



Philippines: Climate Resilience and Green Growth in Critical Watersheds

Project Name	Climate Resilience and Green Growth in Critical Watersheds	
Project Number	46441-001	
Country	Philippines	
Project Status	Active	
Project Type / Modality of Assistance	Technical Assistance	
Source of Funding / Amount	TA 8493-PHI: Climate Resilience and Green Growth in Critical Watersheds	
	Japan Fund for Poverty Reduction	US\$ 1.75 million
Strategic Agendas	Environmentally sustainable growth Inclusive economic growth	
Drivers of Change	Governance and capacity development Knowledge solutions	
Sector / Subsector	Agriculture, natural resources and rural development - Agricultural production - Forestry - Irrigation - Land-based natural resources management Energy - Energy efficiency and conservation - Energy sector development and institutional reform Information and communication technology - ICT industries and ICT-enabled services Transport - Road transport (non-urban) - Water transport (non-urban) Water and other urban infrastructure and services - Urban policy, institutional and capacity development - Urban solid waste management - Urban water supply	
Gender Equity and Mainstreaming	Effective gender mainstreaming	

Description

The TA seeks to demonstrate climate resilient green growth options in critical watersheds in the lower Marikina river basin, Camarines Sur and Davao Oriental and strengthen the capacity of local government units (LGUs) to mainstream climate change concerns into development planning. Priority is given to watersheds because of their role as 'water support system' for both upstream and downstream communities such as domestic water consumers, irrigation water users, and hydropower companies. The watersheds are chosen based on their (i) high bio-physical vulnerability to climate change; (ii) high levels of urban poverty and population density with settlements in vulnerable locations; and (iii) high demonstration potential for mainstreaming climate resilience and green growth in local development at both policy and operational levels. The TA will create a green growth road map for three critical watersheds by considering five dimensions: (i) economic development; (ii) resilience to climate change; (iii) biodiversity, ecosystems and social development; (iv) GHG emissions; and (v) poverty alleviation and deliver the following four outputs.

Output 1: Collection of baseline information, and assessment of vulnerability to climate change. It involves stocktaking and vision setting for each watershed based on socio-economic profiling in consultations with stakeholders, including vulnerable communities, women and the private sector. It includes (i) baseline data collection through review of development plans and survey of local institutions, governments, and businesses; (ii) assessment of vulnerability to current and future impacts of climate change; (iii) economic valuation of natural resources and ecosystem services; and, (iv) preparation of GHG inventory following the global protocol for community-scale GHG emissions. Scenario setting will involve projection of future trends in usage of the natural resources and associated impacts.

Output 2: Identification, analysis, and prioritization of gender-responsive and locally appropriate adaptation and mitigation measures. An inventory of climate change actions with the most significant impact across the five dimensions relevant to green growth will be prepared. Based on feedback from stakeholders including vulnerable communities, women and the private sector on the feasibility of implementing such actions, a short list will be prepared and a cost-benefit analysis will be used to assess potential outcomes of proposed measures. Such efforts will lead to effective integration of climate change into comprehensive development plans, investment plans and disaster risk reduction and management plans of the participating LGUs.

Output 3: Selection of pilot demonstration areas and implementation of gender-equitable measures. Based on specific criteria, sites will be chosen to implement priority adaptation and GHG mitigation measures such as promoting renewable energy, forest rehabilitation and reforestation, community-based DRRM, and other measures focusing on sustainable management of natural resources. The primary focus of the TA will be on non-structural measures, which will not only enhance resilience of communities to climate change but also improve economic well-being. Community-based measures that improve resilience of women, children, and marginalized groups will be prioritized.

Output 4: Development of knowledge products and strengthening of stakeholder capacity. It involves (i) disseminating the TA findings to national and local governments, private sector and civil society through workshops, seminars and knowledge products; (ii) documenting the process for future reference of stakeholders in demonstrating successful climate actions in other areas; (iii) preparing local climate change action plans and guidelines for effective integration of climate concerns in development plans; and (iv) strengthening the capacity of key stakeholders including women in vulnerability assessment, economic analyses, and piloting of climate change actions. Such actions will strengthen capacity of LGUs and national agencies to implement climate actions beyond the TA period.

Summary of Environmental and Social Aspects

Environmental Aspects

Involuntary Resettlement

Indigenous Peoples

Stakeholder Communication, Participation, and Consultation

During Project Design	A series of meetings took place from October 2012 to May 2013 between CCC and ADB to clarify the outputs and outcomes of the proposed TA. Consultations with stakeholders, including representatives from priority watersheds, were held during this period. ADB circulated a draft TA concept paper for comment by government agencies and other stakeholders. Following a fact-finding mission, and reflecting the feedback from the Department of Finance and the National Economic Development Authority, a memorandum of understanding was signed with the vice-chair of CCC on 5 July 2013, agreeing to the core elements of the TA (impact, outcome, outputs, cost, financing, implementation arrangements, and the consultant terms of reference). Additional consultations on the design and terms of reference of consultants were held from September to December 2013. No objection letter from the Department of Finance for the TA was received in early February 2014.
During Project Implementation	Consulting firm was mobilized in May 2014. Consultations with a wide range of stakeholder groups were held at national and LGU level in conducting vulnerability assessment and in preparing the greenhouse gas emissions inventory. Several LGU representatives participated in training activities and workshops. The representatives of LGUs visited Japan to learn more about ecotowns and to discuss potential collaboration with Ecotowns in Kitakyushu and Kawasaki cities. LGU stakeholders discussed local climate change action plans, and identified priority mitigation and adaptation activities.

Business Opportunities

Consulting Services	The TA will be implemented over 30 months from 1 October 2013 to 31 March 2016, and will require an estimated 14 person-months of international and 200 person-months of national consultant inputs, to be engaged through a consulting firm in accordance with ADB's Guidelines on the Use of Consultants (2010, as amended from time to time).
Procurement	Procurement and disbursement will be done in accordance with ADB's Procurement Guidelines (April 2010, as amended from time to time) and ADB's Technical Assistance Disbursement Handbook (May 2010, as amended from time to time).

Responsible Staff

Responsible ADB Officer	Ancha, Srinivasan
Responsible ADB Department	Southeast Asia Department
Responsible ADB Division	Environment, Natural Resources & Agriculture Division, SERD
Executing Agencies	<i>Asian Development Bank 6 ADB Avenue, Mandaluyong City 1550, Philippines</i>

Timetable

Concept Clearance	01 Mar 2013
Fact Finding	-
MRM	-
Approval	25 Oct 2013
Last Review Mission	-
Last PDS Update	30 Mar 2017

TA 8493-PHI

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
25 Oct 2013	23 Jan 2014	23 Jan 2014	15 Jul 2016	31 Jul 2017	-

Financing Plan/TA Utilization						Cumulative Disbursements		
ADB	Cofinancing	Counterpart				Total	Date	Amount
		Gov	Beneficiaries	Project Sponsor	Others			
0.00	1,750,000.00	0.00	0.00	0.00	0.00	1,750,000.00	25 Oct 2013	1,184,255.86

Project Page <https://www.adb.org/projects/46441-001/main>

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Date Generated 06 July 2017

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