Findings

💧 Community Survey

Benefits for Practicing RWH in Grenada



Benefits for Practicing RWH in Carriacou and Petite Martinique



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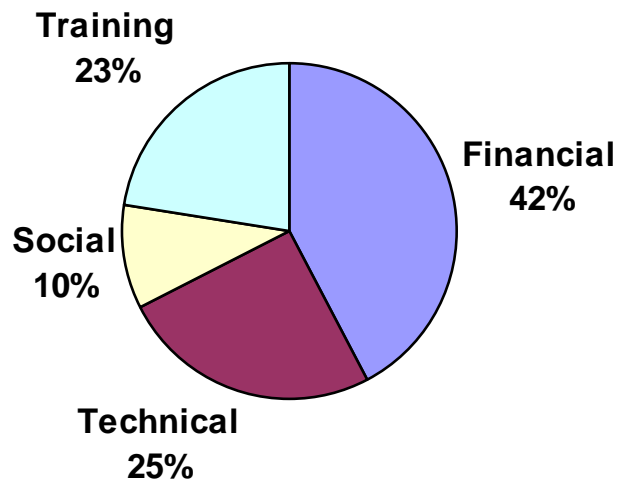
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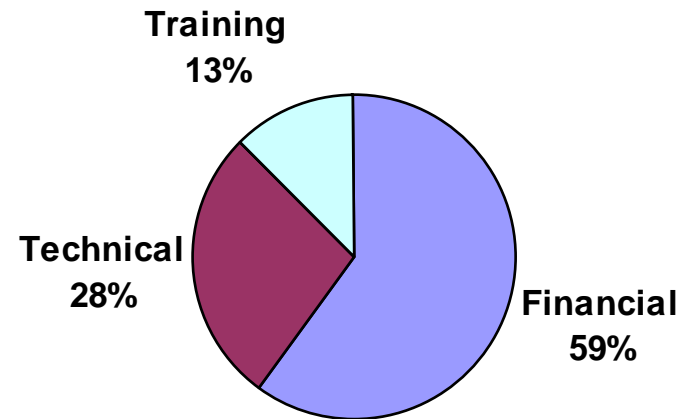
Assessment Findings

Community Survey

Incentives for RWH in Grenada



Incentives for RWH in Carriacou and Petite Martinique



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Needs and Way Forward for RWH

- 💧 Policy and incentives for RWH in Grenada, Carriacou and PM
- 💧 Incentives should be provided for RWH
- 💧 Programme for Protection, Monitoring and treatment of RWH systems
- 💧 Refurbishment of Communal Cisterns



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Needs and Way Forward for RWH

- 💧 Assistance to the less fortunate households in the acquisition of RWH systems
- 💧 Build on previous or ongoing initiatives such as:
 - 💧 RWH and Food Security
 - 💧 RWH and Poverty Alleviation
 - 💧 Work of the St. Vincent DePaul
 - 💧 Collaborate with NGOs for project proposal

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Thank you

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