

Draft TC ABSTRACT

I. Basic project data

- Country/Region: Trinidad and Tobago / Caribbean
- TC Name: Piloting the integration of coastal zone management and climate change adaptation in Tobago.
- TC Number: TT-T1034
- Team Leader/Members: Team leader - Gerard Alleng (INE/ECC); Alternate team leader: Michele Lemay (INE/RND); Team members - Maria Claudia Perazza (INE/RND), Cassandra Rogers (INE/RND); Ana Rios (INE/ECC); Sara Valero (INE/ECC) Dale James (CCB/CTT); Denise Ann Salabie (PDP/CTT); _____ (LEG/SGO); and Angelo Gomez (INE/ECC).
- Indicate if: Operational support
- If Operational Support, TC give number and name of Operation Supported by the TC: This operation supports the implementation of the Policy Based Loan "Support for the Climate Change Agenda I – TT-L1022"
- Reference to Request¹: _____
- Date of TC Abstract: December 15th, 2011
- Beneficiary (countries or entities which are the recipient of the technical assistance): Trinidad and Tobago
- Executing Agency and contact name: Institute of Marine Affairs (IMA); Dr. Amoy Lum Kong
- IDB Funding Requested: US\$750,000
- Local counterpart funding, if any: _____
- Disbursement period (which includes execution period): 18 months
- Required start date: April 1st 2012
- Types of consultants (firm or individual consultants): Firm and individuals
- Prepared by Unit: INE/ECC
- Unit of Disbursement Responsibility : CTT
- Included in Country Strategy (n); TC included in CPD (Y)
- GCI-9 Sector Priority: The project contributes to the following GCI-9 lending targets (i) supporting development in small and vulnerable countries and (ii) climate change, sustainable (including renewable) energy, and environmental sustainability.

II. Objective and Justification (estimated length: ¼ page)

This operation will finance a pilot program on the integration of coastal zone management and climate change adaptation for Trinidad and Tobago using Tobago as the study area. The purpose of the program is to support the implementation of an adaptation agenda for the country, which is one of the components of TT-L1022 PBL. The TC is expected to demonstrate a methodology for integrating climate change adaptation and coastal zone management for reducing risks to the health of coastal ecosystems, which will help inform the development of a national coastal zone management policy that incorporates climate change adaptation. The TC will also lay the foundation for future investments in a coastal risk

¹ A copy of the Letter of Request, Programming/Portfolio Review Mission Aide Memoire or Report requesting the TC should be submitted with the Abstract.

assessment and management program in Trinidad and Tobago. The project also contributes to the GCI-9 lending targets of: (i) supporting development in small and vulnerable countries and (ii) climate change, sustainable (including renewable) energy, and environmental sustainability and is consistent with the priorities outlined in the Country Strategy with the Republic of Trinidad and Tobago (2011-2015) (GN-2638).

III. Description of activities(estimated length: ½ page)

The TC will finance the following activities:

Activity 1. Gap analysis - review of the legislative, policy and institutional, information and capacity arrangements related to coastal zone management and climate change.

Activity 2. The undertaking of vulnerability and risk assessments for South-west Tobago based on climate change scenarios.

Activity 3. Completion and implementation of Response Plan for coral reef bleaching for South-west Tobago. The response plan will include elements for monitoring temperature, acidity and sea level rise of nearshore waters off South-west Tobago.

Activity 4. Implementation of protocol for land-based sources (LBS) of pollution affecting nearshore waters off South-west Tobago. This will entail an assessment of the 'stressors' which, combined with climate change impacts, threaten the health of coastal ecosystems such as coral reefs.

Activity 5. Design and implementation of public awareness program on Coastal Zone Management and climate change adaptation for local communities in South-west Tobago.

Activity 6. Strategic guidelines for the development of a Coastal Zone Management plan that integrates climate change adaptation for South-west Tobago, including identification of best management practices.

Activity 7. Project coordination

The expected outputs are the following:

1. Assessment of the existing legislative, policy, institutional, information and capacity arrangements related to coastal zone management and climate change.
2. Assessment of climate change risk including ecosystems at risk in South-west Tobago.
3. Response Plan for coral reef bleaching for South-west Tobago.
4. LBS protocol study for South-west Tobago.
5. Local public awareness program on Coastal Zone Management and climate change adaptation.
6. Strategic guidelines for the development of a Coastal Zone Management plan that integrates climate change adaptation for South-west Tobago.

The overall outcome: A tool for decision-making and an approach for the development of a national Coastal Zone Management plan that integrates climate change adaptation.

IV. Budget (estimated length: ¼ page)

Indicative Budget

[additional level of detail required in budget will be elaborated to provide good guidance]

Activity / Component	Description	IDB/Fund Funding	Counterpart Funding	Total Funding
Activities 1-6	<p>Activity 1. Gap analysis - review of the legislative, policy and institutional, information and capacity arrangements related to coastal zone management and climate change.</p> <p>Activity 2. The undertaking of vulnerability and risk assessments for South-west Tobago based on climate change scenarios.</p> <p>Activity 3. Completion and implementation of Response Plan for coral reef bleaching for South-west Tobago. The response plan will include elements for monitoring temperature, acidity and sea level rise of nearshore waters off South-west Tobago.</p> <p>Activity 4. Implementation of protocol for land-based sources (LBS) of pollution affecting nearshore waters off South-west Tobago.</p> <p>Activity 5. Implementation of public awareness program on Coastal Zone Management and climate change adaptation for local communities in South-west Tobago.</p> <p>Activity 6. Recommendations for the development of a Coastal Zone Management plan that integrates climate change adaptation for South-west Tobago, including identification of best management practices.</p>	685,000	TDB	685,000 + local counterpart
Activity 7	Hiring of a project coordinator	\$65, 000		\$65,000

V. Executing agency and execution structure (estimated length: about ½ page)

The Institute of Marine Affairs (IMA) is a multi-disciplinary marine and environmental research organisation established by Act of Parliament of Trinidad and Tobago and is currently under the Ministry of Housing and the Environment. The daily management of the Institute is the responsibility of the

office of the Director, with oversight provided by a Board of Governors. The functions of the IMA include:

- i. To conduct research and development on the marine environment and other areas that impact upon the environment of Trinidad and Tobago, the Caribbean and adjacent regions;
- ii. To study the multiple uses of the sea and coastal zones, their resources and use potential in Trinidad and Tobago, the Caribbean and adjacent regions and to evaluate and promote such studies with a view to minimizing possible conflicts which may result from such uses;
- iii. To provide information and advice to the Government in its formulation of policies relating to the marine and other related aspects of the environment;
- iv. To advise on the development and optimum utilization of the marine and coastal resource potential of Trinidad and Tobago;

The Institute has worked with development agencies in the past and is currently one of the Regional Activity Centres (RAC) for the Protocol on the Prevention, Reduction and Control of Marine Pollution from Land-Based Sources and Activities (LBS) under the United Nations Environmental Program – Caribbean Environmental Program.

VI. Project Risks and issues (estimated length: about ½ page)

The expected risks for this operation are as follows:

1. Lack of institutional capacity within the executing agency to implement the project which will be mitigated through the hiring of a project coordinator and close supervision of the operation by the Bank's project team.
2. Lack of collaboration among key stakeholders in the implementation of the project which will be mitigated by the use of the National Coastal Zone Management Steering Committee for the governance of the project.
3. Lack of familiarity with IDB's Procurement and Fiduciary procedures by the executing agency which will be mitigated by scheduled Procurement and Fiduciary training undertaken by IDB's local country office.

VII. Environmental and Social Classification (estimated length: ¼ page)

It is not anticipated that the activities to be financed in this TC will have negative direct social or environmental effects. Therefore the team considers that, according to the Bank's Safeguards Screening Toolkit, this operation should be given a classification of "C": (i) no environmental or social risks; (ii) direct contribution to solve an environmental issue.