



2014 – 2019



JICA-PNGFA PROJECT

Capacity Development Project for Operationalization of PNG Forest Resource Information Management System (PNG-FRIMS) for Addressing Climate Change

Outline of the Project

Situation of Papua New Guinea

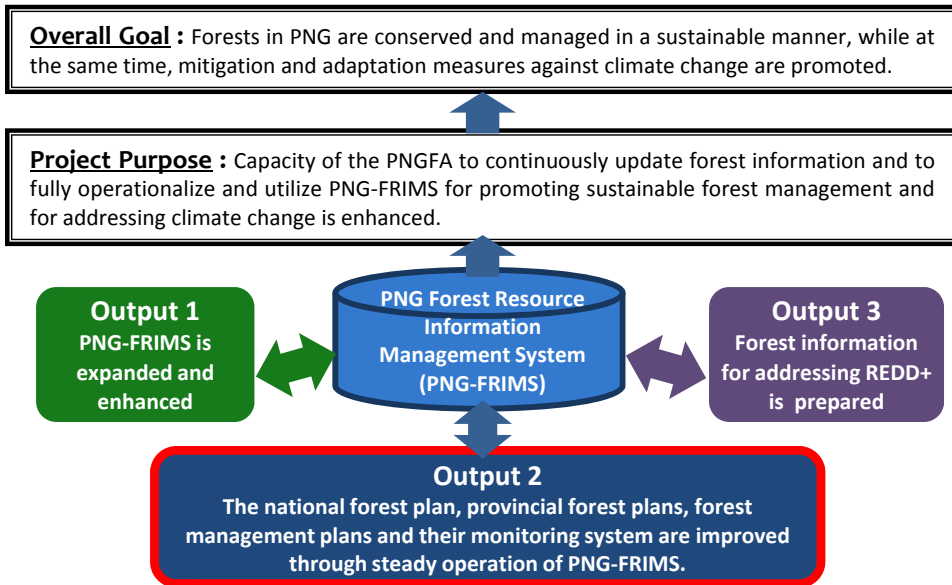
Papua New Guinea (PNG) contains some of the largest areas of tropical rainforest in the Pacific region. The tropical rainforest plays important roles in many aspects, contributing to the national economy through timber exports, rich biodiversity and mitigation of climate change. While alarming rate of loss and degradation of forest have been reported in recent decades, there was no robust forest monitoring system in PNG. In order to address this challenge, Japan International Cooperation Agency (JICA) and PNG Forest Authority (PNGFA) implemented a capacity development project from March 2011 for three years, combined with the Japanese Grant Aid Program that provided the project with remote sensing data, GIS equipment, and training program for the officers of PNGFA and other relevant government agencies.

JICA-PNGFA Project 2011 – 2014: Achieved Outcomes

The project successfully improved Nation-wide Forest Base Map 2012 that suggested a necessity of closer monitoring on forest operation and the extent of forest degradation and deforestation over the 37 million hectares of forest in PNG. The project also established a PNG Forest Resource Information Management System (PNG-FRIMS) based on a GIS system with remote sensing technology. The output of the project included proposals on some tools for forest monitoring including radar technology and carbon estimation. The project also contributed to determining thresholds of national definition of forest of PNG.

JICA-PNGFA Project 2014 – 2019: Planned Outcomes

In order to improve the cyclic management of forest in PNG in coherent manner, the new project aims to enhance capacity of PNGFA to continuously update forest information and to fully operationalize and utilize PNG-FRIMS for promoting sustainable forest management and for addressing climate change. The new project commenced in August 2014 and will terminate in August 2019.



Improvement of Forest Management and Forest Administration



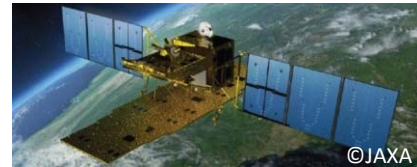
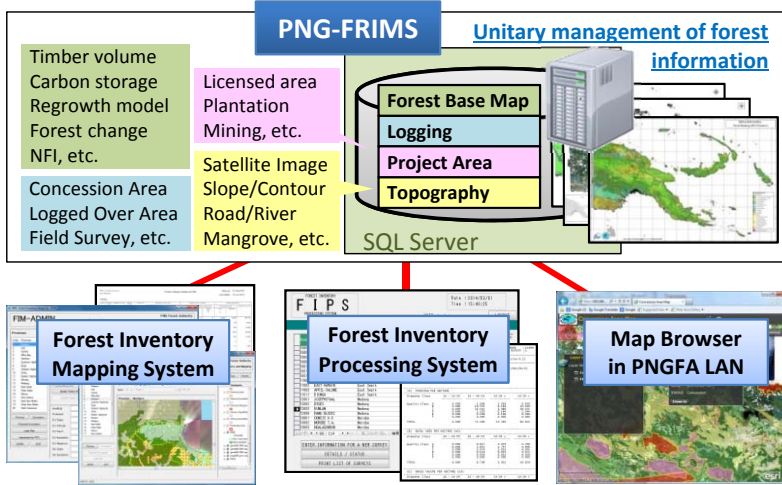
RapidEye 5m resolution

Outputs and Progress Made



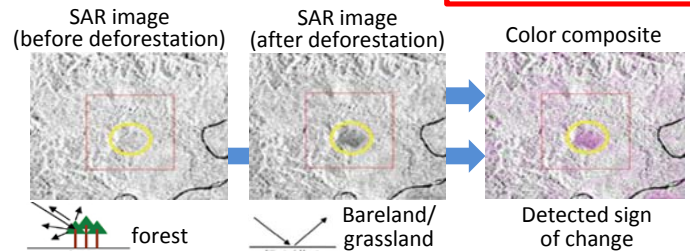
Output 1 Expanded PNG Forest Resource Information Management System (PNG-FRIMS)

Progress : Updated the Forest Base Map and logging info, and added topography related info in PNG-FRIMS DB
In the process of detecting forest degradation and adding new function to PNG-FRIMS



ALOS-2 (launched in May 2014)

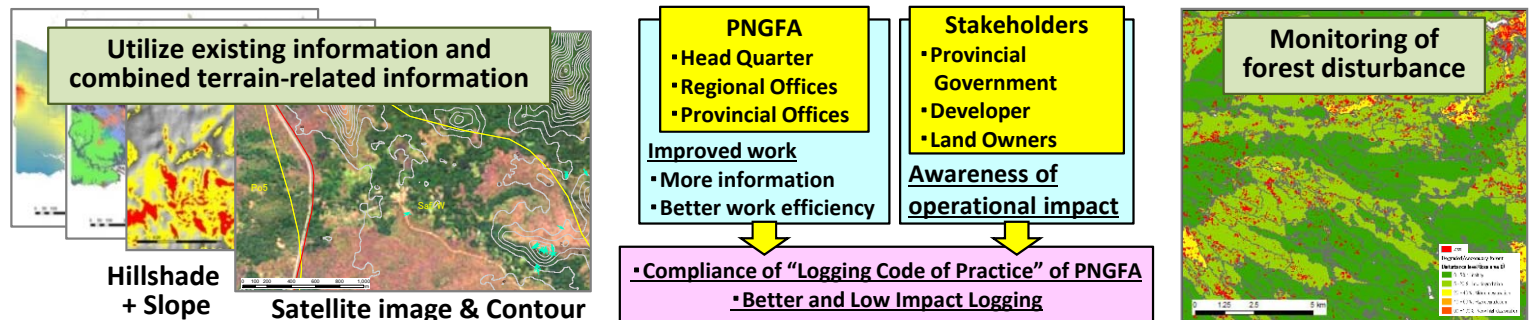
Forest Change Monitoring by Analysis Combining ALOS-2, Logging Plan, Existing Database System, etc.



Output 2 Improved National Forest Plan, Provincial Forest Plans, Forest Management Plans and Their Monitoring System through steady operation of PNG-FRIMS

Progress : Possible approach for improving forest management and planning assessed

Improvement and Utilization of Forest Base Map and Forest Database for Forest Management and Planning



Output 3 Forest Information for Addressing REDD+

Progress : Information provided for activities of other donors and stakeholders

Support for (1) National Forest Inventory, (2) REDD+ International Report, and (3) Forest Conservation Implementation and Administration



PNG Forest Authority (JICA Project)

Address: P.O.Box 5055, Boroko, National Capital District, Papua New Guinea

Email: cbigol@pngfa.gov.pg / twatanabe@pngfa.gov.pg

JICA Project Site: <http://www.jica.go.jp/png/english/activities/activity12.html>

Project Facebook Page: <https://www.facebook.com/jica.png.forest.monitoring/>



Last updated on Nov. 2015