

JAMAICA
PILOT PROGRAMME FOR CLIMATE RESILIENCE

Joint Mission, July 12-16, 2010

AIDE MEMOIRE

1. Background

At the request of the Government of Jamaica (GoJ) (through the Planning Institute of Jamaica, PIOJ), a joint Inter-American Development Bank – World Bank team together with representatives of the United Nations Development Programme, UK Department for International Development and Canadian International Development Agency (CIDA) visited Jamaica from July 12-16, 2010, to conduct the first joint mission for the development of the Caribbean Pilot Program for Climate Resilience (PPCR) in Jamaica. The Mission team confirmed that there was a significant increase in the grant funding resources available under the PPCR (US \$60-75 million) for the regional pilots and that Jamaica could use as a baseline the amount of at least US\$12 million when developing its SPCR.

The objectives of the Mission were: (i) enhancing country ownership and responsibility through wider participation; (ii) stocktaking on previous, ongoing and pipeline activities; (iii) identifying priority sectors and possible preliminary actions and activities through desk review, consultation workshop/meetings, brainstorming session and field visits to the climate vulnerable hotspots, (iv) identifying necessary sector-specific adaptation activities with focus on project development and implementation, (v) support the GoJ in the formulation of a work program, timetable, roles and responsibilities for the development of the SPCR; (vi) and support the GoJ in the formulation of a funding proposal for Phase 1. The terms of reference and mission composition are attached as Annex 1. In addition, prior to the commencement of the joint mission, the PIOJ engaged a consultant to help provide leadership in the development of the proposal for financing for Phase I of the PPCR, and to help develop a small programme of activities to speedily implement tangible initiatives that will advance the climate resilience agenda and development of the Strategic Programme for Climate Resilience (SPCR).

Consultations were held with key stakeholders including representatives of key government agencies, civil society, private sector and Caribbean-wide entities. The team consulted with representatives from the focal point for the PPCR in Jamaica – the Planning Institute of Jamaica (PIOJ), together with officials of the Office of the Prime Minister (OPM), Ministry of Finance (MOF&PS), Office of Disaster Preparedness and Emergency Management (ODPEM), Ministry of Agriculture and Fisheries (MOA&F), Rural Agricultural Development Authority (RADA), Water Resources Authority (WRA), National Environment and Planning Agency (NEPA), Ministry of Tourism, Meteorological Service, Forestry Department, Local Government, Ministry of Health and the Ministry of Water and Housing. Consultations were also held with the University of the West Indies (UWI), non-governmental organizations and private sector umbrella groups, the Association of Development Agencies (ADA), Civil Society Consulting

Groups (ConSOC), the Private Sector Organization of Jamaica (PSOJ) and the Jamaica Chamber of Commerce to clarify initiatives been undertaken to promote climate change resilience. The mission team wishes to express its gratitude to the PIOJ for their cooperation, assistance and hospitality. The full list of officials/stakeholders met during the mission and the mission schedule/program are provided in Annexes 2 and 3 respectively.

The Aide Memoire summarizes the discussions and agreements reached between the Government of Jamaica, stakeholders and the Joint Mission team, and the next steps required to ensure the overall effective development of the PPCR.

2. Summary of Priorities

- There is general consensus among stakeholders on the priority areas and broad components identified for the development of the Strategic Program for Climate Resilience (SPCR) in Jamaica. The priority areas are – Water Resources; Agriculture and Food Security; Tourism; Health; and Human Settlements and Coastal Resources. The broad components were - Mainstreaming Climate Change into Sectors; Facilitating Sectoral Adaptation Measures; Strengthening Policy/Institutional Arrangements; Building Capacity for Planning and Forecasting and; Climate Change Education and Awareness.
- The development of the PPCR in Jamaica will be anchored in the Second National Communication (it is expected to be completed by October, 2010), the national action plan for climate change (currently in draft form but is expected to be revised) and Vision 2030 Jamaica - National Development Plan.
- A draft matrix of the priority areas, components and associated initiatives was developed and is provided in Annex 4. In the development of the matrix, it was determined that there are cross cutting issues and activities which apply to all areas of concern and have to be reflected in the development of the SPCR. These were identified as:
 - a. Data management
 - b. Risk information platform – this will build upon existing and proposed information and systems such as the National Land Use Policy Framework. Hazard mapping is a tool that will be included.
 - c. Land Use Policy Framework – subsumed within the framework are the national land policy review, agriculture land use policy and the Sustainable Land Management project
 - d. Training, e.g. sectoral valuation of the impacts of climate change
 - e. Integration of disaster risk management in all sectors
 - f. Climate Change education and awareness communication strategy

- g. Harmonization of national climate change strategies with the regional climate change strategy
 - h. Business continuity planning
 - i. National Climate Change Policy and Action Plan.
- The issue of data management for the effective mainstreaming of climate change into the development process continues to be a strong concern for stakeholders and this concern or component is expected to be strongly reflected in the SPCR. Similarly, public awareness / education on climate change is a major concern for all sectors and interests, including both private sector and civil society.
 - It was determined that the institutional arrangements for responding to climate change in Jamaica have to be clarified and these arrangements should be reflected in the SPCR. In this regard, it was suggested that there is need to sensitize the Public Sector Transformation Unit on the importance of having institutional arrangements for the mainstreaming of climate change in the public sector. Additionally, it was suggested that the PPCR could assist in the development of the country's climate change policy.

3. Agreements

The following were agreed to with the Government of Jamaica:

- i. There was general agreement on the priority areas and draft program matrix with the understanding that a few areas required some clarification, specifically those related to agriculture (irrigation and fisheries) and local government. Follow-up on the inputs of these two areas is needed, particularly to determine the implications of expected local government reform on the proposed activities within this area.
- ii. A draft of a small program of activities for early intervention related to climate change resilience is to be prepared by August 16, 2010.
- iii. The draft of the proposal for financing of the preparation of the Strategic Program for Climate Resilience (SPCR) will be prepared by August 31, 2010. The draft will be circulated by PIOJ to relevant stakeholders for review and then submitted for comment to the IDB/WB and development partners by September 15, 2010.

4. Next Steps

1. Submission of the draft Aide Memoire by July 23, 2010.
2. The consultant will continue with the process of the stocktaking of climate change related initiatives; a draft is to be submitted by July 30, 2010

3. PIOJ will follow-up on the progress of the National Flood Control Legislation which has a direct bearing on the process and activities being considered under the PPCR.
4. The PIOJ will continue consultations with key stakeholders including civil society and private sector groups on the development of the PPCR. Consultation will also take place with the Disaster Risk Reduction Centre (DRRC) at the University of the West Indies, Mona.
5. Submission of financing proposal for the development of the SPCR to the PPCR Subcommittee by September 30, 2010.

July 21, 2010



Ms. Barbara Scott
Director
External Cooperation Management Division
Planning Institute of Jamaica



Mr. Gerard Alleng
Climate Change Specialist
Inter-American Development Bank



Mr. Enos Esikuri
Senior Environmental Specialist
World Bank

ANNEX 1

Joint Inter-American Development Bank / World Bank, First Joint Mission for Jamaica Pilot Programme for Climate Resilience (PPCR)

July 12-16, 2010

Terms of Reference

A. Introduction

The Government of Jamaica (GoJ), in accordance with the PPCR guidelines, has requested a Joint MDB Mission to take place during July 5–14, 2010. The objective of the mission is for the Inter-American Development Bank (IADB) and the World Bank Group (WBG) to assist Jamaica in formulating the Strategic Program for Climate Resilience (SPCR) and investment program of priority actions for integrating climate resilience into core development planning and key sector strategies and actions.

The GoJ, through the PPCR focal point at the Planning Institute of Jamaica will lead and coordinate the joint mission with support from the MDBs. The mission team will work in close cooperation with the mission will work in close cooperation with relevant UN agencies, multi / bilaterals, private sector and NGOs.

The joint mission will prepare an aide memoire which takes stock of the extent and scope of activities and details the design and implementation arrangements for SPCR.

B. Stocktaking and Assessment

Jamaica, a small island developing state, is particularly vulnerable to climate change. Approximately two-thirds of the population of about 2.8 million people lives in coastal towns and communities, that is, within 2 km of the coast. In addition, it is estimated that 75% of industries and service sector that generate some 90% of GDP are located in the coastal zone. The country has low human development indicators - 18.7% national poverty head count with 25.1% rural and 12.8 % urban (2000). These could be further threatened by Climate change. For example, it is estimated that by 2025 the cost for Jamaica could be 13.9% of GDP (based on 2004 GDP), 27.9 % by 2050, 42.3 % by 2075 and approximately 57% by 2100. Likely impacts include increased coastal flooding, storm surge, erosion and other coastal hazards – leading to extensive impacts to coastal infrastructure and communities, tourism infrastructure and coastal ecosystems; agriculture; health; drought from reductions in water resources and increased invasion of non-native species, which may include pest infestations.

The Government of Jamaica through its Vision 2030 Jamaica: National Development Plan has outlined its priorities and actions with regard to climate change in its combined sector plan on Natural Resources and Environmental Management and Hazard Risk Reduction and Climate Change (2007). A primary focus will be to adapt to climate change through mainstreaming climate risks into government policies and plans, identifying strategic priorities, adoption of best practice, and as promoting greater public awareness of the issue. Jamaica's National Communication to the United Nations Framework Convention on Climate Change (UNFCCC) highlights that in the coastal zones (which include infrastructure, tourism facilities, and natural ecosystems); the water resources and agriculture sectors are highly vulnerable to the impacts of climate change.

Implementation Potential:

There are a number of activities related to the mainstreaming of climate change into the development process that are currently ongoing which will be helpful to the implementation of the PPCR. The Second National Communication (SNC) to the United Nations Framework Convention on Climate Change is expected to be completed by the end of the first semester of the year and the document is linked to the national development plan for Jamaica - Vision 2030; a draft of an Action Plan for adaptation and mitigation activities in Jamaica has been developed but has to be completed; the PIOJ has been nominated to serve as the national implementing entity (NEI) for the Adaptation Fund and there is already one project that could be considered for submission to the Fund, that is the Negril adaptation project focusing on coral reefs and seagrass systems, beach replenishment and beach defenses. The Climate Change Adaptation and Disaster Risk Reduction project is currently being developed to strengthen climate change to increase resilience and reduce risks associated with climate change. Further, climate change factors were included in the recently concluded pilot phase of the Risk and Vulnerability Assessment Methodology Development Project (RiVAMP). In addition, there are significant private sector opportunities under the PPCR in Jamaica, mainly in the hotel industry.

C. PPCR Preparation and Implementation

It is critical that PPCR avoids duplicating activities that are already on-going. Cooperation and synergy will be established with other ongoing national and regional programs addressing climate resilience and adaptation. Partnering with such related programs and building on achievements will enable PPCR moving into the investment phase much more swiftly.

Overall, the PPCR Phase 1 preparation will draw upon expertise from, and complement planned and ongoing initiatives by local communities, local and national Government, bilateral and multilateral development partners including the IADB, WBG, United Nations Development Program (UNDP), Department for International Development (DFID), United Nations Environmental Program (UNEP), civil society organizations (CSOs), research institutions, and other international and national NGOs. It will include assessment of policy and regulatory reforms and institutional arrangements needed to facilitate the integration of climate risks and opportunities that may arise from climate change adaptation in development planning and in decision-making by the Government of Jamaica, civil society and the private sectors.

PIOJ will be the focal government body for implementing and coordinating PPCR Phase 1 and 2 activities with active participation of the Office of the Prime Minister (OPM), Ministry of Finance (MOF&PS), Office of Disaster Preparedness and Emergency Management (ODPEM), Ministry of Agriculture and Forestry (MOA&F), Water Resources Agency (WRA), National Environment and Planning Agency (NEPA), Meteorological Service Jamaica, Forestry Department, National Water Authority (NWA), Ministry of Energy and Mining and Private Sector Organization of Jamaica (PSOJ).

D. Pre-mission Activities

In October 2009, the IADB hosted the PPCR Caribbean Kick-off Meeting in Washington DC, which began the dialogue on the Caribbean Regional PPCR program with the participating countries, including Jamaica, and regional organizations. The MDB teams provided an update on the program's framework and jointly with countries and regional organizations looked at the state-of-play of existing and planned regional activities on climate resilience. During this meeting Jamaica had the opportunity to explore areas of activities, potential benefits and the importance of the supportive role of the regional track to the development and implementation of the Jamaica SPCR.

At the request of the GoJ (through the PIOJ), a joint IADB – World Bank team together with representatives of DFID and the United Nations Development Program visited Jamaica from January 13-15, 2010, to conduct a scoping mission for the PPCR. The main purpose of the mission was to briefly introduce the objectives, structure and phases of the PPCR to key government agencies and ministries; discuss on the institutional arrangements necessary for the preparation and eventual implementation of the PPCR in Jamaica; and assist the government with the overall preparation work for the development of the program.

The country's MDB teams briefed relevant ministries and agencies on PPCR programming details and implementation modalities. Several dialogues have been initiated by the MDBs with the relevant Government focal points to identify key activities undertaken or on-going that may contribute to PPCR preparation. More detailed meetings and consultations were held with the various stakeholders, including representatives of private sector, academic and environmental organizations and international donor organizations.

The MDB teams have started collecting and collating relevant documents to gain an overview on the consideration of climate resilience in development planning and budgets, sectoral policies, frameworks, etc. The IADB and the WB have also conducted preliminary assessment and identified vulnerable sectors and possible adaptation options in Jamaica.

E. Mission Objectives, Outputs and Process

Mission Objective:

The objectives of the Mission are: (i) enhancing country ownership and responsibility through wider participation; (ii) stocktaking on previous, ongoing and pipeline activities; (iii) identifying priority sectors and possible preliminary actions and activities through desk review, consultation workshop, brainstorming session and field visits to the climate vulnerable hotspots, (iv) identifying necessary sector-

specific adaptation activities with focus on project development and implementation, (v) support the GoJ in the formulation of a work program, timetable, roles and responsibilities for the development of the SPCR; (vi) and support the GoJ in the formulation of a funding proposal for Phase 1.

Under the coordination and overall guidance of PIOJ, the mission will organize a broad-based consultation workshop over two days that will include government agencies, CSOs, research/academic institutes, private sector, and other development partners.

The consultation workshops will be around three thematic working groups in order to identify the needs (in line with the priorities identified under Vision 2030 and the Second National Communication) that may be addressed under the Phase 1:

- i. Agriculture and Food Security
- ii. Water Resource Management
- iii. Public Health
- iv. Data and data management
- v. Tourism

Mission Outcomes

The expected outcomes are:

- i. First draft of proposal for the development of the Jamaica Strategic Program for Climate Resilience. The proposal should include:
 - 1. Stocktaking of past, present and planned activities;
 - 2. Work program and indicative timetable of activities;
 - 3. Coordination with other development partners;
 - 4. Link to the regional SPCR;
 - 5. Communication and outreach strategy;
 - 6. If more analytical work is urgently needed to support the policy, institutional and investment choices of the PPCR
- ii. Funding proposal for the development of the Jamaica Strategic Program for Climate Resilience
- iii. Joint Mission report

F. Mission Composition

Mission member	Agency	Expected focal areas and contributions
MDBs		
Gerard Alleng Climate Change Specialist	IDB	Mission Co Leader To jointly design, prepare and lead work plan, consultations and the design of Phase 1 proposal. Review opportunities to strengthen climate resilience with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments. Ensure overall completeness and quality of PPCR Phase 1. Draft Aide Memoire and Phase 1 proposal.
Laura Gaensly CIF Programs Coordinator	IDB	Assist PPCR team leader with PPCR coordination, preparation and implementation; including joint missions' preparation and missions' outcomes. To review general analytical needs, particularly with regards to climate change trends, sectoral impacts and adaptation options. Draft Aide Memoire and Phase 1 proposal.
Gregory Dunbar Operational Specialist	IDB (Jamaica office)	Assist with the coordination, preparation and mission outcomes. Organize the sector consultations in coordination with the GoJ and MDB team members. Consolidate inputs from consultations with civil society, decentralized regions and private sector. Draft Aide Memoire and Phase 1 proposal.
Cassandra Rogers Risk Management Specialist	IDB	To jointly design, prepare and lead the sector consultations on risk management and vulnerability reduction. To assess how climate risk management and climate-related disaster risk reduction are handled by the relevant institutions; identify opportunities to enhance risk reduction responses in national development and sector policies, plans and regulatory frameworks; mechanisms for incorporating climate change adaptation and disaster risk reduction into fiscal and budgetary processes.
Stefan Wright, Private Sector Specialist	IDB (Jamaica office)	To jointly design, prepare and lead consultations with private sector. To assess how private sector companies and financial institutions can participate in the PPCR.
Enos Esikuri Sr. Environmental Specialist	WB	Mission Co Leader To jointly coordinate and lead mission activities. Review planning and strategic needs. Ensure engagement of key stakeholders. Take the lead in the overall review and consolidation of inputs to the Phase 1 proposal (work plan and funding proposal). Ensure overall completeness and quality of PPCR Phase 1. Aide memoire and Phase 1 proposal.
Althea Spence Operations Analyst	WB (Jamaica Country Office)	To assist and participate in the sector consultations. To review opportunities to strengthen climate resilience in key sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
Kalim Shaw	IFC	To jointly coordinate and co-lead mission activities, and provide perspectives on the private sector roles and needs to the Program. Review and support consolidation of inputs to Phase 1 proposal.
Development Partners		

Margaret Williams Jones	UNDP	To provide perspective from UN agencies and assist the mission to assess complementarities with UN agencies ongoing and future programs and initiatives
Geraldine O'Callaghan Head of office	DFID	To provide perspective from DFID and assist the mission to assess complementarities with DFID ongoing and future programs and initiatives.
Kineo Nishiyama, Lorna Wallace	JICA	To provide perspective from JICA and assist the mission to assess complementarities with JICA's ongoing and future programs and initiatives.
Sekeywi Carruthers Development Officer	CIDA	To provide perspective from CIDA and assist the mission to assess complementarities with CIDA ongoing and future programs and initiatives.

H. Contacts

The focal point contact details for the Government and MDBs is follows:

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ANNEX 2

List of Organizations and Representatives Interacted with during Joint Mission

Name	Organizations
Barbara Scott, Claire Bernard, Hopeton Peterson, Reynaldo Thompson, Allison Richards, Andrea Shepherd Stewart, Le-Anne Roper, Albert Daley, Elizabeth Emanuel, Saskia Frater-Smith, Martin Philips	Planning Institute of Jamaica (PIOJ)
Leonie Barnaby	Office of the Prime Minister (OPM) – Environmental Management Division
Philbert Brown	OPM - Department of Local Government
Carol Nelson, Tracy-Ann Treasure	Ministry of Finance and the Public Service
Pauline Brown, Ronald Jackson	Office of Disaster Preparedness and Emergency Management (ODPEM)
Georgia Marks-Doman	Ministry of Agriculture & Fisheries
Anthony McKenzie	National Environment and Planning Agency (NEPA)
Basil Fernandez, Geoffrey Marshall	Water Resources Authority (WRA)
Sylvia McGill, Jeffery Spooner, Clifford Mahlung	Meteorological Services Jamaica
Tina Williams	Ministry of Tourism
Marilyn Headley, Keith Porter	Forestry Department
Sherine Huntley	Ministry of Health
Sandra Buchanan	Ministry of Water and Housing
Eistin McLean	Rural Agriculture Development Authority (RADA)
Amsale Maryam, G. Michael Thorney	Association of Development Agencies (ADA)
Morin M. Seymour	Civil Society Consulting Groups (ConSOC) / Kingston Restoration Company
Omar Chedda	Private Sector Organization of Jamaica (PSOJ)
Philmore Ogle, Laura Ogle	Jamaica Chamber of Commerce
Michael Taylor	University of the West Indies
Malden Miller, Raina Spence	USAID
Kineo Nishiyama, Lorna Wallace	Japan International Cooperation Agency (JICA)
Sekeywi Carruthers	Canada International Development Agency (CIDA)
Geraldine O'Callaghan	Department for International Development (DFID)

ANNEX 3

Meeting Schedule Pilot Programme for Climate Resilience Identification Mission July 12-16, 2010

Mission Team: Gerard Alleng, Cassandra Rogers, Laura Gaensly, Stefan Wright and Gregory Dunbar
IDB: Enos E. Esikuri and Althea Spence
World Bank: Kalim Shaw
IFC: Geraldine O’Callaghan
DFID: Margaret Jones
UNDP: Sekeywi Carruthers
CIDA: Kineo Nishiyama, Lorna Wallace
JICA:

Day and Time	Topic	Participants	Venue
Monday, July 12, 2010			
9:00 a.m. – 11:00 a.m. (Confirmed)	Opening Meeting <ul style="list-style-type: none"> • Mission objectives • structure, and phases of the PPCR • Proposed timeline for development of Strategic Plan for climate resilience for Jamaica (Phase 1) • Implementation structure • Development of Climate resilience programme 	Mission Team: OPM: Leonie Barnaby PIOJ: Barbara Scott, Claire Bernard, Elizabeth Emmanuel, Hopeton Peterson, Reynaldo Thompson, Le-Anne Roper, Andrea Shepard-Stewart MOF&PS: Rose Lemonious-Stewart, Carol Nelson ODPEM: Ronald Jackson, Pauline Brown MOA&F: Georgia Marks-Doman WRA: Basil Fernandez, Geoffrey Marshall NEPA: Anthony McKenzie	PIOJ (Board Room)

Day and Time	Topic	Participants	Venue
2:00 p.m. - 4:00 p.m. (Confirmed)	Areas for collaboration	<p>Met Office: Sylvia McGill, Jeffery Spooner</p> <p>Forestry Dept.: Marilyn Headley</p> <p>Tourism: Tina Williams</p> <p>PSOJ: Omar Cheddar</p> <p>MOH: Sherine Huntley</p> <p>ADA: Mariam Amsale</p> <p>Mission Team:</p> <p>UNDP: Margaret Jones Williams</p> <p>JICA: Kineo Nishiyama</p> <p>USAID: Malden Miller, Clarke Hilliard</p> <p>PIOJ: Andrea Shepard-Stewart, Hopeton Peterson, Reynaldo Thompson</p>	PIOJ (Lignum Vitae)
Tuesday, July 13, 2010			
9:00 a.m. – 1:00 p.m.	<ul style="list-style-type: none"> • Water sector adaptation • Role of MET Office in reducing vulnerability to climate change • Support for risk mitigation measures. • Watershed Management • Agriculture sector adaptation 	<p>Met Office: Sylvia McGill, Jeffery Spooner</p> <p>Forestry Dept.: Marilyn Headley, Keith Porter</p> <p>WRA: Basil Fernandez, Geoffrey Marshall</p> <p>MOWH: Sandra Buchanan</p> <p>NEPA: Anthony McKenzie</p> <p>OPM: Leonie Barnaby</p> <p>Mission Team,</p> <p>MOA&F: Georgia Marks-Doman</p>	PIOJ (Lignum Vitae)
2:30 p.m. – 4:00 p.m. (Confirmed)			PIOJ (Lignum Vitae)

Day and Time	Topic	Participants	Venue
		<p>NIC: Joseph Gile</p> <p>RADA: Phillip Chung</p> <p>PIOJ: Hopeton Peterson, Reynaldo Thompson</p>	
Wednesday, July 14, 2010			
9:00 a.m. – 1:00 p.m.	Meeting with Civil Society	<p>Mission Team: Kgn Restoration Co.: Morin Seymour</p> <p>ADA: Michael Thorny</p> <p>PIOJ: Hopeton Peterson, Le-Anne Roper</p>	
4:00 – 6:00 p.m.	<ul style="list-style-type: none"> Private Sector Meeting 	<p>Mission Team</p> <p>IDB (private sector): Mr. Stefan Wright, Ms Carina Cockburn</p> <p>IFC: Kalim Shaw</p> <p>PIOJ: Albert Daley</p> <p>PSOJ: Omar Chedda</p> <p>Jamaica Chamber of Commerce: Philmore Ogle</p>	
Thursday, July 15, 2010			
9:00 a.m. – 1:00 p.m. (Confirmed)	<ul style="list-style-type: none"> Issues on climate change and impact on Jamaica. Disaster risk reduction and climate change Human Settlements 	<p>Mission Team:</p> <p>UWI: Michael Taylor –Senior Lecturer – Physics Dept.</p> <p>Dept. of Local Govt.: Philbert Brown</p> <p>NWA: Patrick Rose</p> <p>NEPA: Peter Knight, Anthony McKenzie</p> <p>MOH: Sherine Huntley</p>	PIOJ (Lignum Vitae)

Day and Time	Topic	Participants	Venue
		Tourism: Tina Williams ODPEM: Ronald Jackson, Pauline Brown PIOJ: Hopeton Peterson, Reynaldo Thompson	
Friday, July 16, 2010			
9:00 a.m. – 11:00 a.m. (Confirmed)	Closing Meeting:	Mission Team:	PIOJ (Clement Jackson)
	Review and Finalizing Aide Memoire	OPM: Leonie Barnaby PIOJ: Claire Bernard, Elizabeth Emmanuel, Hopeton Peterson, Reynaldo Thompson, Le-Ann Roper, Andrea Shepard-Stewart MOF&PS: Carol Nelson	

ANNEX 4

Broad components and priority areas for the PPCR in Jamaica

Components	Priority Areas				Human Settlements & Coastal Resources
	Water Resources	Agriculture & Food Security	Tourism	Health	
1. Mainstreaming Climate Change (CC) into Sectors		1. Agricultural risk management as it relates to CC		1. Vulnerability assessment of the sector to climate related hazards	1. Integration of multiple climate related hazards into parish disaster plans.
Cross - Sectoral	National Climate Change Policy & Action Plan ; Disaster Risk Management				
2. Facilitating sectoral adaptation measures	1. Scaling up of rainwater harvesting program	1. Expansion of watershed management program. 2. Diversification of fisheries - increased promotion of freshwater fishery 3. Irrigation	1. Product diversification	1. Implementation of Water storage management program 2. Early Warning system – response mechanism to climate sensitive diseases; can be scaled up to regional level. 3. Renewable energy systems; enhanced response to disasters.	
3. Strengthening policy / institutional arrangements	1. Development of a flood master plan			1. Data management systems	1. Enhance strategic environmental assessment mechanisms
Cross -Sectoral	Development of a National Land Use Policy Framework				
4. Building capacity for planning and forecasting, including the use of appropriate tools	1. Enhanced water modeling capacity and monitoring e.g. replicate the Yallahs project 2. Quantification and quality analysis of water	1. Strengthening the capacity of community groups to adopt land management practices related to CC 2. Improved management of coastal and marine ecosystems that support fisheries	1. Increased institutional capacity within the ministry (and its entities) for tracking climate change issues.		1. Improvement to beach management – monitoring, implementing best practices, addressing setbacks, etc. 2. Strengthening of local authorities - a. Parish Disaster Comm.; Local Dev. Planning. 3. Strengthening national

	resources			authorities for planning
Cross- Sectoral	National Risk Information Platform – hazard mapping; vulnerability and risk evaluation tools; business continuity planning;			
5. CC education and awareness	1. Increased use of demonstration plots	1. Translating CC information into language that is understood by all stakeholders	1. Increased support to on-going and potential programmes	
Cross-Sectoral	Broad program of knowledge enhancement and awareness building across sectors and stakeholders including MOF and other GOJ staff; Climate change communication strategy; translation of climate change, Climate change related information into economic terms.			

Regional Linkage					
Data Management	Water Resources	Agriculture & Food Security	Human Settlements & Coastal Resources	Health	CC communication
6. Improvement in data modeling / monitoring	Formation of a water managers forum	Research on climate resilient crops – e.g. expand work of UWI/CARDI	UWI to look at climate resilient buildings	Early warning dengue platform - responsive mechanisms to climate sensitive diseases.	Dissemination of information to promote greater awareness and the use of best practices.

