

Grant Agreement
(Micro-Capital Grant Agreement)

The Agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of...

TERMS AND CONDITIONS

GRANT AGREEMENT

(Micro-Capital Grant Agreement)

For Non-Credit Related Activities

1. The Agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of...

2. The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of...

3. The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of... The grant agreement is intended to provide a grant to the recipient for the purpose of...

DESCRIPTION

Standard Grant Agreement (Micro-Capital Grant Agreement)

This Memorandum of Understanding is provided as a tool that can be adapted to the specific needs of a particular programme. Micro-Capital Grant Agreements should be approved by an independent mechanism such as a Steering Committee. This grant agreement serves to register the commitments and results that the recipient institution has agreed to produce. It is recommended that funds be released in tranches, based on results. These results should be clearly specified, such that it is clear to all parties when a recipient institution qualifies for release of tranches of funds.

TERMINOLOGY

1. This Agreement utilizes the harmonized terminology in line with the revised financial regulations and rules (FRR) which have introduced new/redefined terms as follows:
 - a. 'Execution' is the overall ownership and responsibility for UNDP programme results at the country level which is exercised by the government, through the Government Coordinating Agency by approving and signing the Country Programme Action Plan (CPAP) with UNDP. Therefore, all activities falling within the CPAP are nationally executed.
 - b. 'Implementation' is the management and delivery of programme activities to achieve specified results, specifically the mobilization of UNDP programme inputs and their use in producing outputs that will contribute to development outcomes, as set forth in the Annual Work Plans (AWPs).

These two terms are elaborated under the Legal Framework section of the Programme and Project Management Section of the POPP.

2. It is important to note that at the level of project management, the terms "execution" under the non-harmonized operational modalities, including global and regional projects and "implementation" under the harmonized operational modalities have the same meaning, i.e. management and delivery of project activities to produce specified outputs and efficient use of resources. Therefore, this Agreement uses the term "implementation" in line with the "harmonized operational modalities" to cover also at the project level the term "execution" under the non-harmonized operational modalities. More specifically, all references to "Executing Agency" have been replaced with "Implementing Partner".
3. When using this Letter of Agreement in non-harmonized or non-CPAP countries, change the following terms as follows:
 - a. Execution instead of Implementation
 - b. Designated Institution instead of Implementing Partner

A. MICRO-CAPITAL GRANT AGREEMENT

MICRO-CAPITAL GRANT AGREEMENT BETWEEN THE IMPLEMENTING PARTNER AND THE RECIPIENT INSTITUTION FOR THE PROVISION OF GRANT FUNDS

Micro-Capital Agreement (hereinafter referred to as the "Agreement") made between the Implementing Partner **Ministry of Finance** and the Recipient Institution **MASTER PROGRAMME IN SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES OF THE DEPARTMENT INFRASTRUCTURE, TECHNOLOGICAL SCIENCES (SMNR), ANTON DE KOM UNIVERSITEIT VAN SURINAME**.

WHEREAS the **Ministry of Finance** has agreed that the United Nations Development Programme ("UNDP") may manage the Global Climate Change Alliance Suriname Adaptation project under which the Promote the sustainable use of ecosystems of mangrove forests (hereinafter referred to as "the Project"), will be implemented at the request of the Government of Suriname.

WHEREAS the **Ministry of Finance** and UNDP desire to provide funding to the **SMNR, ANTON DE KOM UNIVERSITEIT VAN SURINAME** in the context of a Project and on the terms and conditions hereinafter set forth, and

WHEREAS the **SMNR, ANTON DE KOM UNIVERSITEIT VAN SURINAME** is ready and willing to accept such funds from the Implementing Partner **Ministry of Finance** and UNDP through the administration of UNDP for the above mentioned activities on the said terms and conditions.

NOW, therefore, the parties hereto agree as follows:

I. Responsibilities of SMNR, ANTON DE KOM UNIVERSITEIT VAN SURINAME

1.1 The RECIPIENT INSTITUTION agrees to: 1) Undertake the activities described in its **Workplan and Budget** (attached), and updates related to the subsequent release of funds in **tranches**; 2) Provide quarterly reports to the Steering Committee; and 3) Provide Annual Audited Statements [Income Statement and Balance Sheets]. In projects where a technical contractor is providing assistance to the RECIPIENT INSTITUTION, the contractor shall be responsible for verifying the accuracy of these reports/statements. Funds provided pursuant to this Agreement shall be used for purposes related to producing results specified in its annual performance targets [Section C].

1.2 The RECIPIENT INSTITUTION agrees to reach the performance targets contained in Section C. If the RECIPIENT INSTITUTION fails to meet its responsibilities outlined in article 1.1, or [Optional] to attain at least 70% of any one performance target for any given year, then this will be considered grounds for the Steering Committee to suspend any further micro-capital grant support. The suspension shall remain in effect until the RECIPIENT INSTITUTION has achieved the target. In projects with a technical assistance contractor, the contractor may, at its discretion, continue to provide technical assistance to the RECIPIENT INSTITUTION during this suspension period.

1.3 The RECIPIENT INSTITUTION agrees to inform the Steering Committee about any problems it may face in attaining the objectives agreed upon.

II. Duration

2.1 This Agreement will come into effect on **May 15, 2017** and shall expire on **November 14, 2018**, covering the anticipated term of the project. It can be extended, if necessary by exchange of letters, noting the new expiration date.

III. Payments

3.1 The Implementing Partner shall provide funds to the **RECIPIENT INSTITUTION** in an amount up to **USD ONE HUNDRED THOUSAND (USD 100,000)** according to the schedule of the project budget set out below. Payments are subject to the **RECIPIENT INSTITUTION** meeting the outputs as specified in the Performance Targets [Section C].

USD 45,000.00 payable in SRD against UNORE, upon signature of this Agreement
USD 36,500.00 payable in SRD against UNORE, upon approval of Financial and narrative progress reports.
USD 9,500.00 payable in SRD against UNORE, upon approval of Financial and narrative progress reports.
USD 9,000.00 payable in SRD against UNORE, upon approval of Final report of completion.

3.2 All payments shall be deposited into the **RECIPIENT INSTITUTION's** bank account of which the details are as follows:

De Surinaamsche Bank N.V.
SURBSRPA
Anton de Kom Universiteit van Suriname
SRD: 11.10.993
Henck Arronstraat 26

3.3 The amount of payment of such funds is not subject to any adjustment or revision because of price or currency fluctuations or the actual costs incurred by the **RECIPIENT INSTITUTION** in the performance of the activities under this Agreement.

IV. Records, Information and Reports

- 4.1 The **RECIPIENT INSTITUTION** shall maintain clear, accurate and complete records in respect of the funds received under this Agreement.
- 4.2 The **RECIPIENT INSTITUTION** shall furnish, compile and make available at all times to the Implementing Partner, UNDP any records or information, oral or written, which UNDP may reasonably request in respect of the funds received by the **RECIPIENT INSTITUTION**.
- 4.3 Within sixty days after completion of project activities, the **RECIPIENT INSTITUTION** shall provide the Implementing Partner and UNDP with a final report with respect to all expenditures made from such funds (including salaries, travel and supplies) and indicating the progress made toward the goals of the activities undertaken, utilizing the reporting format contained in Annex I.
- 4.4 [Optional: For projects with Technical Assistance] The **RECIPIENT INSTITUTION** agrees to submit required Performance Reports to the CONTRACTOR within 21 days of the close of each quarter using the attached reporting format (Annex 1) reporting on project progress. At the beginning of the project, the **RECIPIENT INSTITUTION** can request CONTRACTOR assistance for the preparation of the forms. The **RECIPIENT INSTITUTION**, however, should develop its own capacity to generate these reports, as they are critical to manage its activities.
- 4.5 All further correspondence regarding the implementation of this Agreement should be addressed to:

For the **IMPLEMENTING PARTNER**
Nataly Plet, National Project Director GCCA+ Suriname Adaptation Project
Office of the President of the Republic Suriname
Kleine Combe weg 2-2
PARAMARIBO, SURINAME

For UNDP:
Armstrong Alexis, UNDP Deputy Resident Representative
UN House
Gonggrijpstraat 25
PARAMARIBO, SURINAME

For the **RECIPIENT INSTITUTION**:
Dr. Jack Mencke, Chairperson of the Board
Anton de Kom Universiteit van Suriname
Leysweg 86
PARAMARIBO, SURINAME

V. General Provisions

5.1 This Agreement and the Annexes attached hereto shall form the entire Agreement between **SMNR, ANTON DE KOM UNIVERSITEIT VAN SURINAME (ADEKUS)** and the Implementing Partner, superseding the contents of any other negotiations and/or agreements, whether oral or in writing, pertaining to the subject of this Agreement.

5.2 The **RECIPIENT INSTITUTION** shall carry out all activities described in its Workplan with due diligence and efficiency. Subject to the express terms of this Agreement, it is understood that the **RECIPIENT INSTITUTION** shall have exclusive control over the administration and implementation of the activities referred to above in paragraph 1.1 and that the Implementing Partner and UNDP shall not interfere in the exercise of such control. However, both the qualities of work and the progress being made toward successfully achieving the goals of such activities shall be subject to review by the Steering Committee. If at any time the Steering Committee is not satisfied with the quality of work or the progress being made toward achieving such goals, the Steering Committee may advise the Implementing Partner to: (i) withhold payment of funds until in its opinion the situation has been corrected; or (ii) declare this Agreement terminated by written notice to the **RECIPIENT INSTITUTION** as described in paragraph 5.7 below; and/or seek any other remedy as may be necessary. The Steering Committee's determination as to the quality of work being performed and the progress being made toward such goals shall be final and shall be binding and conclusive upon the **RECIPIENT INSTITUTION** insofar as further payments are concerned.

5.3 The Implementing Partner and UNDP undertakes no responsibilities in respect of life, health, accident, travel or any other insurance coverage for any person which may be necessary or desirable for the purpose of this Agreement or for any personnel undertaking activities under this Agreement. Such responsibilities shall be borne by the **RECIPIENT INSTITUTION**.

5.4 The rights and obligations of the **RECIPIENT INSTITUTION** are limited to the terms and conditions of this Agreement. Accordingly, the **RECIPIENT INSTITUTION** and personnel performing services on its behalf shall not be entitled to any benefit, payment, compensation or entitlement except as expressly provided in this Agreement.

5.5 The **RECIPIENT INSTITUTION** shall be solely liable for claims by third parties arising from the **RECIPIENT INSTITUTION's** acts or omissions in the course of performing this Agreement and under no circumstances shall The Implementing Partner and UNDP be held liable for such claims by third parties.

5.6 Assets (Equipment) supplied by UNDP funds to the **RECIPIENT INSTITUTION** shall be the property of UNDP until the end of the project, at which time UNDP shall determine the best use of these assets. In cases where the **RECIPIENT INSTITUTION** has met its responsibilities under this agreement, and handover of the asset would contribute to the sustainability of activities, UNDP would normally handover these assets to the **RECIPIENT INSTITUTION**. The assets shall be used for the purpose indicated in the Workplan throughout the period of this Agreement.

5.7 This Agreement may be terminated by either party before completion of the Agreement by giving thirty (30) days written notice to the other party, and the **RECIPIENT INSTITUTION** shall promptly return any unutilized funds to UNDP as per paragraph 5.6 above.

5.8 The **RECIPIENT INSTITUTION** acknowledges that the Implementing Partner and UNDP and its representatives have made no actual or implied promise of funding except for the amounts specified by this particular tranches Agreement. Although project related documents may indicate a total amount of funds that could be available for this **RECIPIENT INSTITUTION**, actual disbursements will be based upon the **RECIPIENT INSTITUTION** meeting performance targets. If any of the funds are returned to the Implementing Partner and UNDP or if this Agreement is rescinded, the **RECIPIENT INSTITUTION** acknowledges that the Implementing Partner and UNDP will have no further obligation to the **RECIPIENT INSTITUTION** as a result of such return or rescission.

5.9 No modification of or change to this Agreement, waiver of any of its provisions or additional contractual provisions shall be valid or enforceable unless previously approved in writing by the parties to this Agreement or their duly authorized representatives in the form of an amendment to this Agreement duly signed by the parties hereto.

5.10 Any controversy or claim arising out of, or in accordance with this Agreement or any breach thereof, shall unless it is settled by direct negotiation, be settled in accordance with the UNCITRAL Arbitration Rules as at present in force. Where, in the course of such direct negotiation referred to above, the parties wish to seek an amicable settlement of such dispute, controversy or claim by conciliation, the conciliation shall take place in accordance with the UNCITRAL Conciliation Rules as at present in force.

The parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy or claim.

5.11 Nothing in or relating to this Agreement shall be deemed a waiver of any privileges and immunities of the United Nations, or UNDP.

IN WITNESS WHEREOF, the undersigned, duly appointed representatives of the Implementing Partner, and the **RECIPIENT INSTITUTION**, respectively, have on behalf of the Implementing Partner and the **RECIPIENT INSTITUTION** signed the present Memorandum of Agreement on the dates indicated below their respective signatures.


On behalf of Implementing Partner:

Name: Armstrong Alexis
Title: Deputy Resident Representative
Date: 15/05/2017

On behalf of the RECIPIENT INSTITUTION:

Name: Jack Mencke
Title: Chairperson of the Board
Date: 15/05/2017



B. BUDGET

TO BE PREPARED BY THE RECIPIENT INSTITUTION. THIS BUDGET WILL BE SUBMITTED TO THE STEERING COMMITTEE FOR APPROVAL

PROJECT BUDGET OF RECIPIENT INSTITUTION

Project Number:

Date: May 15, 2017

Project Title: Promote the sustainable use of ecosystems of mangrove forests

Name of the RECIPIENT INSTITUTION: **SMNR, Anton de Kom Universiteit van Suriname**

Total Amount of Funds under the Agreement: USD 100.000.00 (payable in SRD against UNORE)

Date of the Agreement: May 15, 2017

PROJECT BUDGET

PERIOD COVERING FROM May 15, 2017 TO November 14, 2018

General Category of Expenditures	Tranche 1	Tranche 2	Tranche 3	Tranche 4	TOTAL
Activity1: To conduct a VCA	30,000.00	3,500.00	-	1,500.00	35,000.00
Activity 2: To collect data throughout 12 months.	15,000.00	28,000.00	3,500.00	3,500.00	50,000.00
Activity 3 To conduct a summer school activity for eight weeks.	-	5,000.00	6,000.00	4,000.00	15,000.00
Miscellaneous	-	-	-	-	-
TOTAL	45,000.00	38,000.00	9,500.00	9,000.00	100,000.00

* *Please note that all budget Lines are for costs related only to project activities.*

C. RECIPIENT INSTITUTION Performance Targets

NAME OF RECIPIENT INSTITUTION: **SMNR, ANTON DE KOM UNIVERSITEIT VAN SURINAME**

PERFORMANCE TARGETS	BASELINE	PERIOD 1*		PERIOD 2		PERIOD 3	
		Proposed	Actual	Proposed	Actual	Proposed	Actual
Inception workshop conducted with at least 25 participants considering gender quality.	0%	100					
At least 100 individuals (households, hunters, fishermen and tour operators) interviewed considering gender equality.	0%	100					
Workshop to develop a hazard map conducted with at least 20 participants.	0%	100					
Data obtained from key stakeholders.	0%	100					
Validation workshop conducted with at least 25 participants.	0%	100					
At least 100 individuals (households, hunters, fishermen and tour operators) interviewed considering gender equality.	0%	100					
Establish two research plots	0%	75		25			
Economic valuation study conducted	25%			75			
At least 10 individuals trained in conducting awareness sessions.	0%			30		70	
At least 90 students (taking into account equal numbers of boys and girls) of the 4th and 5th grade of the elementary schools near the Bigi Pan lagoon in Nickerie obtained knowledge about the value of mangrove forests.	0%			30		70	

ANNEX 1

Annual Reporting Format

Year_____

Recipient Institution: ANTON DE KOM UNIVERSITEIT VAN SURINAME

OVERALL TARGETS FOR ENTIRE GRANT	BASELINE	PROPOSED ANNUAL TARGETS	ANNUAL BUDGET	ACTUAL ANNUAL RESULTS	ACTUAL ANNUAL EXPENDITURES	PROGRESS TOWARDS TARGETS
						-

PROJECT FORMAT – UNITED NATIONS IN SURINAME

Project title	Promote the sustainable use of ecosystem services of mangrove forests
Implementing partner	Master Programme in Sustainable Management of Natural Resources of the Department Infrastructure, Technological Sciences, Anton de Kom Universiteit van Suriname
Contact person	Usha Satnarain MSc.
Other partners	Nature Conservation Department (Ministry of ROGB)
Project Duration	18 months
Estimated budget	Total budget: USD 113,500 Divided in: Grant contribution: 100,000 Own contribution: 13,500 Other contribution: NA

Executive Summary (in English)

Globally the importance of protecting mangrove forests is being emphasized. It encompasses the protection of human by protecting the shorelines against hurricanes, coastal erosion, waves and floods. It also provides a huge amount of ecosystem services that guarantees a livelihood. It is also a very important carbon sink which is crucial to preserve with regards to combatting climate change. The Bigi Pan Lagoon which is part of the Bigi Pan Multi Purpose Management Area (MUMA) also contains an enormous area size of mangrove forests. Many individuals depend on the ecosystem services provided by the mangroves for their livelihood. Unfortunately, due to inadequate management, but moreover uncontrolled human activities the mangroves are at risk. Consequently, the livelihoods of different stakeholders are at risk, but also are the citizens in the vicinity of the Bigi Pan Lagoon vulnerable to the intrusion of the sea water due to the disappearing mangrove forest. Hence it is critical to increase the awareness of the benefits of the mangroves for us as human being, but also for the entire environment. In order to be able to manage the mangrove forest up-to-date data is essential, therefore a research station in this lagoon is needed.

To be completed by resource person from the IP or the UN

UNDAF Outcome(s)	By 2016, quality equity focused, rights-based, and gender sensitive data collection and analysis and harmonized information systems serve the development of informed social, economic, and environmental policies, budgets, legislation, and programs.
Expected Outcome(s)	To share experiences, interactively engage with policy- and decision-makers on sound and inclusive spatial planning in the hinterlands during a seminar and strengthen technical capacity of relevant institutions using the Natural Capital approach during a two-day training.
Expected Output(s)	<ul style="list-style-type: none"> • Elaborate the Natural Capital Approach in Suriname by organizing a one-day, 50-70 participant seminar with policymakers and relevant stakeholders • Present and discuss policy recommendations on land use planning in the Upper Suriname River area with policy- and decision- makers • Sharing of experiences and lessons on participatory approaches to land use planning between different actors during the seminar
Programme Title	Towards Sound Land Use Decision-making in Suriname: Applying the Natural Capital Approach to support Sustainable Land Use Planning Policies in Regions of Tribal and Indigenous Peoples
Allocated resources: <ul style="list-style-type: none"> - UN agencies - Government - Other Donors 	United Nations Development Programme Global Climate Change Alliance Suriname Adaptation Project, output 1.3

Project proposal form UNDP Suriname

I. REQUESTING ENTITY

Date of submission:

Project title	Promote the sustainable use of ecosystem services of mangrove forests			
Project number				
Country	Suriname			
Information of the requester				
Name of the organization	MSc Programme in Sustainable Management of Natural Resources (SMNR)/ Department Infrastructure-AdeKUS			
Date of establishment	8 May 1966			
Address	Leysweg 86. P.O.B. 9212			
City	Paramaribo			
E-mail	Msc-smnr@uvs.edu			
Telephone 1	465558 # 2355	Telephone 2	NA	
Contact person	Usha Satnarain			
Position	Research Assistant			
E-mail	ushasatnarain@hotmail.com / gaitrie.satnarain@uvs.edu			
Telephone 1	465558 # 2355	Telephone 2	08529991	
Information implementing organization				
(Complete only if the project is requested by another organization than the implementing organization)				
Name of the organization	NA			
Date of establishment	NA			
Mission of the organization	NA			
Members	NA			
City	NA			
Address	NA			
E-mail	NA			
Telephone 1	NA	Telephone 2	NA	
Contact person	NA			
Position	NA			
E-mail	NA			
Telephone 1	NA	Telephone 2	NA	
Project coordinator				
Last Name	Satnarain			
First Name	Usha			
E-mail	ushasatnarain@hotmail.com / gaitrie.satnarain@uvs.edu	Telephone	08529991	
Address	Leysweg 86. P.O.B. 9212			
Experience with similar projects				
List these				
	Name	Period	Donor(s)	Brief description
1	Building with Nature	April 2016-present	Conservation International	Sedimentation traps that supports mangrove colonization and enhances protection on mud shore lines
2	Vulnerability and Capacity Assessment of the Rice sector in Nickerie	February-June 2014	Caribsava	Assess the vulnerability within the rice sector in Nickerie
3				

II. PROJECT DESCRIPTION

Project title <i>(max 10 words)</i>	Promote the sustainable use of ecosystem services of mangrove forests	
District:	Nickerie	
Ressort/Village/Community	Bigi Pan	
Program Focus area <i>(input by the Country Office)</i>	Ecosystem Based Adaptation approaches (EbA)	
Related UNDP full Project: GCCA+		
GCCA+ output(s) if applicable	<input type="checkbox"/> Output 1.1 <input type="checkbox"/> Output 1.2 <input checked="" type="checkbox"/> Output 1.3 <input type="checkbox"/> Output 2.1 <input type="checkbox"/> Output 2.2 <input type="checkbox"/> Output 2.3 <input type="checkbox"/> Output 2.4 <input type="checkbox"/> Output 2.5 <input type="checkbox"/> Output 2.6	
Project duration (months)	18 months	
Financing	Total resources required	US\$ 113,500
	Total allocated resources	Grant GCCA+ project: 100,000 Co- Financing: In Kind Contributions: 13,500
Pilot location(s)	NA	
Brief pilot description (200 words max)	NA	
Project type	<input type="checkbox"/> Water management <input type="checkbox"/> Agriculture <input checked="" type="checkbox"/> Climate Change Mitigation <input type="checkbox"/> Disasters (natural prevention)	
Summary of expected results	It is expected that the outcome of the VCA will enhance the decision-making processes regarding the measures that needs to be undertaken for the potential threats. Furthermore, will the management process be improved due to the availability of up-to-date data that will be collected through the research stations. In addition, it is expected that the awareness of the benefits of protecting the mangrove forest will be increased.	
Target Area(s)	<input type="checkbox"/> Agri tech <input checked="" type="checkbox"/> Ecosystem Based Adaptation approaches (EbA) <input type="checkbox"/> Livelihood Diversification <input type="checkbox"/> Dissemination	

2.1 Summary of the project (max 250 words)

Worldwide in close collaboration with key stakeholders the United Nations Development Programme is providing assistance towards building resilient nations. As for Suriname's national goal one of the focus aspects is environment recovery. Also with regards to combatting climate change this project will surely contribute to achieve the goal through protecting the mangrove forest, which is an important carbon sink, in the Bigi Pan Lagoon in district Nickerie. Most importantly the livelihood of different stakeholders that rely on the ecosystem services of the mangroves, will be secured by increasing their awareness about the benefits of the sustainable use of mangroves. Regarding the management of the mangrove forest it is crucial to monitor the dynamics of the mangroves, hence research is also a key component of this project. Therefore a research station in the Bigi Pan Lagoon will be set up that will enable scientists and students of the MSc. in SMNR to enhance their academic skills. The obtained up-to-date data sets will improve the decision-making processes for management purposes. In addition, data on the potential threats/hazards and risks in the Bigi Pan Lagoon that might affect the mangrove forest is needed in order to undertake measures into account for managing the mangrove forest, including human safety. A successful completion of this project will improve the measures that needs to enhance the management of the mangrove forest. Consequently, the mangrove forest will be protected and accordingly the ecosystem services that are the source of the livelihood of different stakeholders will be guaranteed.

2.2 Problem Statement (problem that is to be addressed) (max 500 words)

Nickerie is recognized as the major rice producing district of Suriname which is very important for many households since they find a living in this rice sector. Except of the rice sector, families also find a livelihood from the fisheries sector for which the Bigi Pan lagoon located in this district is a well-known source. For the last decade Bigi Pan is also very attractive for tourists (local as well as foreigners), especially since relatively comfortable accommodation is possible due to constructed cabanas in the Bigi Pan itself. Unfortunately, it has been observed that the Bigi Pan lagoon is under great threat and it is assumed that overfishing and the great influx of tourists within this area might be one of the leading contributors to that threat. Hence, the interrelated connections that exists in any ecosystem between the flora and fauna, which also applies for Bigi Pan, might be susceptible to extinction in the long term. This might have significant consequences on the biodiversity within this lagoon. Consequently, the livelihood of many households is threatened which might disrupt their families. Another great threat that the community near this lagoon (Zeedijk, Voorland Waldeck, Nw. Nickerie, Nationaal project, Waterloo, Karan Anjar, Longmay, Paradise, Boonackerpolder, Hamptencourt, Krapahoeklaan, Henar) might face in the near future is the intrusion of the sea water, since parts of the mangrove forest is disappearing due to unknown reasons. In light of safeguarding the livelihoods of the households it is important to manage this mangrove forest. However, the lack of knowledge on the potential value of intact mangrove resources both tangible and intangible benefits may result in errors in formulating mangrove resource management policies that could instigate in damage and even destruction of mangrove ecosystem. In addition, the lack of sufficient data about the dynamics of the mangrove forest in this lagoon is also inhibiting the improvement of the management process.

2.3 Number of people whom are affected by the problem? (max 250 words)

The lack of adequate management will affect the livelihood of the local community consisting of approximately 40 fishermen, 40 hunters, 3 local tour operators, but also approximately 1000 households near the Bigi Lagoon are vulnerable to flooding due to the intrusion of the sea water that occurs now and then. The effects of the damage in the Bigi Pan Lagoon will not only affect the local community, but will also impact the livelihood of citizens throughout the rest of the country, such as the stakeholders involved in the ecotourism that offers an attraction package to their guests including a trip to the Bigi Pan Lagoon. Within this sector there is a chain of stakeholders whose livelihood is at risk, such as car rental companies, food suppliers, apartment owners, and tour guides. Inadequate management of the Bigi Pan Lagoon might also enhance degradation of the mangrove forest. It is recognized that mangroves protect shorelines from damaging storms, hurricane winds, waves and floods. Hence, degradation of the mangrove forest in the Bigi Pan lagoon might consequently disrupt approximately 1000 families and homes in the vicinity of the lagoon. Future generations will be placed in a disadvantage and inequity position with respect to benefitting from the ecosystem services the valuable mangrove forest provides. Also, there might be a chance that women from different ethnicity living within the area, can be affected differently.

2.4 Beneficiaries and partners involved and how are they involved? (max 250 words)

Throughout the entire lifetime of the project in close collaboration with the District Commissariat of the Ministry of Regional Development and the Nature Conservation Department of the Ministry of Planning, Land and Forest Management and the key stakeholders, that depend on the ecosystem services of the mangrove forest in the Bigi Pan Lagoon for their livelihood, the project activities will be executed. The participatory approach will be used in order to enhance the ownership of the project, but most importantly to increase knowledge in the benefits of the ecosystem services of the mangrove forest. In addition, the participation in the research section of the project, namely the data collection part, will also enhance the knowledge in the different parameters that should be taken in consideration to identifying the ecosystem health. With respect to the summer school activity the youth will have the opportunity to broaden their knowledge about the mangroves forest and the valuable ecosystem services it provides. On the other hand, the stakeholders (for example employees of the district commissariat and Nature Conservation Department of the respective ministries, fishermen and tour operators) who will be assisting in the awareness session will have the opportunity to share their experience in the Bigi Pan Lagoon with the mangrove forest including their view regarding the management of the mangrove forest. As for the AdeKUS/SMNR the students will also be able to broaden their knowledge about the dynamics of the mangrove forests and improve their research skills and consequently this project will contribute to achieving the mission of the SMNR master programme.

2.5 Coordination/Synergy-building How does the project intend to coordinate or collaborate with other existing initiatives in the similar thematic or geographical area, in order to avoid duplication and promote synergies? (max 500 words)

The mangrove rehabilitation project that is ongoing at Weg naar Zee in district Wanica by using the sediment trapping unit, has provided so far enormous data that are crucial for decision-making in particular the management, preservation and conservation of the mangrove forest. Lessons-learned and data that might be relevant for the project in the Bigi Pan Lagoon will be shared in order to avoid duplication. Already developed material for raising awareness in the benefits of the mangrove forests through projects executed in the past by different NGO'S and governmental institutions such as the Nature Conservation Department of the ministry of Planning, Land and Forest Management, will be used as guide for the summer school activity for the students in the Bigi Pan lagoon area. Different NGO's, organizations from the government and private sector such as the Citizen Information Centre of Nickerie (BIC Nickerie), SORTS, SuReSur and others will be approached for their support with regards to the awareness sessions.

2.6 Are their earlier projects/activities carried out by you or by others with the same purpose and in the same area? If so, which ones, and how to connect this project thereupon to? (maximum 500 words)

Several projects have been implemented in the Bigi Pan MUMA that is situated in the districts Coronie and Nickerie with some similar aspects that can be found in this project proposal. In 2004 the Centre of Agriculture Research in Suriname (CELOS) executed the project "Biodiversity and economic valuation of the Bigi Pan Multiple Use Management Area". The latest known project "Suriname Coastal Protected Area Management" that has been implemented within the Bigi Pan MUMA was funded by the GEF. The project goal was to safeguard Suriname's globally significant coastal biodiversity. As stated in aforementioned project there are two interrelated barriers that are inhibiting coastal protected area managers in their duty performance, namely: insufficient management capacity and inadequate financial resources. In order to eliminate the barriers different activities were undertaken, however according to unofficial sources it is concluded that the project failed in many aspects and therefore the project goal was not achieved. Nevertheless, relevant information and data that have been collected can be used for this particular project which can contribute to achieving the project goal.

2.7 Logical framework

Main purpose: to provide key stakeholders active in the Bigi Pan Lagoon in district Nickerie with necessary information that can be used as an input creating a more optimal mangrove management in the future that will safeguard livelihoods as well as the protection of the biodiversity.

<i>Project Output</i>	<i>Objectives</i>	<i>Activities</i>	<i>Indicator</i>	<i>Method of measurement</i>	<i>Target</i>
<i>The livelihoods of individual s active in the Bigi Pan Lagoon is guaranteed due to the protection of the mangrove forest in the Bigi Pan Lagoon.</i>	1.To identify potential changes of the biodiversity in the Bigi Pan Lagoon on which several stakeholders depend for their living, the level of knowledge, the attitude of men and women and their practices in relation to sustainable use of the ecosystem services of mangrove forests and the potential risks of hazards/threats the community is prone to.	1. To conduct a VCA taking into account the experience and perception of men and women differently in the following activities: 1.1. To conduct a two-day inception workshop. 1.2. To conduct a KAP survey for which at least 100 individuals (households, fishermen, hunters and tour operators) that are active in and live along the Bigi Pan Lagoon will be interviewed. 1.3. To conduct a two-day workshop to develop a hazard map. 1.4. To consult key stakeholders to obtain data 1.5. To conduct a two-day validation workshop	Interviews through questionnaires will be used.	Reports of the VCA, approximately 100 filled questionnaires, attendance sheet, pictures	Inception workshop conducted with at least 25 participants considering gender quality. At least 100 individuals (households, hunters, fishermen and tour operators) interviewed considering gender equality. Workshop to develop a hazard map conducted with at least 20 participants. Data obtained from key stakeholders. Validation workshop conducted with at least 25 participants.

	2.To improve the management of the mangrove forest of the Bigi Pan Lagoon.	2. To collect data throughout 12 months. 2.1. To establish two research plots (one in a disturbed area and one in a relatively undisturbed area in the Bigi Pan Lagoon) will be established by approximately 15 SMNR (male and female) students. 2.2. Conduct an economic valuation study of the mangrove forest in the Bigi Pan Lagoon	Research station in the field of mangrove ecosystems for SMNR students	Attendance sheet, collected data, results of analyzed data, report of economic valuation study	Establish two research plots Economic valuation study conducted
	3.To identify the level of knowledge of the students with regards to the benefits of the ecosystem services of mangroves for society.	3. To conduct a summer school activity for eight weeks. 3.1. To train a group of 10 individuals in conducting awareness sessions with regards to valuable mangrove forests. 3.2. To organize an awareness session twice a week during eight weeks for at least 90 students of the 4 th and 5 th grade of the elementary schools near the Bigi Pan lagoon in Nickerie.	Summer school activity including presentations, role plays and field visits.	Attendance sheets, pictures, school activity documented	At least 10 individuals trained in conducting awareness sessions. At least 90 students (taking into account equal numbers of boys and girls) of the 4 th and 5 th grade of the elementary schools near the Bigi Pan lagoon in Nickerie obtained knowledge about the value of mangrove forests.

2.8 Description of the activities

Activity	Description
Activity1 To conduct a VCA	In order to assess the risks and hazards the different active stakeholders in and the community around the Bigi Pan Lagoon are prone to and the capacities they have for dealing with those.
sub activity 1.1. To conduct a two-day inception workshop for approximately 50 participants.	Through this workshop the stakeholders will be informed about the purpose of the project and the activities that needs to be conducted to achieving the goal. Furthermore, will information be collected in order to have an insight on the potential hazards the area is prone to and the possible adaptation solutions the stakeholders have in mind.
sub activity 1.2. To conduct a KAP survey for which approximately 100 individuals (households, fishermen, hunters and tour operators) will be interviewed.	Through questionnaires in depth investigation will be conducted regarding the knowledge and capacity each individual (interviewee) have in dealing with the hazards.
Sub activity 1.3. To conduct a two-day workshop to develop a hazard map	In order to map the vulnerable areas which can be used for management and decision-making purposes.

Sub activity 1.4. To consult key stakeholders to obtain data	The key stakeholders will be consulted to obtain in-depth data on potential hazards that might disrupt their families and the perhaps the entire community.
sub activity 1.5. To conduct a two-day validation workshop	Through this workshop the collected data will be verified on completeness, correctness in order to be validated for finalizing the VCA report.
Activity 2 To collect data throughout 12 months.	In order to identify the dynamics of the mangrove forest data on different parameters will be collected.
sub activity 2.1. Two research plots (one in a disturbed area and one in a relatively undisturbed area in the Bigi Pan Lagoon) will be established by approximately 15 SMNR students.	The research plots will be established so as to collect data on the dynamics of the mangrove forest. In light of identifying contributing factors to damaging the mangrove forest two research stations will be set up, one in a disturbed area and one in a relatively undisturbed area. In addition the biodiversity richness will also be assessed in both research plots.
sub activity 2.2 Conduct an economic valuation of the mangrove forest in the Bigi Pan Lagoon	To valuing the ecosystem services of the mangrove forest in monetary terms which can be taken in consideration in decision making and management of the Bigi Pan Lagoon.
Activity 3 To conduct a summer school activity for eight weeks.	Through this activity (additional) knowledge about mangrove forests will be obtained in order to take measures in protecting and conserving the mangrove forest.
sub activity 3.1 To train a group of 10 individuals in conducting awareness sessions with regards to mangrove forests.	The stakeholders will be trained in skills that are necessary to conduct awareness sessions. Also will the information and material developed for the awareness sessions and entire summer camp activity.
sub activity 3.2 To organize an awareness session twice a week during eight weeks for approximately 100 students of the 4 th and 5 th grade of the elementary schools near the Bigi Pan lagoon in Nickerie.	For eight weeks the students will participate in different awareness raising activities through which they will obtain knowledge about mangrove forests and its valuable ecosystem services.

2.9 Summary Timetable in months (per activity)																			
		Months																	
	Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	ACTIVITY 1	■	■	■	■	■													
2	ACTIVITY 2					■	■	■	■	■	■	■	■	■	■	■	■		
3	ACTIVITY 3											■	■	■	■	■	■		
4	<i>Progress Report</i>				■				■			■					■		
5	<i>Monitoring and evaluation</i>				■				■			■					■		
6	<i>Final Report</i>																		■

2.10 Management
<i>Explain how the project will be managed, who within the Organization will be responsible for what tasks, how the funds will be managed, how (and when) there will be consultation among themselves, and how progress will be monitored.</i>
The management lies in the hand of the project manager, Dr. Riad Nurmohamed, and the project will be coordinated by Usha Satnarain who will be in charge of the research and therefor will be the main researcher throughout the project under supervision of Dr. Nurmohamed. Once a month the project team will meet to evaluate the progress of the activities. In the progress reports specific progress indicators should be documented. The monitoring plan will be presented in a framework that will clearly present the progress indicators for the specific project objectives and the related activities.

2.11 Monitoring and Evaluation		
Type of M&E activity	Responsible Parties	Time frame
Inception report	Project coordinator	Month 4
Progress reports	Project coordinator	Month 4,8, 12, 16
Financial Reports	Project financial administrator	Month 6,12,18
Field Monitoring and Evaluation	Project coordinator	Month 4,8,12,16
Final Project Report	Project Manager	Month 18

III. SUMMARY BUDGET

	Grant contribution	Own contribution	Other contribution	Total Cost
ACTIVITY 1	35000	1600	0	31350
ACTIVITY 2	50000	1500	0	51500
ACTIVITY 3	15000	400	0	15400
Miscellaneous	0	10000	0	10000
TOTAL COST	100000	13500	0	113500

Background documents

	Attached	Yes/No
1. Statutes of the organization		NA
2. Photo ID of 3 signatory members of the Board		NA
3. Copy of the registration in the National registry for foundations		NA
4. Initialed copy of at least one financial reports or audits of the organization		NA
5. Letter of support in case of partnerships		NA

Signatures

Signature of the Programme coordinator SMNR requesting organization	<i>R. Munshored</i>	Date 03/03/2017
Signature Project Coordinator	<i>U. Satharain</i>	Date 03/03/2017



MSc in SMNR

[Handwritten signature]

[Handwritten signature]
3/5/17

[Handwritten signature] 03/05/17



DETAILED BUDGET (Promote the sustainable use of ecosystem services of mangrove forests)

Description of activity	Grant contribution	Own contribution	Other contribution	Total
Activity 1. To conduct a VCA	0	0	0	0
sub activity 1.1 To conduct a two-day inception workshop for approximately 50 participants.	5,000	250	-	5,250
sub activity 1.2 To conduct a KAP survey for which approximately 100 individuals (households, fishermen, hunters and tour operators) will be interviewed.	15,000	500	-	15,500
sub activity 1.3 To conduct a two-day workshop to develop a hazard map	5,000	500	-	5,500
sub activity 1.4 To consult key stakeholders to obtain data	5,000	100	-	5,100
sub activity 1.5 To conduct a two-day validation workshop	5,000	250	-	5,250
Subtotal				36600
Activity 2. To collect data throughout 12 months.	-	-	-	-
sub activity 2.1 To establish two research plots (one in a disturbed area and one in a relatively undisturbed area in the Bigi Pan Lagoon) will be established by approximately 15 SMNR students.	5,000	500	-	5,500
sub activity 2.2 Data collection throughout 12 month	25,000	500	-	25,500
sub activity 2.3 Conduct an economic valuation of the mangrove forest in the Bigi Pan Lagoon	20,000	500	-	20,500
Subtotal				51500
Activity 3. To conduct a summer school activity for eight weeks.	-	-	-	-
sub activity 3.1 To train a group of 10 individuals (representatives of key stakeholders) in conducting awareness sessions with regards to mangrove forests.	5,000	100	-	5,100
sub activity 3.2 To organize an awareness session twice a week during eight weeks for approximately 100 students of the 4th and 5th grade of the elementary schools near the Bigi Pan lagoon in Nickerie.	10,000	300	-	10,300
Subtotal				15400
Other [Specify]	0.00	0	0	0
Miscellaneous	0.00	10000	0	10000
Total	100,000	13,500		113,500



**MINISTERIE VAN
RUIMTELIJKE ORDENING, GROND- EN BOSBEHEER**

(Ministry of Physical Planning, Land- & Forest Management)

Cornelis Jongbawstraat 10-12 Paramaribo-Suriname

Telefoon: (597) 473316/471178/470669

Telefax: (597) 470876

Paramaribo, 8th May 2017.

Subject: Project "Promote the sustainable use of ecosystem services of mangrove forests in the Bigi Pan lagoon, district Nickerie

Reference No: OD BDS 216-17

LETTER OF SUPPORT

We hereby inform you that the Ministry of Physical Planning, Land and Forest Management in Suriname, represented by Claudine Sakimin from the Nature Conservation Division (Natuurbeheer) herewith states that it agreed to cooperate with The Master of Science Programme on Sustainable Management of Natural Resources in the mutual implementation of the project "Promote the sustainable use of ecosystem services of mangrove forests in the Bigi Pan lagoon, district Nickerie" for the duration of 18 months.

The Nature Conservation Division will support the approach which will be used in this project. The specific roles and responsibilities will include:

- Support in the activities where boat transportation and field assistance from the Nature Conservation Division are needed
- Assist during awareness sessions by sharing knowledge and experiences of the game wardens employed at the Nature Conservation Division

Sincerely,

Acting Deputy Permanent Secretary Forest Management,

Mr. O. Saeroon

