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Terms of Reference

EU Project: the Local Actors for Change in the Hinterland (LACH
" Enhancing 2D Maps and Monitoring Brownsberg Nature Park"

1. Background

The **Local Actors for Change in the Hinterland (LACH)** project, funded by the European Commission and implemented in Suriname by Conservation International Suriname (CI-S) and Amazone Conservation Team-Suriname (ACT), aims to mitigate climate change through effective, community-managed forests in Suriname's hinterland. The project is based on the theory that 1) by sustainably managing these forests and working to prevent illegal exploitation, vast amounts of CO₂ will continue to be sequestered, and 2) local communities, organized through local organizations and leadership groups, have greater leverage and incentive to conserve the forest.

The Foundation for Nature Conservation Suriname (STINASU) was founded on June 17, 1969, with the mission to be the leading organization in Nature protection and conservation in the protected areas of Suriname. STINASU is the legally endorsed institute to manage all activities in the 5 (five) nature reserves placed under its management. Within the LACH project, STINASU participates as the owner of Brownsberg Nature Park (BNP) to lead the *Brownsberg Nature Park Protection and community Project*.

Brownsberg is renowned for its popularity among eco-tourists as one of Suriname's prominent protected areas, however the park lacks well-maintained, clearly visible borders (dated 1972) and has no qualified park guards. It also needs new (business) models for park management that encourage continued engagement and sustainable income opportunities for the nearby community of Brownsberg and other stakeholders. For centuries, the Samaaka Maroons have considered the area now delineated as the Brownsberg Nature Park as part of their traditional lands.

Brownsberg Nature Park Protection and community Project, undertaken by STINASU, aims to enhance the existing map of Brownsberg Nature Park by incorporating more and new topographic information as well as zoning. To achieve this, STINASU is seeking a consultant capable of training their staff in the fundamental usage of GPS (Global Positioning System) and GIS (Geographic Information System) technologies for data collection to update the current 2D map of Brownsberg. Subsequently, the consultant will develop a final updated 2D map of Brownsberg Nature park with zoning and height indications with the help of community and stakeholder input.

2. Objectives, Key Tasks, and Deliverables:

The objective of this consultancy is to update the current 2D map of Brownsberg Nature Park by gathering satellite and field data from the Brownsberg and its surroundings. The resulting information, combined with input from stakeholders like the surrounding community, will be used to produce a final 2D map.

Eight field workers from STINASU will be responsible for collecting field data. They will receive four weeks of training in basic GPS and GIS data collection techniques to accurately collect data for the updating of 2D map of Brownsberg. Subsequently, a team of STINASU workers will receive advanced remote sensing training to enable remote monitoring of Brownsberg's daily overview from Paramaribo. A one-day workshop will be conducted to present the initial draft of the updated 2D map of Brownsberg to the different stakeholders, followed by a validation process. Ultimately, the input received from stakeholders will be utilized to finalize the 2D map of Brownsberg, incorporating the different zones.



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Key Tasks

- Develop a tailor-made GIS training with manual for collecting data in the field.
- Facilitate a 2-week training in GIS data collection and the use of a GPS to 8 field data collectors at Brownsberg Nature Park
- Produce 1st draft of the updated map of Brownsberg Nature Park for STINASU for review and for validation by GBB.
- Develop a tailor-made training in remote viewing techniques in a useable program for STINASU.
- Facilitate a 2-week training in remote satellite viewing of the Brownsberg Nature Park to monitor the daily overview in Paramaribo.
- Present the 1st draft of the updated map of Brownsberg Nature Park to the different stakeholder in a 1-day workshop in Paramaribo.
- Finalize the 2D map of Brownsberg Nature Park with zoning based on stakeholders' input and field data.
- Develop a final report reflecting on all consultancy activities, highlighting key achievements, addressing challenges encountered, and providing recommendations for a follow-up trajectory.

Deliverables, Acceptance criteria and Due dates

#	Services	Deliverables	Acceptance Criteria	Due dates
1	Develop a workplan for the consultancy, including training and collection of GIS data <i>in order to develop an updated 2D map of BNP</i>	Workplan	The workplan must contain the following: a) An overview of proposed activities b) Activity timeline	August 20, 2023
2	Develop a tailor-made GIS/GPS-training manual for collecting data, and remote viewing techniques.	GIS/GPS training manual	The manual must contain the following: a) Clearly defined objectives and activities b) A list of necessary tools and equipment	August 31, 2023
3	Facilitate a 2-week training in GIS data collection and the use of a GPS to 8 field data collectors at Brownsberg Nature Park	Proof of training - participant list - Pictures	An update on training a) Brief email report on training, highlights, and potential obstacles. b) Pictures from the session (or link)	September 22, 2023
4	Produce 1 st draft of the updated map of Brownsberg Nature Park for STINASU for review and validation by GBB.	1 st draft updated map of BNP	The map should be in hard and digital copy	October 20, 2023
5	Facilitate a 2-week training in remote satellite viewing of the Brownsberg Nature Park using a GIS-program suitable for daily monitoring by STINASU from Paramaribo.	Proof of training - participant list - Pictures - installed GIS-monitoring program on the	An update on training a) Brief email report on training, highlights, and potential obstacles.	October 30, 2023



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		laptop/computer for STINASU	b) Pictures from the session (or link)	
6	Present the 1 st draft of the updated map of Brownsberg Nature Park for validation and gathering new input from different stakeholder in a 1-day workshop in Paramaribo.	<ul style="list-style-type: none"> - Meeting notes - Input from the stakeholders - Participant list 	After the training the following should be provided <ul style="list-style-type: none"> - Meeting notes - Pictures from the session (or link) 	November 15, 2023
7	Finalize the 2D map of Brownsberg Nature Park with zoning based on validation process, including stakeholders' input and collected field data.	Final 2D map of BNP with zoning and height indicators	The map should be in hard and digital copy	November 30, 2023
8	Develop a comprehensive final report for the consultancy	Final Report (in English)	The final report should contain: <ul style="list-style-type: none"> a) Evaluation of the consultancy b) Highlighting key achievements, addressing challenges encountered c) Recommendations for a follow-up trajectory 	December 15, 2023

Estimated Timeline and Budget

The consultancy is scheduled for approximately five (5) months, ideally starting on August 10, 2023, and ending on December 15, 2023.

Budget, Reporting, and Payment Schedule

The total obligated amount for this consultancy is divided in:

- a) Consultant compensation at the start of the project at 40%
- b) Consultant compensation for completing the draft map at 20%
- c) Consultant compensation for completing all activities at 40%

Location of Task

- Desk review and reporting in Paramaribo.
- Training activities in Brownsberg and Brownsweg

Reporting

The consultant will report directly to **Euridice Gaspar-Nortan, Project Manager** of STINASU for the “Brownsberg Nature Park Protection and community Project”. Deliverables as listed and described will **also** be monitored by the CI-S' LACH Team.

Required Skills and Experience

The consultancy will be conducted by an independent consultant or consultancy firm with the requisite skill set to conduct his/her mission. The trainees will be provided with a first aid kit to be used in case of emergencies.

Specifically, the consultant/consultancy is based in Suriname and has the following expertise:

- Professional background (MSc.) in GIS principles, data analysis, spatial databases, and various GIS-monitoring software tools.



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- Minimum 3 years' experience in working professionally with GIS mapping and GPS.
- Minimum 3 years' experience in the production and printing of GIS maps.
- Demonstrated knowledge and experience in training of individuals or groups.
- Prior knowledge of Brownsberg Nature Park
- Excellent skills in and access to GIS satellite programs and material for BNP
- Excellent reporting and presentation skills in Dutch and English
- Knowledge of Nature conservation and biodiversity
- Environmentally friendly approach

Evaluation and Selection Criteria

- The overall quality of CV and Cover Letter – 3 pts
- Education Requirement - 3 pts
- Work Experience Requirement- 3 pts
- Strong communication & presentation skills including the ability to effectively convey complex details or technical information 3 pts
- Experience with similar projects- 3 pts
- Understanding of the challenges and cultural background of Maroon communities - 3 pts
- Highly familiar with employing cultural awareness and sensitivity - 3 pts
- Comprehensive technical proposal on GIS and map development- 3 pts
- Budget – 3 pts

Interested?

- Applications should be sent, in English or Dutch, to ci-suriname@conservation.org on/ or before August 2, 2023, by 23:59 PM. Please specify "Enhancing 2D Maps and Monitoring Brownsberg Nature Park + Your Name" in the subject line. Applications should include:
- (i) A resume of the applicant (s) providing detailed information on the criteria listed in the "selection criteria" section of the RFP
- (ii) Provide two studies or reports for similar work performed by the consultant in the past
- (iii) Budget according to the activities, deliverables, and estimated timeline

Applicants who submitted complete applications and have all the essential skills and competencies will be selected and contacted for an interview. Please do not send information not requested. Questions and clarifications regarding the consultancy may be addressed no later than July 31, 2023, to the Project Lead; Ms. L. Trustfull by e-mail at ltrustfull@conservation.org.