

**UNITED NATIONS DEVELOPMENT PROGRAMME
GLOBAL ENVIRONMENT FACILITY**

*Financing for (Interim) Measures for
Capacity Building in Priority Areas Part II*

Country: TRINIDAD AND TOBAGO

Project Title: Trinidad and Tobago: Climate Change Enabling Activity (additional financing for capacity building in priority areas)

GEF Focal Area: Climate Change
Country Eligibility: Eligible under a financial mechanism of the UNFCCC
 Eligible under paragraph nine (b) of the Instrument

Date of Ratification: 24 June 1994

GEF Financing (Phase I): US\$ 218,870
GEF Additional Financing (Phase II): US\$ 100,000
Total Costs: US\$ 318,870

GEF Implementing Agency: UNDP

Executing Agency: Government of Trinidad and Tobago

Local Counterpart Agency: Environmental Management Authority, Ministry of the Environment

Initial National Communication Submission: November 2001

Estimated Starting Date of Phase II Project Activities: July 2003

Project Duration: 1 year

1. CURRENT PROJECT STATUS:

Trinidad and Tobago submitted its first national communications to the UNFCCC in November 2001. The project began in November 1998, with a project initiation workshop held during January 1999. The project focused on a wide range of capacity building activities in the area vulnerability and adaptation, greenhouse gas inventories and energy related issues.

There were a number of workshops and training exercises during the course of the first phase of the project, which were utilized to help to complete the project. These included:

- (i) UNDP National Communications Support Programme Thematic Workshop on Greenhouse Gas Inventories (19-22 April Bridgetown Trinidad and Tobago);
- (ii) UNDP National Communication Support Programme Thematic Workshop on Vulnerability and Adaptation Assessment (Trinidad and Tobago 20-22 July 1999);
- (iii) Training Workshop on Vulnerability and Adaptation Assessment (March 13-24 2000, Trinidad and Tobago); and,
- (iv) All of the training and capacity building workshops of the Caribbean Planning for Adaptation to Climate Change project which occurred from January 1997-December 2001.

Despite a number of technical delays the first phase of the national communication has been completed and the initial national communications of Trinidad and Tobago is completed and is available on compact disk, with the completed greenhouse gas inventory. With the phase one activities complete there is a need to maintain capacity built during the first phase of the project, enhance public awareness activities, improve capacity as it relates to data monitoring system and have an initial identification of capacity needs for an adaptation technology needs assessment.

The Implementing Agency and the GEF focal point of Trinidad and Tobago have satisfied themselves that the proposal for additional funding complies with the Operational Criteria for the expedited financing of climate change enabling activities.

By undertaking the Phase II enabling activity, Trinidad and Tobago is aware that they must await both the future decisions of the Conference of the Parties regarding the preparation of second national communications and GEF guidelines to operationalize those decisions.

2. ACTIVITIES TO BE INVOLVED IN PHASE II PROJECT:

In accordance with the Operational Guidelines for Expedited Financing of Climate Change Enabling Activities, the Government of Trinidad and Tobago hereby requests additional interim funds in the amount of US\$100,000 to conduct new enabling activities in follow-up to those activities conducted under the UNDP/GEF Enabling Activity Project TRI/98/G31.

These funds are requested to undertake additional activities to fulfill Trinidad and Tobago's obligations under the UNFCCC. These interim funds are essential to maintaining and enhancing the capacity of the GOS to prepare future National Communications, while helping to ensure continuity with ongoing enabling activities.

The justification for Phase II is based on the following factors:

- The Phase II will build upon activities completed in the context of Trinidad and Tobago's First National Communications, and as such follow established guidelines and norms for country projects;
- The overall goals of Phase II will allow Trinidad and Tobago to extend current knowledge, facilitate the emergence of national networks, and promote the integration of climate change concerns into development planning dialogue.

The National Communication Support Programme (NCSP) is currently developing regional/global proposals in several areas of work that might have implications for the national activities described in this project. Implementation of the project will be carried out in close co-ordination with the NCSP to ensure that areas of synergy will be identified where possible, and to avoid duplication for cost effectiveness. The country will be informed of the proposed NCSP activities as soon as they are underway.

UNDP/GEF Handbook on Methodologies for Technology Needs Assessments: The handbook has been designed to provide guidance on how to develop a straightforward approach to technology needs assessment (TNA) that may be adopted and adapted to assist country teams undertaking TNA. This handbook will provide the methodological basis for the activities to be carried for the identification of technology needs in Trinidad and Tobago. The NCSP will provide the handbook to the country team before the project is initiated.

GCOS Regional Workshop Programme sponsored by UNDP-GEF: One of the main objectives of the Programme is to identify national and regional needs and deficiencies for climate data (including needs for assessing climate impacts, conducting vulnerability analyses, and undertaking adaptation studies). All activities under the Second Phase project will take into account the priorities identified in the GCOS Regional Action Plan that is currently under development for the Central America and Caribbean Region (<http://www.wmo.ch/web/gcos/gcoshome.html>). This linkage will ensure that the approach adopted for the participation of XXX in systematic observation networks is consistent with the Regional Action Plan.

The proposed Phase II capacity building activities is provided in the paragraphs below.

A. TECHNOLOGY TRANSFER

Adaptation to climate change is of critical importance to Trinidad and Tobago, and there is a need for initial capacity building to assess technology needs as it relates to adaptation.

Activities to be carried out include:

- (i) Information gathering of suitable technologies for adaptation in various sectors
- (ii) Co-ordination with the private sector and research institutions to establish collaboration mechanisms in the identification and selection of priority technologies
- (iii) Assessment of available technologies for adaptation in the context of national development priorities and on the basis of the first National Communication
- (iv) Creation of a data bank of appropriate technologies for adaptation

- (v) Public awareness and education on adaptation options in the context of technologies that can be adopted at a sectoral level
- (vi) Develop institutional capacity to strengthen the role of relevant national organizations in the preparation of a national strategy to facilitate the transfer of the technologies appropriate for local economy in specific sectors
- (vii) Training workshops and seminars with relevant stakeholders (e.g. professional engineers, importers and distributors of household appliances, key players in the tourism sector, educational institutions.)

Co-ordination mechanisms with various government ministries and the private sector on possible adaptation technologies and options will be established, and the capacity and technological needs with regards to adaptation will be identified. There will be collaboration with the Regional Project Implementation Unit of the Adaptation to Climate Change in the Caribbean/Caribbean Climate Change Centre, with regards to capacity building issues as they relate to adaptation.

Phase I of the project identified the need for a sustained public education programme in Trinidad and Tobago. There is also the need to sensitize key decision-makers and the private sector on issues related to climate change and how they will affect Trinidad and Tobago. There will be appropriate public awareness activities to coincide and to aid with technical training and workshops. This will include the further distribution of national communications documents to key sectors, to sensitize the public and private sector to issues related to the United Nations Framework Convention on Climate Change and the implications for Trinidad and Tobago. Pilot public awareness activities will be developed and implemented and a climate change education programme incorporated into the existing public, private and non governmental environmental educational programmes in public.

B. CAPACITY BUILDING FOR PARTICIPATION IN SYSTEMATIC OBSERVATIONS

Through the Caribbean Planning for Adaptation to Climate Change has received a state of the art sea level monitoring equipment, and training in the use of the equipment. Several improvements to the equipment could be made to that equipment, for example the addition of voice transponders, salinity indicators and sea surface temperature thermometers. There is a need for additional training so that these improvements can be made in the future. There is need to build capacity to downscale and interpret global and regional climate models. There is also a need to build capacity to participate in the GCOS (Global Climate Observing System) and the GLOSS (Global Sea Level Ocean Observing System).

Activities that will be carried out include:

- (i) An analysis of shortcomings of current systematic observation system in the country and the ways to overcome them.
- (ii) Definition of priority needs to enhance national participation in global climate observing network. This activity will be carried out in close co-ordination with the

GCOS regional action plan for the Caribbean and Central America Region currently under development.

- (iii) Identification of requirements for improving data collection, through the identification of data gaps and the needs to provide climate information for other climate change priority activities (e.g. vulnerability and adaptation studies)
- (iv) Identification of technical and institutional constraints in collecting and monitoring climate data in order to develop a strategy for capacity building.
- (v) Development of a national action plan to overcome data gaps, including the proposed institutional framework for implementation and follow up.
- (vi) Training in downscaling and interpreting global and regional climate models.

All activities will take into account the priorities identified in the GCOS Regional Action Plan that is currently under development. This will be implemented with the Adapting to Climate Change in the Caribbean Regional Project Implementation Unit/ Caribbean Climate Change Centre and the Caribbean Institute for Meteorology and Hydrology. These organizations will be used as resources for technical studies, training and capacity building, particularly in the areas of improving data collection and identifying the needs for improving current systematic observation systems.

The planning and execution of this project will aid in maintaining capacity for future national communications. The activity matrix for Phase II enabling activities is presented in Table C2. A breakdown in the budget for the proposed activities is summarized in Table D2.

3. PROJECT MANAGEMENT/INSTITUTIONAL ARRANGEMENT

Phase II activities are designed to start in October 2002. Phase II project activities will be executed and implemented using the same management/institutional framework as was used for Phase I activities. The committees and networks that have been established as part of the original enabling activities will function intact over the duration of Phase II activities, thereby helping to ensure continuity in the project and avoid any duplication of efforts. In brief, this framework consists of a project coordinator, with and a national coordinating committee comprised of various government officials, the private sector and non-governmental organizations. The project will be executed by the Environmental Management Authority, the same agency that was responsible for phase I.

The project will maintain links with the Regional Project Implementation Unit of the Adapting to Climate Change in the Caribbean project/Caribbean Climate Change Centre.

4. MONITORING AND EVALUATION

The project will rely on common UNDP monitoring and evaluation practices including a midterm evaluation and a tri-partite review to be held within the first nine months of the start of the full implementation of the project.

At the end of the project, an external review will be undertaken by an expert with experience in these types of projects. The purpose of the review will be to evaluate the outputs achieved

in each of the activity areas listed above, including the reports generated on the activities contained in this proposal.

Prior to the release of GEF additional financing by the UNDP for Phase II activities, standard UNDP monitoring and evaluation practices will be followed for Phase I. In particular, the UNDP will receive a copy of the latest (i.e., within the past six months) Annual Programme/Project Report (APR) and the Tripartite Review (TPR) Report. At the end of Phase II, a Terminal Report on Phase II will be submitted to the UNDP Headquarters. A final project report, summarizing the Phase II project's results and findings, will be submitted to the UNDP and UNDP-GEF Headquarters by the end of the project.

TABLE C 2
ACTIVITY MATRIX FOR PHASE II OF CLIMATE CHANGE ENABLING
ACTIVITIES

Priority activities for additional (interim) funding

Activity	Planning and Execution	Capacity Maintenance/ Enhancement		
		Data Gathering and Research	Institutional Strengthening	Training, Education and Public Awareness
2. A (i) Identification and submission of technology needs				
2. A. (ii) Capacity building to assess technology needs, modalities to acquire and absorb them, design, evaluate and host projects	X	X	X	X
2. B. Capacity building for participation in systematic observation networks	X	X	X	X
2. C. Development of GHG Emission Factors				

Table D 2

PROJECT BUDGET ACCORDING TO GEF ACTIVITY NORMS IN US DOLLARS
Cost estimates for (interim) priority activities

Activity	Planning and execution	Capacity maintenance/ enhancement			Technical & Administrative Support	Cost estimates
		Data gathering and research	Institutional strengthening	Training and education and Public Awareness		
2. A Technology Transfer- Identification of Initial Technology Needs for Adaptation	\$13,000	\$19,000	\$13,000	\$8,000	\$3000	\$56,000
2. B. Capacity Building for Participation in systematic observation	\$8,000	\$14,000	\$5,000	\$5,000	\$1,000	\$33,000
2.C. GHG Emission Factors						
3. Project management				\$ 7,000		\$7,000
4. Monitoring & Evaluation					\$4,000	\$4,000
Total	\$54,000		\$18,000	\$20,000	\$8,000	\$ 100,000

Annex I
Phase II Budget Breakdown (Draft)

SBLN	Description	Year 1	Year 2	Net Amount
10.	PERSONNEL			
11	International Consultants	10,000		
11.01	Short-Term Consultants	15,000		
11.99	Component Total	25,000		
13	Administrative Support			
13.01	Administrative Assistant			
13.99	Component Total	3,000		
15.	(Project Management) Monitoring and Evaluation	10,000		
15.99	Component Total	10,000		
17.	National Consultants			
17.01	National Project Manager	9,000		
17.02	National Experts	4,000		
19.99	Component Total	13,000		
20	Project Contracts			
21.01	Technology Needs	14,000		
21.02	Capacity Building	8,000		
21.03	Systematic Observation	10,000		
29.99	Component Total	32,000		
30.	Project Workshops			
32.01	Technology Needs Workshop	6,000		

32.02	Systematic Observation Workshop	3,000		
39.99	Component Total	9,000		
40	Equipment			
45.01	Expendable Equipment			
45.02	Non-Expendable Equipment			
45.03	Communications	2,000		
49	Component Total	2,000		
50.	Miscellaneous			
52.01	Reporting Costs – Final Report	2,000		
52.02	Publication Costs	4,000		
59	Component Total	6,000		
90	Gross Total	100,000		

Annex II Workplan

Outputs/Activities	Schedule months												
	1	2	3	4	5	6	7	8	9	10	11	12	
Output 1. Technology Transfer													
Activities													
1. Identification/Submission Technology Needs													X
Output 2. Assessment of Technology needs for forestry, agriculture, energy, industry, transportation and waste management sectors to abate GHG emissions.													
Activities													
2.1. Prepare a comprehensive report applicable to GHG mitigation.													X
2.1. Technical Report on GHG mitigation technologies										X	X	X	X
2.1.1 Organize and conduct national workshop								X					
2.1.2 Workshop report summarizing the findings and recommendations.								X					
Output 3. Capacity building to access technology needs, modalities to acquire and absorb them, design evaluate and host climate change projects													
Activities													
3.1 Increasing and strengthening the capability of the NTC in evaluating and assessing and defining responses to climate change	X	X	X	X	X	X	X	X	X	X	X	X	X

X

X

