**PILOT PROGRAM FOR CLIMATE RESILIENCE** **(PPCR) PROJECT COMPONENT**:

Natural Disaster Mitigation Program – Phase II (HA-L1097) /

 Climate Proofing Agriculture in the Centre Artibonite Loop Area (HA-G1031)

**COUNTRY:** Republic of Haiti

**PROJECT Nº** HA-L1097 and HA-G1031

**NAME**: Natural Disaster Mitigation Program – Phase II- Climate Proofing Agriculture in the Centre Artibonite Loop Area

1. **BACKGROUND**

Following the endorsement of the Strategic Program for Climate Resilience (SPCR) for Haiti, the PPCR Sub-Committee, also endorsed Investment Project II “Climate Proofing of Agriculture in the Centre-Artibonite Loop”, a component of the PPCR’s Strategic Program for Climate Resilience for Haiti to be led by the Inter-American Development Bank (IDB).

The Climate Change and Sustainability Division (INE/CCS) of the IDB has since partnered with the Division of Environment, Rural Development and Disaster Risk Management at the Infrastructure and Environment Sector (INE/RND) in order to mainstream climate change into the operation “Natural disaster mitigation (DRM) program II” (HA-L1097 / HA-G1031), which objective is to reduce rural economic losses through the improvement of climate risk management in selected watersheds.

The specific objectives are to: (i) increase capacities for adaptation to climate change and disaster risk management (DRM) in the agriculture sector; (ii) improve water and sediment conservation in selected gullies of priority watersheds; (iii) reduce the risk of rural economic losses due to floods in targeted watersheds; and (iv) restore the educational capacity of the FAMV campus.

The PPCR grant of the project will allow the inclusion of appropriate climate change measures and information to both meet the objectives approved under the SPCR and the objectives of the IDB DRM grant.

1. **COMPONENTS OF OPERATION and PPCR CO-FINANCING**

The three components of the overall operation are described below as well as the specific investments made with PPCR resources and aligned to the SPCR document:

**Component 1:** **Capacity building to reduce climate risk.** This component aims at strengthening capacities to manage natural disasters and climate change risks in the agriculture sector, through the following activities:

1. Studies based on probabilistic assessments of natural disasters risks and climate change scenarios, as well as watershed modelling methodologies. These instruments will increase the knowledge of climate risk and support the identification of investments to reduce its economic and social consequences on agricultural activities and rural communities in targeted watersheds.
2. Research programs in agriculture, climate change and watershed management. In particular, the program will continue financing the sole research project implemented in Haiti related to watershed dynamics and management (Cavaillon watershed), as well as a research program on CC resilient agricultural crop systems in the Boucle-Centre Artibonite. The results will allow for tailor made adaptation measures for agricultural shifts in specific areas. The research programs will pay special attention to farming practices developed by rural female-headed households.
3. Training and knowledge dissemination. In order to strengthen capacities to analyze and manage natural disasters and climate change risks in the agriculture sector, two training programs will be developed; one for students and the other for public officers and academia.
4. Strengthen risk governance. The program will support the development of the national emergency and recovery plan for extreme climate events in the agriculture sector, together with a training program on damage assessment in agriculture. The project will also contribute to strengthen local governance through the establishment and/or strengthening and training of watershed management committees.

**PPCR Financing**:

Under Component 1, PPCR will support activities (ii) and (iii) by financing the research program on agriculture, climate change and watershed management geared towards the identification of resilient agriculture systems (crop varieties and farming practices) in the Centre-Boucle Artibonite. These activities respond to the objective of Identification, dissemination, and up-scaling of successful climate-resilient crops and sustainable cropping systems and techniques which contribute to enhance climate resilience. In addition a “Disaster Risk and Climate Change Adaptation in Agriculture” education program will be developed utilizing PPCR resources for it to be incorporated into national universities’ curricula in order to support capacity building and knowledge transfer from this program to local institutions.

**Component 2: Climate risk reduction.** This component aims at reducing rural households’ risk to climate events and at improving farmers' income. The component will focus on:

1. Construction of mitigation works (downstream river-bank protection and upstream soil and water conservation small-scale infrastructure, living fences, etc.) in targeted watersheds, in order to reduce disaster risk of agricultural areas, economic infrastructure and rural population, as well as to increase agricultural income.
2. Development of simple community-based early warning-systems in the targeted watersheds most threatened by recurrent flooding.

**PPCR Financing**: Under Component 2, PPCR will support activity (i) by co-financing the construction of mitigation works (soil and water conservation small-scale infrastructure, living barriers, etc.) in the Center Artibonite Loop.

These activities respond to the willingness to:

1. help the farmers to improve the quality of their production and to provide adequate assistance for agricultural processing in order to allow farmers to improve their revenues. This will involve the identification of cropping techniques and sustainable farming practices that can be applied to ensure business continuity and overall sustainability within the Centre-Artibonite Loop
2. strengthen capacity building, research, and knowledge dissemination on climate resilience as it relates to agriculture. There is a need to strengthen local capacities and to educate communities and the population in general about climate change and how it affects the agricultural sector.

**Component 3: Reconstruction of FAMV.** This component will finance:

1. The supervision and works of reconstruction of FAMV, which was destroyed by the earthquake of January 2010.
2. **BUDGET**

The total project amount is US$47,250,000 which is being financed by the IDB Grant Facility up to the amount of US$42,000,000, the Climate Strategic Climate Fund (SCX) up to US$4,500,000 for specific activities in the Boucle Centre Artibonite, as well as the national counterpart up to the amount of US$750,000. The disbursement period will be 60 months. The table below provides the cost summary by investment categories and components:

Table . PROGRAM BUDGET

