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## INDIVIDUAL CONSULTANT PROCUREMENT NOTICE

RFQ-2015-03/UNDP Suriname

Date: 23 November 2015

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**Contracting Unit: UNDP Suriname**

**Description of the assignment:** National Forest Inventory Specialist

**Division/Department:** Foundation for Forest Management and Production Control,  
Directorate Research and Development

**Period of assignment/services (if applicable):** 1 Year – 240 working days in Suriname

**Location:** Paramaribo, Suriname

**Expected Start Date:** January 2016

The applicant is requested to submit a technical and financial proposal (quotation) accompanied by a resume (CV) and P11 history form to the following email address [registry.sr@undp.org](mailto:registry.sr@undp.org) no later than **14 December 2015** with the assignment name as subject.

Please indicate clearly your availability during period mentioned above

Any request for clarification must be sent in writing, or by standard electronic communication to the e-mail address indicated above. **UNDP Suriname** will respond in writing or by standard electronic mail and will send written copies of the response, including an explanation of the query without identifying the source of inquiry, to all consultants.

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### GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

With a forest cover greater than 90% of the land area, Suriname is one of the countries in the world with the greatest forest cover. It is a challenge for the country to develop in a sustainable manner, while sustaining the services its forests provide. One of these services is the sequestration of one of the major Greenhouse Gases, CO<sub>2</sub>, contributing to the mitigation of global Climate Change. Currently Suriname is preparing to be included within a REDD+ process under the United Nations Framework Convention for Climate Change (UNFCCC), throughout the implementation of the REDD+ Readiness Preparation Proposal (R-PP). The data on carbon stock changes that Suriname needs to collect to be able to report on results-based implementation of REDD+ will be collected through a multipurpose National Forest Monitoring System (NFMS). This system will provide information for the government, to be used while planning sustainable and optimal management of the country's resources, will allow policy enforcement and will allow international reporting on multiple conventions. Simultaneously a national physical planning is envisioned, and an integration of the stakeholders including the forest-based communities within the National Forest Monitoring system is considered crucial.

The objective of the assignment is to provide support in the implementation of the National Forest Inventory (NFI) in order to obtain improvements in the quality of forest information. The consultant will collaborate with the *forest inventory team* and other experts/teams in inventory design; planning, organizing and supervising of field work. She/ He will also assist in organizing workshops and conduct training on forest inventory.

### KEY PERFORMANCE INDICATORS

	Activities	Expected outcomes
1.	Support to create a database with all relevant forest inventory data. The <i>forest inventory team</i> will support the specialist to collect all this data, store them in the national database, with a description of how the different forest inventories were carried out including their geographical location.	National forest inventory database
2.	Carry out in close collaboration with the <i>forest inventory team</i> , a statistical analysis on the collected data, taking into account the different sampling approaches and plot designs. Aim to calculate average carbon estimates with their variances per forest types and or stratum.	Report on carbon estimates per forest types
3.	Build capacity within the <i>forest inventory team</i> to carry out this kind of calculations.	Team is trained to carry out statistical analysis
4.	Write and publish a report, explaining the background information of all inventories carried out in Suriname, the methodology to process all the data, and the resulting carbon estimates.	Report on baseline information of forest inventory
5.	Identify different suitable approaches to stratify Suriname when implementing a National Forest Inventory, based on physical, social and environmental conditions.	Report on stratification alternatives for Suriname
6.	Carry out a stakeholder's consultation, in close collaboration with the management team, to determine the needs for information about the different stratum and to identify opportunities for collaboration with other institutions.	Workshop report
7.	Create a proposal for a suitable sampling design and intensity based on the required information for the strata and the characteristics of each stratum. Additionally a suitable plot design will be proposed, streamlined as much as possible with the present national experience and the results of the NFI pilot project. Within this activity it will be possible to test the plot and sampling design for an identified area.	Report on (validated/tested) sampling and plot design
8.	Compile in close collaboration with the NFMS management team a comprehensive plan showing the stepwise approach to arrive to the implementation of a full scale National Forest Inventory. This plan should be streamlined with the National Plan for Forest Cover Monitoring and the PRODOC for REDD+ implementation.	Final report on the proposed NFI plan

## REQUIRED COMPETENCIES

### Academic Qualifications

Postgraduate degree (MSc) in Forestry, or Natural Resource Management, or equivalent. PhD in Forestry considered as an advantage.

### Technical Competencies and Experience Requirements

- At least 7 years working experience in forest inventories.
- Thorough experience in forest inventory data processing using R
- Preferably experience in using GPS receivers, Geographic Information Systems (GIS) and IT applications for natural resource management.
- Experience in project management and organizing training are regarded as an advantage.
- Prior field experience in forest inventories in developing countries
- Experience with the REDD+ process under the UNFCCC is preferable
- Working skills in English and/or Dutch
- Excellent presentation and report writing skills

## ORGANIZATIONAL ARRANGEMENTS

The Forest Inventory specialist will work under the guidance and supervision of the director of the Research and Development Department. He/she will work closely with the different units within the Department of Research and Development for substantive aspects of the assignment.

## LOCATION

The Forest Inventory specialist will be positioned in Paramaribo, and will work within the Foundation for Forest Management and Production Control.

## FINANCIAL ARRANGEMENTS

Deliverables and payment schedule:

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|---|----------------------------|
| • Detailed workplan   | submitted and accepted 10% |
| • NFI data base in place and report of the carbon estimates | submitted and accepted 20% |
| • Trainings report and validated for the carbon estimates   | submitted and accepted 10% |
| • Report on base line information on NFI                    | submitted and accepted 20% |
| • Report stratification alternatives                        | submitted and accepted 20% |
| • Final validated sampling and NFI plan                     | submitted and accepted 20% |