

**Caribbean Regional Pilot Program for Climate Resilience
Terms of Reference and Budget Proposal
Joint Multilateral Development Bank Missions to Support
the Development of the Strategic Programs for Climate Resilience
Haiti, the Regional Program, and Jamaica**

BACKGROUND

The Caribbean has accepted the invitation extended by the Pilot Program for Climate Resilience (PPCR) Sub-Committee on May 14th, 2009, to join the program as one of its two regional pilots. The Caribbean pilot has a regional approach that will proceed along two closely linked and complementary tracks (i) country based investments in six highly vulnerable nations—Haiti, Jamaica, Dominica, Grenada, St. Lucia, and St. Vincent and the Grenadines; (ii) region-wide activities including data management and monitoring for improving understanding of climate risks and potential impacts, as necessary to take actions to enhance to enhance climate resilience, coupled with activities to tackle risks and vulnerabilities common to all Caribbean countries. The regional track will work through key entities in the Caribbean region, such as the Caribbean Community (CARICOM) agencies, e.g., CCCCC, and the Organization of Eastern Caribbean States (OECS), to provide the scientific analysis so that countries can incorporate climate resilience into their national climate change strategies as well as in regional planning strategies, policies and financing mechanisms. The two tracks will thus be synergistic—the regional activities will supplement and strengthen the country-led programs and activities and also extend public good benefits and lessons learned from the pilot program to all CARICOM member countries.

Following requests from the Government of Haiti and Jamaica and consultations with regional organizations as well as Dominica, Grenada, St. Lucia, and St. Vincent and the Grenadines, in accordance with the PPCR guidelines, the Inter-American Development Bank (IDB) and the World Bank Group (IDA/IBRD and IFC) intend to organize joint missions to Haiti and Jamaica and the regional organizations between June and July, 2010. Requests for joint missions from Dominica, Grenada, St. Lucia, and St. Vincent and the Grenadines are foreseen to follow over the coming months as well. Initial joint scoping missions have been undertaken in all countries. The dialogue with the regional organizations involving country representatives was initiated in late October, 2009.

The Terms of Reference for the requested 1st Joint Missions to Haiti, the Regional Program, and Jamaica including the status of the respective dialogue to date are included in Annexes 1, 2 and 3. The joint budget proposal for the Multilateral Development Bank support includes the cost estimate from the initial engagement with the pilot countries and regional agencies through to the development of the regional and national Strategic Programs for Climate Resilience (see Annex 4). The considerable variation in estimated costs between countries stem, in part, from the extent of field office presence or the lack thereof by the respective MDBs.

Caribbean Regional Pilot Program for Climate Resilience—Haiti
Joint MDB Support to the Development of the Strategic Program for Climate Resilience

HAITI First Joint Mission: June 7 – 12, 2010

A. Introduction

The Government of the Republic of Haiti (GoRH), in accordance with the PPCR guidelines, has requested the first joint Multi-lateral Development Bank (MDB) mission to take place from June 7-12, 2010. The objective of the mission is for the World Bank Group (WBG) and the Inter-American Development Bank (IDB) to assist the GoRH in the formulation of the Phase 1 proposal. The purpose of Phase 1 proposal is to establish the GoRH's Strategic Program for Climate Resilience (SPCR) and subsequent investment program of priority actions related to the integration of climate resilience principles into core development planning and key sector strategies and actions as one of the pilots under the Caribbean Regional PPCR.

The PPCR focal point at the Comité Interministériel d'Aménagement du Territoire (CIAT)¹, will lead and coordinate the joint mission with support from the Multi-lateral Development Banks previously identified (MDBs). The mission team will work in close cooperation with other agencies, especially the United Nations Development Program (UNDP), the United Nations Environmental Program (UNEP), the United States Agency for International Development (USAID), the Canadian International Development Agency (CIDA), and also with the private sector and NGOs.

The first joint MDB mission will prepare an Aide Memoire which takes stock of the extent and scope of activities and details the design and implementation arrangements for the Phase 1 of the Haiti PPCR. The mission will also identify the potential role of and support from regional organizations in the implementation of Phase I; this will be further considered in the joint mission for the Caribbean Regional-track which will involve representatives from Haiti, set for the following week—14-15 June, 2010.

B. Stocktaking and Assessment

Haiti, with a total surface area of 27,000 sq/km and approximately 9.2 million inhabitants is one of the most densely populated and vulnerable countries in Latin America to adverse natural events and subsequently climate change. The impacts of these events—which include extensive flooding, mudslides, coastal surges and droughts—are exacerbated by a litany of factors, which include severe environmental degradation, dense settlements in low lying areas, high levels of poverty, limited public infrastructure and a history of weak governance. The vulnerability of Haiti to adverse natural events was underscored during the 2008 hurricane season when Tropical Storm Fay and Hurricanes Gustav, Hannah and Ike (FGHI) hit Haiti over the course of a 3 week period, inflicting damages and losses estimated at roughly US\$900 million or 15 percent of GDP.² With a projected increase in the intensity of storms, longer dry spells and unrelenting sea-level rise, Haiti's requires a

¹ Composed of : Ministry of Economy and Finance, Ministry of Planning and External Communication, Ministry of Public Work, Transport and Communication, Ministry of Interior and Municipalities, Ministry of Agriculture, Rural Development and Natural Resources, and Ministry of Environment.

² 2008 Post-Disaster Needs Assessment, Ministry of Planning and External Cooperation.

comprehensive and integrated approach towards the management of the risks associated with, inter alia, changing global and regional weather patterns.

The GoRH through its 2004 *National Action Plan for Adaptation* has outlined its sectoral priorities and actions with regard to climate change. These elements have been reiterated in the *Haitian Poverty Reduction Strategy Plan* (2008) and subsequently in the *Haitian Action Plan for Recovery and Reconstruction* (2010) prepared following the catastrophic earthquake of January 12, 2010. The common denominator in these strategic proposals is the mainstreaming of disaster risk reduction and climate adaptation principles into government policies and plans. Haiti's First National Communication to the United Nations Framework Convention on Climate Change (UNFCCC) highlights that coastal zones (which include infrastructure, tourism facilities, and natural ecosystems) and the water resource 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 First National Communication to the UNFCCC was published in 2006, and the Second National Communication is expected to be published by the end of the 2010 calendar year. The Second National Communication will build on the *National Action Plan for Recovery and Reconstruction* which was presented to the international community at the Haiti donor's conference on March 31, 2010.

One of the objectives of the first joint mission will be to identify a national implementing agency (NIA) for the Adaptation Fund. While the CIAT is the ideal partner for matters related to transversal (multi-disciplinary) strategy and coordination, it does not have an executing mandate. Some options have been identified and will be examined during the mission; one of these options would be to place the implementation responsibilities into an existing project implementation unit of the MDB's that has a proven fiduciary and financial management track record.

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, adaptation and disaster risk reduction. 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 bilateral and multilateral development partners including the IDB, WBG, UNDP, UNEP, USAID, CIDA, other bilateral agencies, 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 GoRH, civil society and the private sectors.

CIAT will be the focal government body for coordinating PPCR Phase 1 and 2 activities with active participation of its signatory members. In addition to its signatory ministerial members, Phase 1 will solicit input from the following agencies:

- National Geo-Spatial Information Center (CNIGS)

- Vulnerability Reduction Unit w/in the Ministry of Planning and External Communications (CRV)
- National Environmental and Vulnerability Observatory (ONEV)
- National Directorate for Potable Water and Sanitation (DINEPA)
- National Water Resource Service (SNRE)
- National Commission on Food Security (CNSA)
- National Center for Meteorology (CNM)

In support of the first joint MDB mission, the GoRH will mobilize the sectoral groups in health, education, transportation, and energy and watershed management to facilitate the consultations.

D. Pre-mission Activities

In October 2009, the IDB 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 Haiti, 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, Haiti 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 Haiti SPCR.

At the request of the GoRH (through the CIAT), a joint WBG/IDB team visited Haiti from November 9-13, 2009, to conduct a scoping mission for the PPCR. The main purpose of the mission was to (i) briefly introduce the objectives, structure and phases of the PPCR to key government ministries and their respective technical and financial partners; (ii) discuss the institutional arrangements necessary for the preparation and eventual implementation of the PPCR in Haiti; and (iii) assist the GoRH in the identification of their immediate needs to facilitate the preparation of the first joint scoping mission.

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 GoRH focal points to identify key activities undertaken or on-going that may contribute to the preparation of the Phase I proposal. These included (i) an ongoing comprehensive stocktaking exercise targeting past, ongoing and pipeline activities related to climate adaptation and mitigation; (ii) extension and further application of the stakeholder consultation undertaken after the January 12, 2010, earthquake as part of the *Post Disaster Needs Assessment*; and (iii) the identification of priority sectors and possible preliminary actions and activities through desk review. A consultant was engaged to support the GoRH and the MDB teams to collect and collate relevant documents to gain an overview on the consideration of climate resilience in development planning and budgets, sectoral policies, frameworks, etc. The consultant will also draft and submit to the PPCR national focal point and MDB's representatives a preliminary draft for PPCR Phase I development (expected results, main activities to be implemented, resources needs, rough cost estimates). The exercise is ongoing and will be completed by May 28, 2010, for a preliminary validation by the focal point in a technical meeting to be held on June 3, 2010. The results will be disseminated to the whole MDB teams in advance of their mission in an effort to facilitate the objective of the first joint MDB mission. The existence of this preliminary work and the unique context in which the first joint MDB mission will occur (significant mobilization of national and international actors following the January 12, 2010, earthquake in support of the strategic recovery and reconstruction planning process) will facilitate the preparation of the Phase I proposal by the GoRH. Therefore, the GoRH expects that

the first joint MDB mission will be able to meet its objectives through the mobilization of a core team that focuses on the consolidation of recent and ongoing initiatives

E. Mission Objectives, Outputs and Process

Mission Objective:

The Objective of the Mission are: (i) strengthening the process of building country ownership and responsibility through wider participation; (ii) identifying necessary sector-specific adaptation activities with focus on project development and implementation, (iii) supporting the GoRH in the formulation of a work program, timetable, roles and responsibilities for the development of the SPCR; (iv) and supporting the GoRH in the formulation of a funding proposal for Phase 1.

Under the coordination and overall guidance of CIAT, the mission will organize a broad-based consultation workshop over two days that will include government agencies, CSOs, research/academic institutes, 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 the Haitian National Action Plan for Adaptation and the First National Communication) that may be addressed under the Phase 1:

- Agriculture and Food Security
- Natural Resource Management
- Coastal Areas

Mission Outputs

The expected outputs are:

- a. A validated first draft of proposal for development of the Haitian 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. Mechanism to Link to the regional SPCR ;
 5. If more analytical work is urgently needed to support the policy, institutional and investment choices of the PPCR
- b. A funding proposal for the development of the Haitian Strategic Program for Climate Resilience (Phase I)
- c. A Joint Mission report.

F. Mission Composition

Team member	Title	Terms of Reference
Government of Haiti		
Mr. Gerald Jean Baptiste	Co-mission Leader	To jointly coordinate and lead mission activities as GoRH's focal point for PPCR. 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.
Six CIAT focal points plus a Ministry of Health	Representatives of the signatory members	To jointly coordinate the consultations on the Phase 1 proposal on the priority sectors according to the agreed principles and modalities. Provide the Phase 1 proposal for the corresponding sector to the Co-mission leaders.
Erick Balthazar	GoRH PPCR Consultant	Prepare and coordinate the first joint mission in coordination with PPCR Focal point and UNFCC focal point. Design and organize the sector consultations in coordination with the GoRH and MDB team members Consolidate inputs from sector and civil society consultations into Phase 1 proposal.
Moise Jean Pierre	UNFCC focal point for climate change (Climate change specialist)	Review general analytical needs, particularly with regards to climate change trends, sectoral impacts and adaptation options.
MDB		
Gerard Alleng & Jocelyn Albert	Lead Specialists Co-mission Leaders	To jointly coordinate and lead mission activities. Provide strategic support, methodological and technical guidance to GoRH and the MDB team on the sector consultations. Review and support consolidation of inputs to Phase 1 proposal.
Sandra Valencia	Climate Change Specialist	To review general analytical needs, particularly with regards to climate change trends, sectoral impacts and adaptation options. Propose key analytical and capacity building focal areas for Phase 1.
Gilles Damais	Environment and Natural Resource Management Specialist	To jointly design, prepare and lead the sector consultation on the environment and national resource management. To review opportunities to strengthen climate resilience in the environmental and natural resource management, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
Haiti Based IDB Sectoral Specialists	Health and Social Protection Specialist; Transport Specialist; Education Specialist; Water Supply Specialist; Energy Specialist	If needed, to jointly design, prepare and lead the sector consultations on their technical topic. To review opportunities to strengthen climate resilience in their respective sector, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
Diego Arias	Agricultural Specialist	To jointly design, prepare and lead the sector consultations on (a) food security, and (b) research, science and technology. To review opportunities to strengthen climate resilience in those sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
Ross Gartley	Risk Management Specialist	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.

Haruhisa Ohtsuka	Private Sector Specialist	To jointly design, prepare and lead consultations with private sector. To assess how financial institutions can participate in the PPCR by providing support to private sector in the area of food security and technology development and implementation.
TBD	Fiduciary specialist	To jointly design the implementation mechanism and fiduciary procedures for PPCR Phase 1 execution.

G. Mission Budget: See Annex 4

H. Contacts

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

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**Caribbean Region Pilot Program for Climate Resilience—Regional Program
Joint MDB Support to the Development of the Strategic Program for Climate Resilience**

II.

REGIONAL PROGRAM FIRST JOINT MISSION: June 14 – 15, 2010

A. Introduction

A first Joint Mission will take place during June 14 – 15, 2010 with the objective to assist the six PPCR participating Caribbean countries and regional organizations working on issues of climate change in putting in place a clear process for formulating the Caribbean Regional Strategic Program for Climate Resilience (SPCR).

The Regional program would focus on three broad types of activities: (a) providing the much needed data collection and analysis which is needed for the Caribbean countries to set priorities for investments, to better understand the short-medium and long-term impacts of climate change, and (b) sharing this knowledge to countries in the region; and (c) helping to build the institutional capacity of existing regional institutions to better support their member countries address climate impacts.

Government representatives of the six PPCR participating countries and representatives of Caribbean regional organizations will lead and coordinate the joint mission with support from the MDBs. The mission will prepare an aide memoire taking stock of the extent and scope of activities and setting out key aspects of the design and implementation arrangements for SPCR.

B. Stocktaking and Assessment:

All Caribbean countries are highly vulnerable to climate change. Expected main impacts include shifts in precipitation patterns, with more intense storms and longer dry spells, increased hurricane intensity and unrelenting sea-level rise. These unavoidable consequences of global warming are coupled with the fact that most are Small Islands, with the majority of their populations and main commercial activities on, or near, the coastline and with limited surface and groundwater resources.

The Caribbean states have a strong history of collaboration on the issue of climate change with a significant amount of analytical work already done or underway on regional adaptation to climate change projects. Regional projects such as the Caribbean Planning for Adaptation to Climate Change (CPACC); Adaptation to Climate Change in the Caribbean (ACCC) Project and Mainstreaming Adaptation to Climate Change (MACC), have supported countries with development of National Adaptation Plans and UNFCCC National Communications, and provide some lessons learned – particularly with regards to institutional arrangements and strengthening and knowledge sharing – which will help to inform the development of the PPCR regional pilot.

In 2002 the CARICOM Heads of Government established the Caribbean Community Climate Change Center (CCCCC) to coordinate the Caribbean region's response to climate change. The CCCCC is the official repository and clearing house for regional climate change data, providing climate change-related policy advice and guidelines to the Caribbean Community.

Moreover, additional regional organizations and development partners have been working in the Caribbean on climate change issues and their regional initiatives can be built upon through the PPCR, they are: University of West Indies (UWI); Caribbean Disaster Emergency Management Agency (CDEMA); Caribbean Regional Fisheries Mechanism (CRFM); CARICOM Secretariat, OECS Secretariat, Caribbean Institute for Meteorology & Hydrology (CIMH); International Union for the Conservation of Nature (IUCN); Caribbean Environmental Health Institute (CEHI); IADB; WBG; United Nations Development Program (UNDP); Department for International Development (DFID); Canadian International Development Agency (CIDA); and the Caribbean Development Bank.

Implementation Potential:

At the Thirtieth CARICOM Heads of Government meeting held in July 2009, the Heads of Government endorsed a Regional Strategy for Achieving Development Resilient to Climate Change, 2009-2015. Of the four strategic goals identified in this strategy, two are particularly relevant to the regional PPCR pilot program, notably: Mainstreaming climate change adaptation strategies into the sustainable development agendas of the CARICOM States; and promoting actions to reduce the vulnerability of natural and human systems in CARICOM to the impacts of a changing climate.

Overall, similar climate risks and vulnerabilities of the countries in the Caribbean coupled with the already existing strong political and institutional collaboration within the region on climate change provide a strong platform for the implementation of the regional PPCR program in the Caribbean.

C. PPCR Preparation and Implementation

The regional track of the PPCR aims to provide financing for critical activities with medium and long-term implications which must be done at a regional scale (e.g. monitoring of sea level rise, sea surface temperatures, coral reef health) and support the development of harmonized approaches, promoting cross-learning and potential for replication across the Caribbean. PPCR resources could also be used to engage regional institutions and countries in the development and use of models and tools that, tailored to a country's needs, would progress towards integration of climate resilience into relevant plans.

In addition, all Caribbean states would be able to benefit from the regional activities through regional workshops and training events, dissemination of lessons, and provision of regionally relevant information, such a monitoring of sea level rise and ocean temperatures.

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

Overall, the PPCR regional track Phase 1 preparation will draw upon expertise from, and complement planned and ongoing initiatives by the regional organizations, and bilateral and

multilateral development partners. A number of regional initiatives developed by those organizations are already underway and can be built upon through the PPCR, relevant examples include: the *Caribbean Carbon Neutral Tourism Project*, which includes a component focusing on financing integration of climate resilience into development plans - executed by CCCCC; a *Caribbean Risk Atlas* – with the University of West Indies (UWI); and initiatives relating to *Community Based Landslide Risk Reduction* – World Bank study; and *Regional Monitoring and Evaluation Framework for Disaster Risk Management and Climate Change Adaptation in the Caribbean Tourism Sector* – executed by CDEMA and; *Mainstreaming Disaster Risk Management in OECS Countries* – executed by the Caribbean Development Bank.

D. Pre-mission Activities

In October 2009, the IDB hosted the PPCR Caribbean Kick-off Meeting in Washington DC, which begun the dialogue on the Caribbean Regional PPCR program with the participating countries and regional organizations³. 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. The result of this meeting was a preliminary assessment and identification of vulnerable sectors and an agreement which outlines five main areas of activities to be potentially developed under the PPCR regional track by Caribbean regional organizations, they are: 1) Monitoring and climate modeling activities; 2) Enabling environment (policy and institutional framework); 3) Up-streaming sustainable land management (bringing the issue to the higher political level); 4) Capacity building and awareness raising aimed at different levels, including sectors and policy makers); and 5) How to integrate climate change into development and budget planning (enable dialogues at the regional level with policy makers from different sectors – Finance, Agriculture, Education, Water, etc).

A follow up virtual meeting took place in February 2010, and had the participation of additional regional organizations working on climate change related issues, MDBs and development partners⁴. The objective of the meeting was to discuss the options provided under the five main areas of activities previously identified and include some of the ideas/suggestions coming out of the scoping missions to the six PPCR participating countries. The main topics of discussion were: 1) recognition that there are different climate change-related programs being implemented in the region and there is concern that overlap or duplication might occur. In response to this issue, the IDB is coordinating a database of these activities, including the tracking of the financing of the various climate change efforts in the region; 2) It was suggested that a working session (roll – up sleeves meeting) should be used to formulate the priority areas together with developing a draft of the proposal for the development of the strategic program for the regional component of the PPCR; 3) with regards to the Regional Climate Change Strategic Framework it was suggested that funding from the PPCR could be used to supplement the development of the implementation plan in

³ Participants included representatives from : St. Vincent and the Grenadines; Grenada; Saint Lucia; Haiti ; Dominica; Jamaica; DFID; Caribbean Community (CARICOM) Secretariat; Caribbean Disaster Emergency Management Agency (CDEMA); Caribbean Community Climate Change Centre; OECS Secretariat; University of West Indies; IDB and World Bank

⁴ Participants included representatives from: CARICOM Secretariat; CCCCC; CDB; CDEMA; CEHI; CIMH; DFID; IDB; OECS Secretariat; UNDP; UWI – Mona; World Bank

collaboration with the support been given by DFID; and 4) There was discussion on the governance structure of the regional activities of the PPCR, such as how decisions will be made, who will coordinate activities, how will funding be disbursed etc. Various ideas were presented such as use of a task force, a steering committee, use of national focal points; 5) Need to use filters in framing the regional perspective (e.g. must have regional solutions; create knowledge and networking; create harmonization and methodologies etc.).

Moreover, during the six joint scoping missions to the PPCR participating countries in the Caribbean the MDB teams briefed relevant ministries and agencies on the PPCR regional track programming details and discussed potential benefits and the importance of the supportive role of the regional track to the development and implementation of the PPCR national SPCRs.

E. Mission Objectives, Process and Outputs

Mission Objective:

The objectives of the joint mission are: (i) to reach an agreement on the governance structure of the PPCR regional track; (ii) to draft an outline of the activities to be carried out in Phase 1 including work program, timetable, roles and responsibilities; (iii) to draft a funding proposal for the development of the Regional Strategic Program for Climate Resilience; (iv) to discuss opportunities to pilot the CIF Global Support Program in the Caribbean as a platform for knowledge exchange and lessons learned in order to increase the impact of the pilot and enhance replication of experiences and lessons learned across the region.

The key tasks to be performed in the joint mission will include, but not limited to, (i) stocktaking exercise on previous, ongoing and pipeline activities; (ii) identify data requirements required to better understand climate change in the region, and upon which to base national priority setting for climate investments; (iii) identify areas in which the regional PPCR activities can support and complement country level PPCR activities; (iv) discuss opportunities and possibilities for public information and knowledge sharing platforms and mechanisms in the region; and (v) reach agreement on the scope, cost, and implementation arrangement of PPCR regional track Phase 1.

Mission Process:

Under the coordination and overall guidance of the PPCR participating countries and regional organizations, the mission will organize a broad-based workshop over two days that will include government representatives, regional organizations, CSOs, research/academic institutes, and other development partners. (The MDB joint mission composition and assignment is in Annex 1).

Mission Outputs:

The expected outcomes are:

- 1) Agreed governance structure – based on the PPCR principles and guidelines and previous experiences in the region.

- 2) First draft of proposal for the development of the Regional Strategic Program for Climate Resilience (Regional SPCR). The proposal should be linked to the Regional Climate Change Strategy and include:
 - (i) Stocktaking of past, present and planned activities;
 - (ii) Data requirements-gaps and institutional responsibility
 - (iii) Knowledge sharing and training
 - (iv) Coordination mechanisms in the region;
 - (v) Tentative planned activities under the regional framework that are relevant to the PPCR program in the regional and in national strategies;
 - (vi) Indicative timetable of activities and funding;

- 3) Funding proposal for the development of the Regional Strategic Program for Climate Resilience

- 4) Assessment of opportunities to pilot the CIF Global Support Program in the Caribbean as a platform for knowledge exchange and lessons learned in order to increase the impact of the pilot and enhance replication of experiences and lessons learned across the region.

- 5) Joint Mission report

F. Mission Composition

Mission member	Agency	Expected focal areas and contributions
MDBs		
1. Amal-Lee Amin CIF Focal Point Climate Change Specialist	IDB	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.
2. Gerard Alleng Climate Change Specialist	IDB	To jointly design, prepare and lead work plan, assessments and consultations. 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.
3. Laura Gaensly Climate Change Specialist CIF Programs Coordinator	IDB	Assist PPCR team leader with PPCR coordination, preparation and implementation; joint missions' preparation and missions' outcomes. To assess the regional map of climate change projects and finance. Draft Aide Memoire and Phase 1 proposal.
4. Leslie Ann Edwards	IDB	Working closely with all technical specialists to assess

Caribbean Office Institutional Specialist		the present mandates and capacity of relevant institutions to engage in climate change activities. Assess PPCR complementarily with IDB's existing and future pipelines and investments.
6. Cassandra Rogers Disaster Risk Management Specialist	IDB (Barbados office)	To jointly design, prepare and lead the sector assessments and consultation on climate change adaptation and disaster risk management. To review opportunities to strengthen climate resilience in infrastructure and water sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments.
7. Sara Valero Operational Analyst	IDB	Assist with the preparation, coordination and implementations of the mission. Assist with mission report and mission outcomes.
7. Walter Vergara Team Leader Global Expert Team on Climate Change Adaptation	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.
8. Niels Holm-Nielsen Disaster Risk Management Specialist	WB	To jointly design, prepare and lead the sector assessment and 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 regional development and sector policies, plans and regulatory frameworks.
9. Habiba Gitay Senior Environment Specialist	WB	To assess opportunities and propose program to pilot the Climate Investment Funds Global Support Program in the Caribbean as a platform for knowledge exchange and lessons learned in order to increase the impact of the pilot and enhance replication of experiences and lessons learned across the region.
10. TBD	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.
11. TBD	IFC	To jointly design, prepare and lead consultations with private sector. To assess how financial institutions can participate in the PPCR by providing support to private sector.
Development Partners		
1. Michele Gyles- McFonnough UNDP Resident	UNDP	To provide perspective from UN agencies and assist the mission to assess complementarities with UN agencies ongoing and future programs and initiatives
2. Simone Banister Climate Change Adviser	DFID	To provide perspective from DFID and assist the mission to assess complementarities with DFID ongoing and future programs and initiatives.
3. Su-Lin Garbett Shiels	DFID	To provide perspective from DFID and assist the

Lead Policy Adviser		mission to assess complementarities with DFID ongoing and future programs and initiatives.
4. Yuri Chakalall Senior Development Officer	CIDA	To provide perspective from CIDA and assist the mission to assess complementarities with CIDA ongoing and future programs and initiatives.
5. Deirdre Shurland Climate Change Coordinator	IUCN	To provide perspective from IUCN and assist the mission to assess complementarities with IUCN ongoing and future programs and initiatives.

G. Mission Budget: See Annex 4

H. Contacts

The focal point contact details for the Government, regional organizations and MDBs:

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**Caribbean Region Pilot Program for Climate Resilience—Jamaica
Joint MDB Support to the Development of the Strategic Program for Climate Resilience**

JAMAICA FIRST JOINT MISSION: July 6 – 14, 2010

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 (IDB) 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, including the potential role and support of regional organizations in implementation of priority activities.

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 IDB, 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 IDB 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 IDB – World Bank team together with representatives of DFID and the United Nations Development Program visited Jamaica from January 13th to January 15th, 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 IDB 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:

- ii. 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
- iii. Funding proposal for the development of the Jamaica Strategic Program for Climate Resilience
- iv. Joint Mission report

F. Mission Composition

Mission member	Agency	Expected focal areas and contributions
MDBs		
1. Amal-Lee Amin CIF Focal Point Senior Climate Change Specialist	IDB	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.
2. 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.
3. 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.
4. 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.
Edwin Molina Natural Resources Management Specialist	IDB (Jamaica office)	To jointly design, prepare and lead the sector consultations on (a) food security, and (b) research, science and technology. To review opportunities to strengthen climate resilience in those sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
Evan Caytano Water specialist	IDB (Jamaica office)	To jointly design, prepare and lead the sector consultation on sanitation and water sectors. To review opportunities to strengthen climate resilience into the sanitation and water sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity
TBD Health and Social Protection Specialist	IDB	To jointly design, prepare and lead the sector consultations on health and social protection. To review opportunities to strengthen climate resilience in the health and social protection sectors, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
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.
10. 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.
11. Ellen Hamilton Sr. Urban Planner	WB	To jointly design, prepare and lead the sector consultations. To review opportunities to strengthen climate resilience in urban planning development, with focus on analytical needs, capacity building and institutional strengthening, policy and strategy, and investments, taking into account the regional diversity.
12. TBD	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.
13. TBD	IFC	To jointly design, prepare and lead consultations with private sector. To assess how financial institutions can participate in the PPCR by providing support to private sector in the area of food security and technology development and implementation.
Development Partners		
TBD	UNDP	To provide perspective from UN agencies and assist the mission to assess complementarities with UN agencies ongoing and future programs and initiatives
2. Simone Banister Climate Change Adviser	DFID	To provide perspective from DFID and assist the mission to assess complementarities with DFID ongoing and future programs and initiatives.
4. TBD	CIDA	To provide perspective from CIDA and assist the mission to assess complementarities with CIDA ongoing and future programs and initiatives.

G. Mission Budget - See Annex 4

H. Contacts

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