

Implementation Experience of the **GOJ/Adaptation Fund Programme**

Climate Finance Readiness Seminar For National Implementing Entities Washington, DC

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Programme Overview

- Approved Programme (14th AFB - 2011) provides integrated approach to CC A and resilience building
- Implementation Period = (Oct 2012 to March 2016)
- Approved Budget ~US\$10M
- Three (3) Components



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Programme Overview

3 Components

Increasing Climate Resilience of Negril Coastline

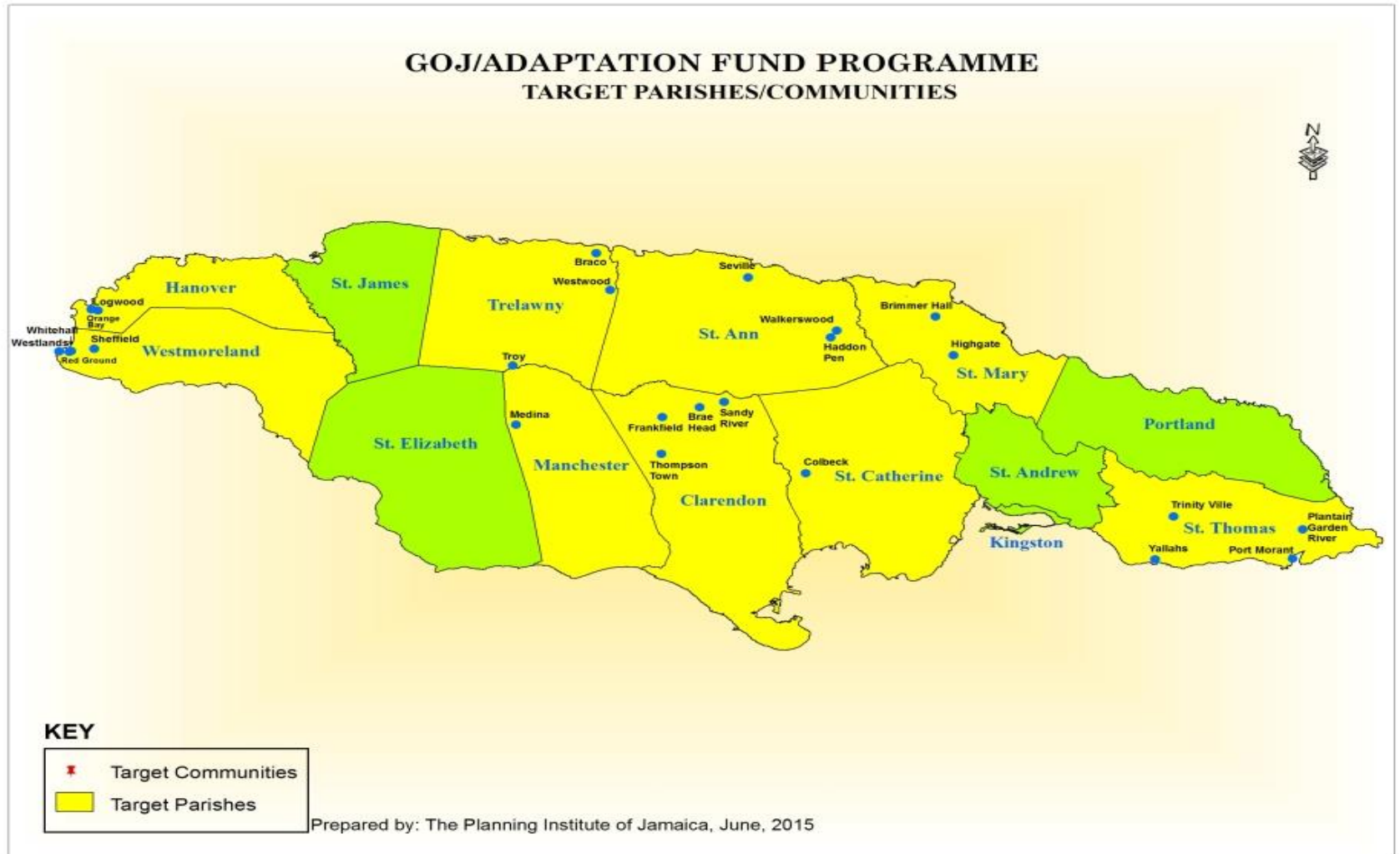
Improving water and Land Management in select communities

Building Institutional and Local Capacity for DRR and NRM

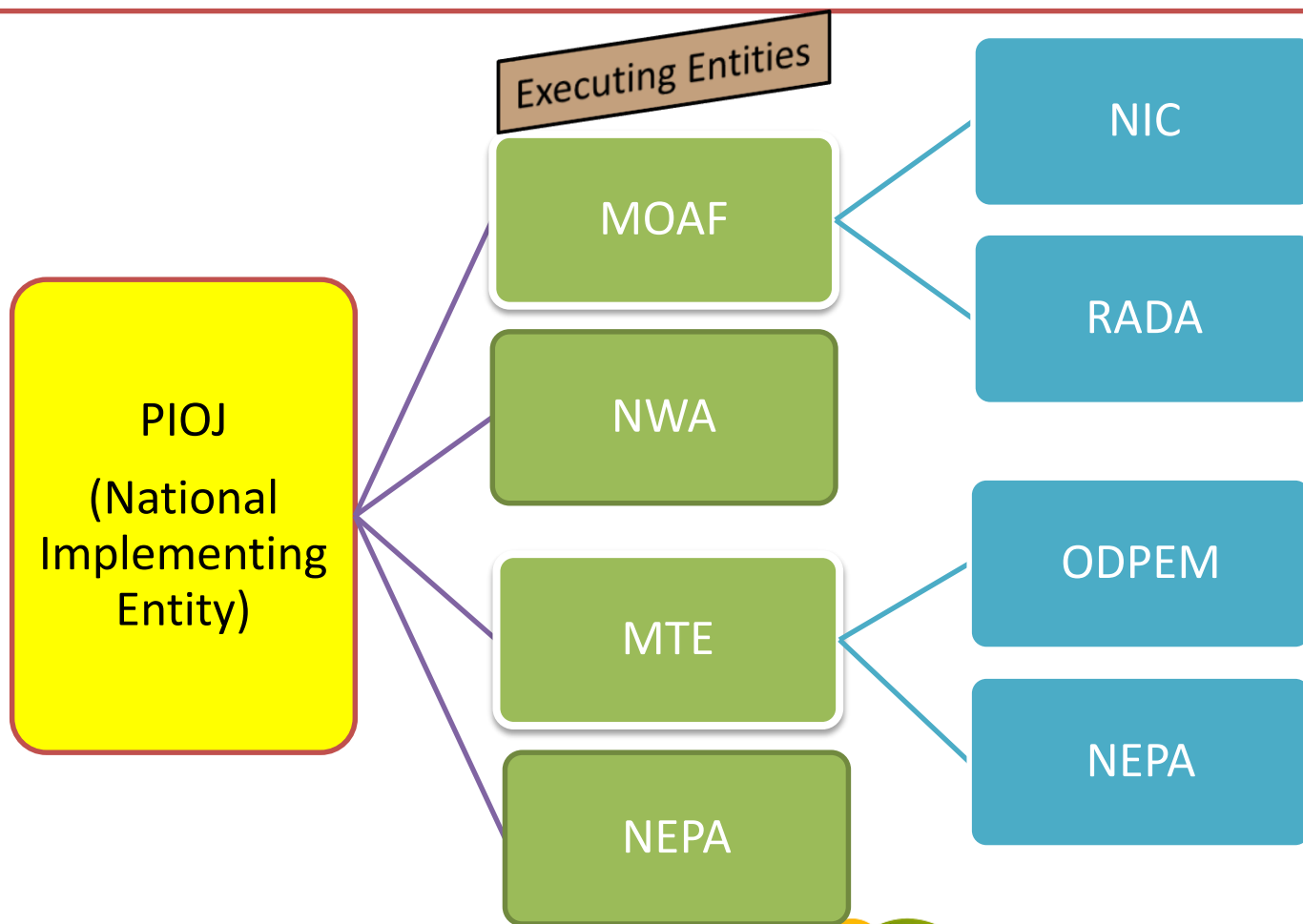


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Where in Jamaica are we Working?



Which Agencies are we Working With?



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LINK WITH NATIONAL ADAPTATION PLANNING AGENDA

- Vision 2030 Jamaica - National Development Plan: implementation for last 5 years
- Overarching objective: “*Jamaica, the place of choice to live, work, raise families and do business*”
 - Goal 4: Healthy Natural Environment
 - Outcome 13 CCA
 - Outcome 14 - DRR



LINK WITH NATIONAL ADAPTATION PLANNING AGENDA

- GOJ/AFP is part of a number of other initiatives targeting CCA and DRR as a national priority
 - Ministry of Water, Land, Environment and Climate Change; Climate Change Policy Framework and Action Plan, new division operational 2013
 - Strategic linkage between GOJ/AFP and other partners at policy and project levels, eg.
 - CSGM (UWI) – scientific research organisation
 - Ja REEACH, JSIF, INMED (projects - CC resilience focus)



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POTENTIAL IMPACTS OF **CC** ON THE AGRICULTURAL SECTOR AND COASTAL AREAS

**DECREASE IN THE
AVAILABILITY OF
WATER RESOURCES**

**REDUCTION IN
WATER QUALITY
DUE TO SALINE
INTRUSION**

**INCREASES IN
AGRICULTURAL
PESTS AND
DISEASES**

**ACCELERATED SOIL
EROSION**

**INCREASED BEACH
EROSION**

**REDUCTION IN
CROP YIELDS**

**DESTRUCTION OF
CORAL REEFS**

**DAMAGE TO
AGRICULTURAL
INFRASTRUCTURE**

**DISRUPTION TO
FOOD SECURITY**

**INCREASES
EXPOSURE OF
TOURISM
INFRASTRUCTURE**

**INCREASED BEACH
EROSION**

**INCREASED
DEMAND FOR FX
FOR FOOD
IMPORTS**



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What Have We Been Doing?

- Raising Knowledge and Awareness
- Protecting Livelihoods
- Building Capacity
- Improving Food Security
- Enabling Improved Development Planning
- Forging strategic linkages and Partnerships



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Knowledge and Awareness Raising

- Participation in public events and partner forums: Ja REEACH, INMED
- Annual National Stakeholders' Consultations for all components
- Planned media engagement activities; eg Editors' forum, JIS Think Tank (YouTube link)



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Knowledge and Awareness Raising

- CCA Training programmes/awareness sessions with communities
- Communications Plan: Vignettes, Fact Sheets/Brochures
- Newspaper articles, etc.
- Website (www.adadtja.pioj.jm)



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Main Achievements

Technical Level

- Rain-Water Harvesting (RWH) Infrastructure
 - channel the water into storage facilities to facilitate supply of water for year round crop production.
- **200 small on-farm irrigation schemes established across 7 parishes**
 - effective water management strategy change from sprinkle to drip (more effective/efficient measure)

[Water harvesting and drip systems support out-field as well as protected agriculture]



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Rehabilitated Rain Water Harvesting Infrastructure supporting Drip Irrigation – Haden, St. Ann



Main Achievements (cont'd)

Technical Level

- Training in use of innovative land husbandry techniques such as **ballasted waterways**, continuous mounds
- On steeper slopes-
 - planting cross-slope vegetation;
 - using soil and water conservation structures- terraces, earth bunds and tied ridges to optimize water capture and infiltration
 - Live barriers such as vetiver grass, pineapples



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Main Achievements (cont'd)



- 5 Demonstration Plots:
established to train farmers
how to improve their
resilience while farming on
slopes:
 - 17000 hillside ditches and individual
basins
 - <200 water ways, etc.



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Main Achievements

Technical Level

Using the **Farmer Field School** methodology:

- >**1900** farmers trained in best practices in Climate Smart Agriculture
- Farmers provided with ongoing technical assistance to implement these best practice on their holdings.



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Main Achievements

Technical Level

- Environmental Impact Assessment/NRV
- Testing and Modelling of breakwater
- Hazard and Asset Mapping
- Storm Surge Modelling
- Multi-temporal analysis – tracks/documents how physical environment has been changing
- KAP Survey



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Main Achievements

Social Level (cont'd)

- **Water Users' Groups – 8:** cooperative mechanism through which communities are empowered to efficiently manage local land and water resources
- Facilitate formalization of farmers organizations
 - enabling them to take advantage of economies of scale in their approach to marketing
 - Rural Sociologist to formalise registration of WUGs/farmers group and provide training in conflict resolution, team building, etc.



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Main Achievements

Social Level (cont'd)

Youth engagement:

- 12 schools; total population approx. 10,000 youths at primary/secondary levels exposed to concept of CCA,
- Positive response from school administrator, teachers and students
 - Peaked the interest of the students and engage them in discipline of climate smart agriculture
 - Supplement the National School Feeding Programme (learning to 'grow what you eat and eat what you grow')



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Main Achievements

Social Level (cont'd)

- Training and capacity building
 - Gender and CC (sex disaggregated data)

DRR: vulnerable communities

- >300 Fisherfolk, craft vendors, farmers
- Red Cross partnership

Linkages/synergies with other projects:



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Gender Differences in Disasters

ISSUES	FEMALE	MALE
Emergency Differing coping mechanisms	Suffer higher incidence of depression (crying and suicide ideation); Organizing community sing-a-longs and story telling;	Alcoholism, gambling and dysfunctional behaviour; Rescuing villagers and clearing roads;
Transition (rehabilitation and Recovery)	Weak access to wage earning possibilities; Women prepared one-pot meals for the community; Devoted more time to community and reproductive work.	Easier access to wages/income; Men engaged in 'marooning' teams for house rebuilding; Spend more time in productive work; abandonment of families and responsibilities.
Reconstruction Differing priorities Differing access to resources; Differing access to power in the public sphere	Priorities for shelter, economic activity, food security, and health care; Women slower to return to Labour Market; Reconstruction programmes that embark on development without the inclusion of gender analysis tools; Women's lack of involvement in governance mechanisms.	Priorities for, agriculture, Infrastructural development and economic activity; Men easy access to the Labour Market; Reconstruction programmes in construction and agricultural development that favour male participation; Gender neutral governance mechanisms that don't recognize changing gender roles and relationships, and favour male participation.



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Main Achievements

Institutional Level

- Partnerships and Complementarity
 - FAO /JSIF/ Ja REEACH /INMED
 - Enables wider geographic reach
 - More integrated approach to beneficiaries' needs
 - Leveraging existing resources /avoids of duplication of efforts
 - **Improved Capacity**
 - RADA - FFS and Curriculum development
 - Procurement and Risk Management training
 - Local authorities
 - Guidelines/standards: developed in consultative manner
- For local agencies –more climate resilient development planning (W-I-P)



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Main Achievements

Economic Level

- 800 hectares (2000 acres) of **crops established**
 - Irish potato
 - Onions
 - Cash crops
- 62% hectare reaped : Increased productivity noted
 - yielded >7000 metric tons
- **80 PPP implemented**: provided PPP starter packs (agricultural inputs) to boost domestic crop production
 - impacted >2100 farmers



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Main Achievements

Economic Level

- J\$1B income from farming activities with assistance from GOJ/AFP
- Agro Parks/import substitution (strategic direction of MOAF)



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Farmer Field School in action



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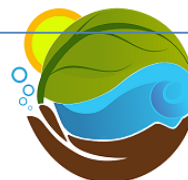
Rehabilitated Water Harvesting and drip out-field and Protected Agriculture



Challenges

- **Organisational Readiness/operationally/different fiduciary standards**
 - Lack of project management/results orientation
 - Procurement training
 - Monitoring; direct assistance
 - Recruitment, MOUs, templates, operating guidelines; hand-holding

- **Activities not implemented as planned:** technical issues eg. land tenure; in-house capacity
 - Scope change
 - Short term tech assistance employed (NIC , RADA)
 - Adjust work plans/hand holding



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CHALLENGES

▶ Limited Technical Capacity

- Short term tech assistance employed (NIC , RADA)
- Adjust work plan/ projected scope
- Partnerships
- PMU direct assistance (advt. shortlisting, etc.)

▶ Organizational Structure

- Layering – inter-agency and intra-agency) reduces robustness /flexibility
- NIE/PMU acts as ‘broker’
- MOU directly: eliminate /reduce impact of layers



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CHALLENGES

➤ Changes in key management personnel

- partner agencies going through management changes –
 - Iterative processes
 - delays execution of planned activities

PSC role

Addresses strategic issues

Approves work plan and budgets

Advocacy - Engage Executing Entities at highest level to move process along
Solicit fiscal space etc.



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CHALLENGES (cont'd)

Strong Stakeholder Resistance (Component 1)

- Increase stakeholder interfaces, discussions
- Solicit political input
- General public awareness-raising of project objective and approach
- Seek advice from AF Secretariat
- Pursue all angles for problem resolution (including formal mediation)
- Document all agreements/disseminate for transparency



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Environmental and Social Risks

- Implementation fully compliant with National standards/Regulations
 - EIA, NRV, Regulatory licences with stringent conditions
 - Some risks identified in EIA process and remedial actions being put in place to address /minimize
- Environment Management/Mitigation Plan
 - Part of the construction phase
- Monitoring of identified risks
 - Community to be formal part of monitoring mechanism
- Risk Management Training with EEs
- Grievance Mechanisms (Citizens Charter)



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ADVICE TO OTHER NIEs

- Don't under-estimate social risks in early / planning stages
- Be realistic in assessing internal capacity
- Document internal processes and procedures
- Strong governance framework/ transparency
- Differentiate stakeholders needs/interests
- Maintain open and robust communication with stakeholders
- Ensure projects are not 'stand-alone' but integrated with national priorities
- When in doubt, check it out! (stay in touch with AFB Secretariat)



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Thank You!



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Building the Resilience of the Agriculture
Sector and Coastal Areas

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