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## Guiana Shield Facility

### 1. Project Identifying Information:

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**Counterpart Organizations:** Instituto de Desenvolvimento Rural do Amapá (RURAP), Secretaria de Ciência e Tecnologia do Amapá (SETEC).

**Climate Change Working Group:** Procuradoria Geral do Estado (PGE), Secretaria de Meio Ambiente (SEMA), Agencia de Desenvolvimento do Estado (ADAP), Secretaria de Planejamento e Tesouro (SEPLAN), Secretaria da Receita Estadual (SRE), Agencia de Fomento do Amapá (AFAP), Instituto Estadual de Florestas (IEF).

**Project Title:** Technical Support for Incorporating Environmental Services into State-level programs in Amapá – Brazil

**Location:** Amapá – Brazil

**Project Duration:** 1 year

**Proposed Start Date:** 01-10-2013

**Project Cost:**

Amount Requested from Donor: US\$ 150,000.00

Applicant Contribution: US\$ 30,000.00 (staff time of IEF and consumables)

Total Project Cost: US\$180,000.00

## 2. Background

Amapá is a Brazilian state located in the extreme north of the country, bordering French Guiana and Suriname. The state comprises 6% of the Guiana Shield territory and is home to a vast number of plant and animal species. Nearly 75% of its 142,828.521 km<sup>2</sup> is covered by tropical Amazon forest; other biomes include inundated forest and savannah. Amapá is a very urbanized state, with around 90% of its population living in urban areas. It has relatively well conserved forests and a large sum of protected areas: nearly 70% of the territory lies within conservation units of various categories.

Amapá's state government has a history of promoting sustainable development by creating incentives for economic activities based on the state's natural resources. Amapá contributes with nearly 0.2% of Brazil's GDP. Its main economic activities are urban and its main export product is iron ore. Despite its potential, natural resources such as açai berry, timber, Brazilnut and fisheries mostly attend internal demands.

The current state government is working to promote a green economy in the state through green economy policies, initiatives and investments. The main goal is to expand the economy of forest products and reward those who conserve forest cover. Since 2012, a team of consultants through the International Institute for Environment and Development (IIED) has been working with Amapá government in drafting a green economy program for Amapá. In March 2012, IIED facilitated the seminar 'Basis for a green economy in Amapá State' in partnership with state government. This seminar considered background information prepared by IIED, and produced a rough draft 'Green economy programme for Amapá'. A desktop review on the conditions for green economy policies in Amapá was produced by IIED to facilitate policy dialogue, design and implementation.

The government decided to design and test an inclusive scheme to pay small producers of timber and non-timber forest products for the environmental services they provide alongside with forest and agricultural products that are being promoted. This payment scheme would form part of the Pro-Extractivism Program (PEP) and of the Family Farming Territorial Program (Protaf). PEP is a development plan that has the objective of supporting sustainable use of forest resources as a part of a strategy to promote forest conservation and reduce poverty. PEP has a focus on four forest products:

1. Açai berry – *Euterpe oleracea* (food)
2. Brazilnut – *Bertholetia excelsa* (food)
3. Titica liana – *Heteropsis spp.* (furniture and crafts)
4. Timber – various species and uses

The strategy of PEP is to finance better management practices through a variety of investments aimed at changing business as usual. PEP investments are flexible according to the needs of rural producers. PEP investments vary according to the various forest products and include (i) technical assistance and training (including forest management plans for timber production; (ii) equipment and supplies, including safety equipment for forest workers; (iii) silvicultural

treatments; (iv) logistics and transportation. Additional investments in land tenure regularization and research and technology development are made in collaboration with governmental institutions participating in PEP.

Protaf is a finance program with the aim of creating the incentives for smallholders to abandon shift and burn agriculture and reduce deforestation. Farmers are encouraged and taught to adopt a consortium of different species such as manioc, corn, beans, and watermelon. Some of the side benefits of implementing this mixed planting technique are restoring degraded soil and avoiding burning. In 2011/2012, 1,173 farmers received R\$5.5 million; in 2012/2013, 2,300 families are expected to receive R\$11 million.

The payment for environmental services component for both programs will be based on the budget needed to implement good forest management practices. There is no formal connection between the payment level and the environmental services provided. This is an area that requires further technical and scientific studies.

### 3. Strategy

#### 3.1. Project goals

**3.1.1. Main goal of the project:** provide technical support for the Amapá state government in planning the payment for environmental services (PES) component of the Pro- Extractivism Program (PEP) and the Family Farming Territorial Program (PROTAF).

#### 3.1.2. Expected results

**3.1.2.1. Conceptual basis:** Develop the conceptual basis considering PEP and Protaf as mechanisms for PES.

**3.1.2.2. Measuring, monitoring and training:** Propose a methodology for a system of measuring, monitoring, verification and reporting of environmental services related to PEP and Protaf (MRVsystem), training governmental staff and forest community members.

**3.1.2.3. Publication on environmental services in Amapá:** develop a booklet on environmental services within PEP and Protaf in Portuguese. A booklet in English to introduce Amapá Environmental Service Programme for Community Forests.

**3.2. Specific activities:** In order to deliver the products described below, the activities to be developed by the team of consultants include (i) literature review/research; (ii) elaboration of a preliminary version of the documents (iii) discussion of preliminary version of each document with society through public consultations, part of the ongoing process of elaboration of the state's laws on PES<sup>1</sup>; (iv) discussion of preliminary version

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<sup>1</sup> Dates to be decided by Amapá State Forests Institute (Instituto Estadual de Florestas do Amapá, IEF).

of each document with the state government through Amapá State Forest Institute (Instituto Estadual de Florestas do Amapá, IEF); and (v) presentation of a final version of each document. The documents that will be delivered are the following:

**3.2.1. Conceptual basis:** document reporting on the conceptual basis of environmental services in current scientific literature and its relation with PEP, Protaf, and its components. The document will address the following questions:

- What is the current state of knowledge on environmental services?
- Can PEP and Protaf be considered PES programs?
- Are structural adjustments needed in PEP and Protaf for fitting PES conceptual framework?

Road Map for the implementation of Community Forestry Jurisdictional REDD+

**3.2.2. Measuring, monitoring, verification, reporting (MRV) and training:** document proposing a methodological system for measuring, monitoring, reporting, verification environmental services related to PEP and Protaf. The document will address the following questions:

- Which environmental services should be a priority for measuring?
- How to measure environmental services provided by the programs?
- How to monitor environmental services provided by the programs?
- How to verify environmental services provided by the programs?
- One training courses involving technicians from IEF and RURAP
- One training course involving producers from PEP and Protaf

**3.2.3. Publication on environmental services in Amapá:** booklet on environmental services within PEP and Protaf. The main audience of the booklet will be government employees, and it will address the following questions:

- How do the programs relate to the concepts of environmental services?
- How will measurement, monitoring, verification and reporting of environmental services provided by the programs be done?
- A booklet in English introducing Amapá Environmental Service Programme for Community Forests.

**Publication on environmental services in Amapá:** develop a booklet on

	<b>Barriers</b>	<b>Solutions</b>
	Lack of technical and scientific support for the conceptual basis of program for payment for environmental services	Technical and scientific document
	Lack of indicators to monitor the program for payment for environmental services	List of indicators

Dissemination of the conceptual basis of program for payment for environmental services	Publication on environmental services in Amapá
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## 4. Project Implementation Plan

Expected results	Planned activities	Months						Responsible party	Planned budget				
		1	2	3	4	5	6		Financing source	Budget description	UNDP Resources BRL	Other Resources BRL	TO
Result 1											30	10	40
Conceptual basis document	Literature review	x						Team of consultants					
	Interviews	x						IEF/Team of consultants					
	Discussion on preliminary version		x					IEF/Team of consultants					
	Document writing		x					Team of consultants					
Result 2										90	20	110	
Measuring, monitoring, verification, reporting document Training courses	Literature review	x		x				Team of consultants					
	Interviews			x				IEF/Team of consultants					
	Discussion on preliminary version				x			Team of consultants / State government					
	Document writing				x	x	x	IEF/Team of consultants					
Result 3										30	0	30	
Publication on environmental services in Amapá	Research	x		x		x		Team of consultants					
	Discussion on preliminary version						x	Team of consultants / State government					
	Document writing						x	Team of consultants					
	Document editing						x	Team of consultants					
<b>TOTAL</b>										150	30	180	

## **5. Project Structure**

The project will be developed by Amapá State Forests Institute (IEF). IEF will be responsible for the executive coordination of the project, and the state's Working Group on Climate Change will do the institutional articulation.

The project will be coordinated by PhD Ana Euler, President of Amapá State Forests Institute (IEF). The implementation will be carried out by the Manager of PROEXTRATIVISMO Programme, MSc. Madson Rocha along with the Chief of Environment Service Unit, MSc. Lana Patricia Santos de Oliveira. A team of high level consultants will be hired to provide technical support and capacity building for IEF in planning the payment for environmental services (PES).

Direct beneficiaries of the project are 40 governmental staff (20 from IEF and 20 from Rurap). Indirect beneficiaries are 4000 families enrolled with PROEXTRATIVISMO and PROTAF programmes.

## **6. Monitoring and Evaluation**

### **Qualitative Management of Project Results**

- Project results will be evaluated on the basis of the outputs to be produced, according to the schedule outlined in this document.