



Foundation for Forest Management and Production Control (SBB) Terms of Reference for NFMS Database Manager

Job title: NFMS Database Manager
Duty station: Paramaribo (Office of the SBB)

General description

Suriname is preparing its participation in the United Nations forests & climate mechanism REDD+. This mechanism allows countries to get financial support to reduce the GHG-emissions caused by deforestation and forest degradation, and to sustainably manage its forests, enhance its forest carbon stocks and to promote forest conservation. The mechanism can be used as a tool to sustainably develop the country and provide alternative business models. This will be done in an inclusive and participatory manner, strengthening the national institutional capacities.

Role of SBB in REDD+

Within the implementation of the REDD+ Readiness Proposal and PRODOC, SBB is as an implementation partner responsible to establish the Forest Reference (Emissions) Level (FREL/FRL) and to develop a National Forest Monitoring System (NFMS), following UNFCCC decisions and the IPCC guidelines. While the NFMS has to provide information on the REDD+ performance of Suriname, it will be dynamic and designed to provide information for multiple purposes, as required by the national government to support sustainable forest management and the formulation and implementation of national policies, or as required by other stakeholders. The information will be transparent, easily accessible and provide an insight on the actual state of Suriname's precious forest resource.

The NFMS Database Manager will, in close collaboration with the other experts of the NFMS team, contribute to the implementation of the "*NFMS roadmap: Status and plans for Suriname's National Forest Monitoring System*". By establishing the NFMS towards the end of the REDD+ readiness phase, the country will have the in-house capacity to measure the results achieved through the implementation of the National REDD+ strategy.

Specifically the NFMS Database Manager is responsible for the development of the NFMS-database; providing a platform for sharing all NFMS data with the public but also between partners. He/she will support the development of efficient information flows supporting online platforms and mobile data collection apps. She/he will be well aware of other activities carried out on a national level related to centralized environment data collection and will contribute to an efficient national information system.

Tasks for the NFMS Database Manager

Support SBB's contribution to REDD+ in terms of reliable data, in line with the national and international requirements (UNFCCC decisions, IPCC guidance, etc.) and responsibilities formulated in nationally adopted documents (R-PP, PRODOC):

1. Make sure that the NFMS geoportal (www.gonini.org) is online for the users and solve eventual technical problems in collaboration with the different partners.
2. Update the NFMS geoportal (www.gonini.org) with up-to-date spatially explicit information amongst others the data generated within the NFMS, such as through the

- Satellite Land Monitoring System (SLMS) and data available through participatory monitoring initiatives.
3. Support the implementation of the Sustainable Forestry Information System Suriname (SFISS) component of the NFMS by supporting the related database management and its integration with other components of the NFMS.
 4. Lead the national implementation of the further development of the NFMS geoportal as implemented by UN-REDD in close collaboration with a technical team of SBB (and NIMOS), including the following:
 - a. Develop a mobile application so that the geoportal can be accessed out in the field. This tool will also further support the REDD+ Assistants Collective and private sector representatives when they want to collect data in the field.
 - b. Get a better registration of the users of the downloaded data.
 - c. Improve the reporting of the numeric outputs on a national, district and resort level to support the national and local governments to get better insight in the forest-related activities in their respective area.
 - d. Provide the possibility for users to generate maps, making it possible to use the data of the NFMS geoportal in the field.
 5. Provide training and create training material (e.g. online tutorials) to enhance the use of the geoportal in daily activities related to land use and sustainable forest management. These trainings will be provided in collaboration with the other NFMS staff to amongst others: Community representatives: REDD+ Assistants Collective and umbrella organisations, representatives from local governments (districts and resorts), representatives from other ministries, SBB and NIMOS staff and other relevant partner organizations.
 6. Support synergies between the NFMS and other projects related to forest data collection. Support the expansion of the NFMS geoportal to be the geographical interface of the System-Of-System.
 7. Support the operation of the intranet portal CEIBA, showing updated data within SBB.
 8. Support the development of mobile data collection tools to be used in forest inventory, participatory monitoring work, socio-economic studies.
 9. Provide technical solutions to establish data sharing platforms on a bilateral or multilateral basis using the back end of the NFMS geoportal. Technically support the implementation of collaborative monitoring activities with relevant partners.
 10. Carry out activities supporting the overall implementation of the NFMS

Qualifications

1. ICT experience of minimum three years or a BSc. degree in ICT, environmental sciences, forestry, natural resource management, geographic information systems or other related fields.
2. Demonstrated good understanding of REDD+, NFMS, FREL/FRL, MRV.
3. Experience working with Remote Sensing and/or Geographic information systems.
4. Experience with managing large datasets.
5. Experience working with QGIS, R, PostGRESQL/ PostGIS, GeoServer or other related software.
6. Experience with developing mobile data collection applications with a.o. ODK is an asset.
7. Affinity with computer science or basic experience in coding (e.g. R, JavaScript, Python)
8. Affinity with the environmental sector
9. Experience in implementing trainings and transmitting knowledge.
10. Proficiency in at least English and Dutch. Knowledge of other languages e.g. Sranan Tongo is an asset.
11. Excellent writing, reporting and presenting skills.

Organizational and Financial Arrangements

The NFMS database manager will work on a full time basis within the NFMS Unit hosted by the Foundation for Forest Management and Production Control (SBB) and will technically report to the Director of Research and Development of SBB. The NFMS Unit is positioned in the office of the SBB.

The NFMS database manager will be paid a monthly fee. These payments will be administered following a monthly report approved by SBB and NIMOS.