

JICA-PNGFA PROJECT Outline

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

Citation: JICA and PNGFA, 2017, '2014-2019 JICA-PNGFA Project Outline - JICA-PNGFA Forestry Project 2014-2019 Fact Sheet No.1'. Papua New Guinea Forest Authority, Port Moresby, Papua New Guinea

Outline of the Project

Situation of Papua New Guinea

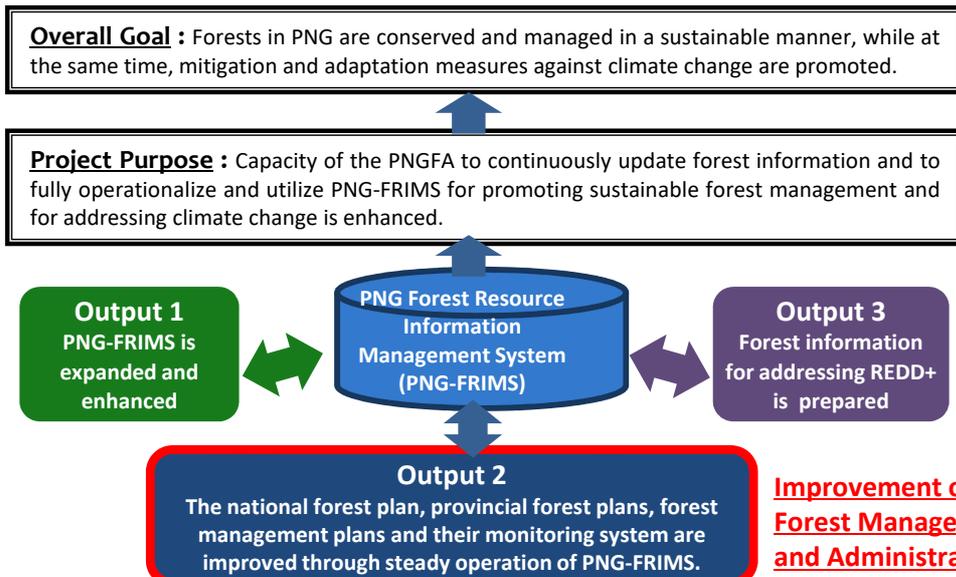
The forest of Papua New Guinea (PNG) contains some of the largest areas of tropical rainforest in the Pacific region. The tropical rainforest plays important roles in many aspects, contributing to the national economy through timber exports, rich biodiversity and mitigation of climate change. While alarming rate of loss and degradation of forest have been reported in recent decades, there was no robust forest monitoring system in PNG to detect these loss and degradation. In order to address this challenge, Japan International Cooperation Agency (JICA) and PNG Forest Authority (PNGFA) implemented a capacity development project from March 2011 to March 2014, 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 (Phase 1) : Achieved Outcomes

The project successfully developed a 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. Other outputs of the project include the proposals on some tools for forest monitoring such as radar technology and carbon estimation. The project also contributed in determining the threshold values of the national definition of forest for PNG.

JICA-PNGFA Project 2014 – 2019 (Phase 2) : 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.



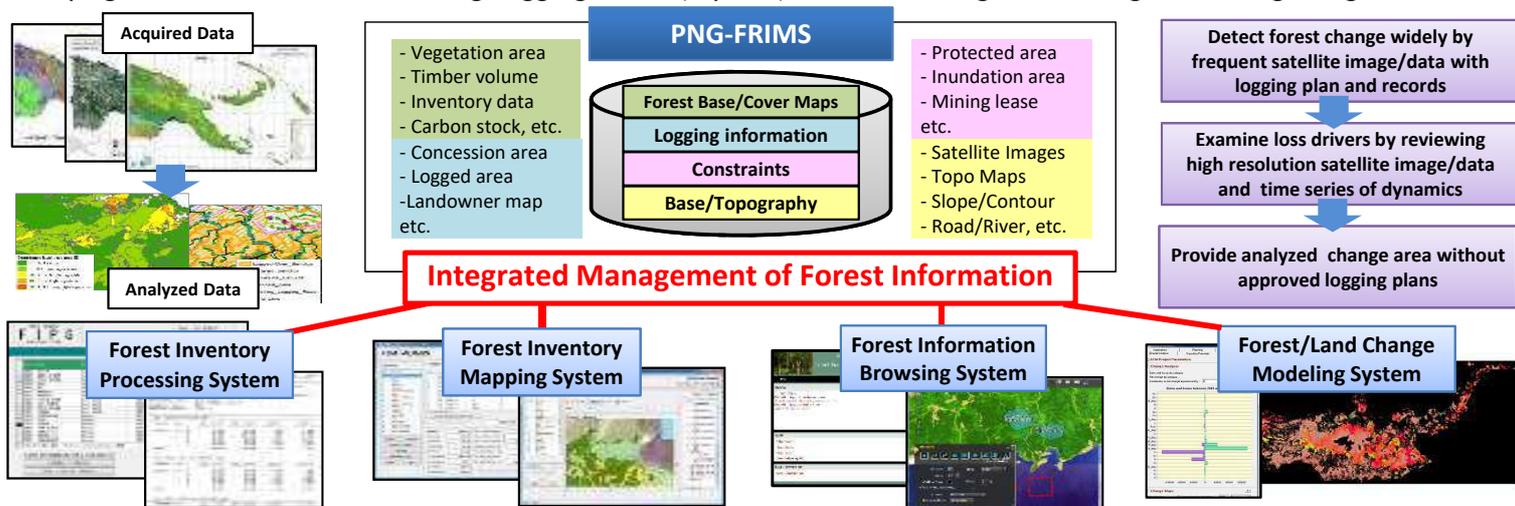
Observed logging impact (high & low) on RapidEye 5m resolution imagery

Expected Outputs and Progress



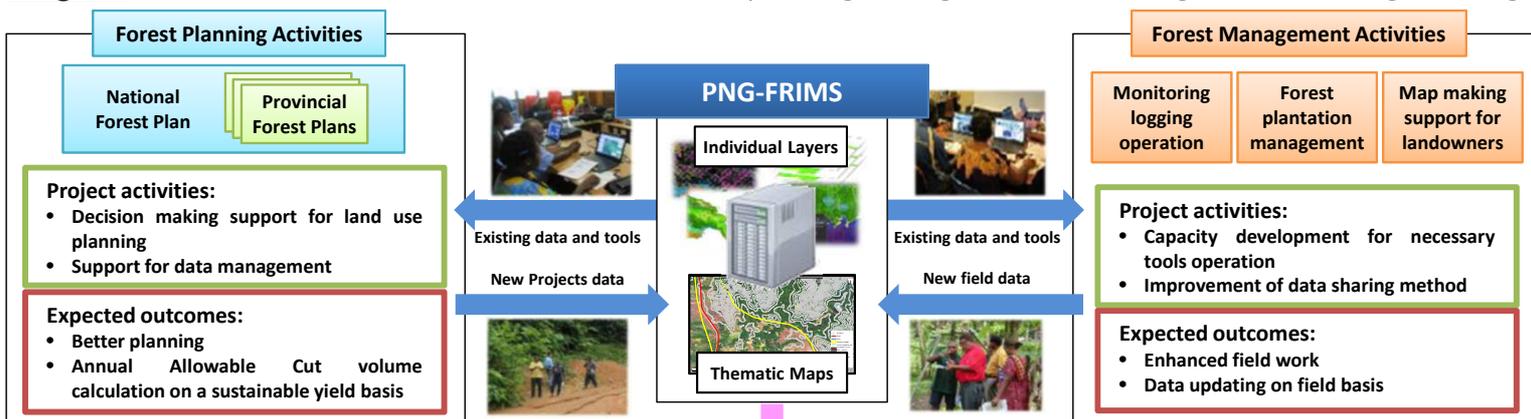
Output 1 Enhanced PNG Forest Resource Information Management System (PNG-FRIMS)

Progress : Enhanced Forest Base Map (national), Progressing Time-series Forest cover Maps & Future Model (2 province), Classifying Forest Disturbance, Creating Logging Roads (5 years), Demonstrating Land Change Modeling using FRIMS



Output 2 Improved National/Provincial Forest Plans, Management Plan/Monitoring System

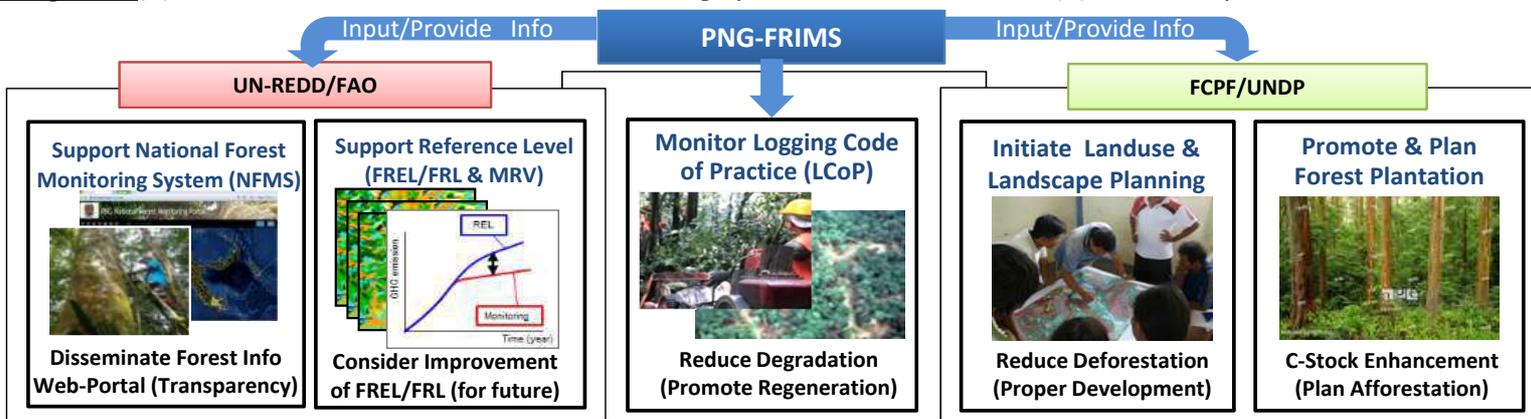
Progress : Considered utilization of PNG-FRIMS for forest planning/management, monitoring activities through trainings



Promoting Sustainable Forest Management (SFM)

Output 3 Prepared/Identified Forest Information for addressing/contributing-to REDD+

Progress: (1) Contributed to National Forest Monitoring System & Reference Level (2) Identified potential area for REDD+



Exploring Potential Utilization of FRIMS for REDD+

PNG Forest Authority (JICA Project)

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

Email: cbigol@pngfa.gov.pg / dkadowaki@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 Feb. 2018