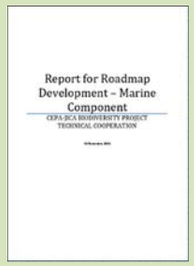
Project Key Achievement

Output 1

- Support for establishing **National Conservation Council (NCC)** and NCC operation
- **Protected Area Bill review notes** to incorporate into the new Bill

Output 2

- **Facility assessment of VNP** with a detailed technical report covering over 200 existing facilities
- **Facility renovation & maintenance of VNP**
  - Installation of **a total of 79 distance piles** along 4 tracks
  - Installation of **signboards with VNP map** and background information
  - Installation of additional signboards
  - Construction of **new Information Center**
- **Monitoring & Management**
  - Installation of **20 camera traps**
  - continued camera trapping (fauna and visitors)
- Conducting **surveys**
  - **Biodiversity** (fauna & flora)
  - **Socio-economic** (household & social mapping)
  - **Soil & topographic**
- Establishment of **MoU for Bird Watching Project** in partnership with PNG Tourism Promotion Authority, Pacific Adventist University (PAU) & Koiari LLG
- **Sustainable livelihood development** in VNP & Koiari LLG with **community workshops**
  - Development of at least **2 tour packages**
  - Consultation of at least **2 tour operators**
- **Development Planning**
  - Review of Koiari LLG 5 Year Development Plan and Central Province 5 Year Development Plan



Output 3

- Development of **"Road Map for new Marine Protected Area (MPA) Establishment at Bootless Bay & Motupore"**
- **Stakeholder consultation** for proposed MPA establishment and protection of Bootless Bay & surrounding marine ecosystems
- Establishment of **MoU for the Bootless Bay protection** and **mangrove protection project** with University of PNG (UPNG), Central Province Conference (CPC) and CEPA
- Purchase of **a boat (23 ft) and engine (40hp)** for implementing marine work
- Conducting **Rapid Marine Biodiversity Survey**
- Establishment of a network **"Bootless Bay Marine Conservation Initiative"**
- Conducting **Coastal cleanup event**

Output 4

- Purchase of **WorldView-2 imagery** (Terrestrial areas: 494km2, Marine / coastral areas: 223km2)
- Development of **GIS database** and preparation of **GIS data and maps** for each output: **a detailed land cover map** of proposed terrestrial areas, **mangroves map** of Bootless Bay, dogura Inlet and Tuna Bay, etc.
- Development of **Public relations strategy** for the Project
- **Public Relation** by creating a variety of project PR tools: Project webpage, facebook page, brochures, newsletters, factsheets, banner, sign boards, posters, polo shirt, logo for VNP, etc.

Conservation and Environment Protection Authority (CEPA)
Japan International Cooperation Agency (JICA)

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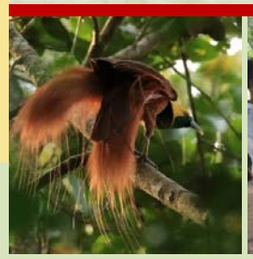
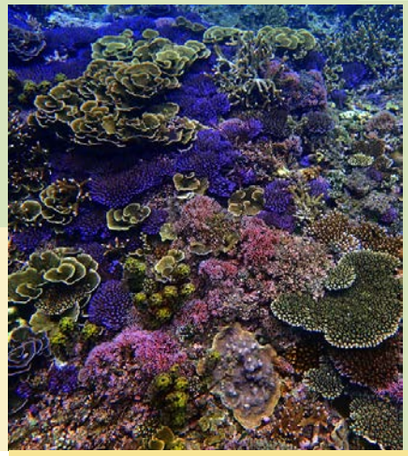
https://www.facebook.com/pngbiodiv/
http://pngcepa.com/projects/

ISSUE: March 2017

Technical Cooperation
CEPA - JICA Biodiversity Project 2015-2020

The Project for Biodiversity Conservation through Implementation of the PNG Policy on Protected Areas





CEPA - JICA
Biodiversity Project

Project Period: Five (5) years commencing from June 2015

Targets: Provincial administration(s), district administration(s) and LLG government(s) surrounding the target Protected Areas

Implementing Agency: Conservation and Environment Protection Authority (CEPA), Japan International Cooperation Agency (JICA)

Target Protected Areas: Terrestrial – Varirata National Park, Marine/Coastal – to be defined

Land Use Map of Project Target Areas

Background

PNG is one of the richest biodiversity countries in the world, while among the total population of 7.3 million in PNG, over 80% of them are in rural areas and still directly dependent on the natural environment with the rich biodiversity for their subsistence and livelihoods.

To address biodiversity conservation, the government of Papua New Guinea and Japan jointly launched a technical cooperation called the Project for Biodiversity Conservation through Implementation of the PNG Policy on Protected Areas. The project commenced in June 2015 and will run for a five (5) year period. The implementing agencies are Conservation and Environment Protection Authority (CEPA) and Japan International Cooperation Agency (JICA).

Project Framework

Project Purpose

Institutional capacity of CEPA for protected area (PA) management is strengthened through enhancing national-level PA governance and sustainable use of natural resources with local communities in the model PA(s) as per the provision of the Policy on Protected Areas (PPA).

Overall Goal

Protected Area Network is effectively managed by applying PA management (and establishment) model(s), which were developed by the Project.

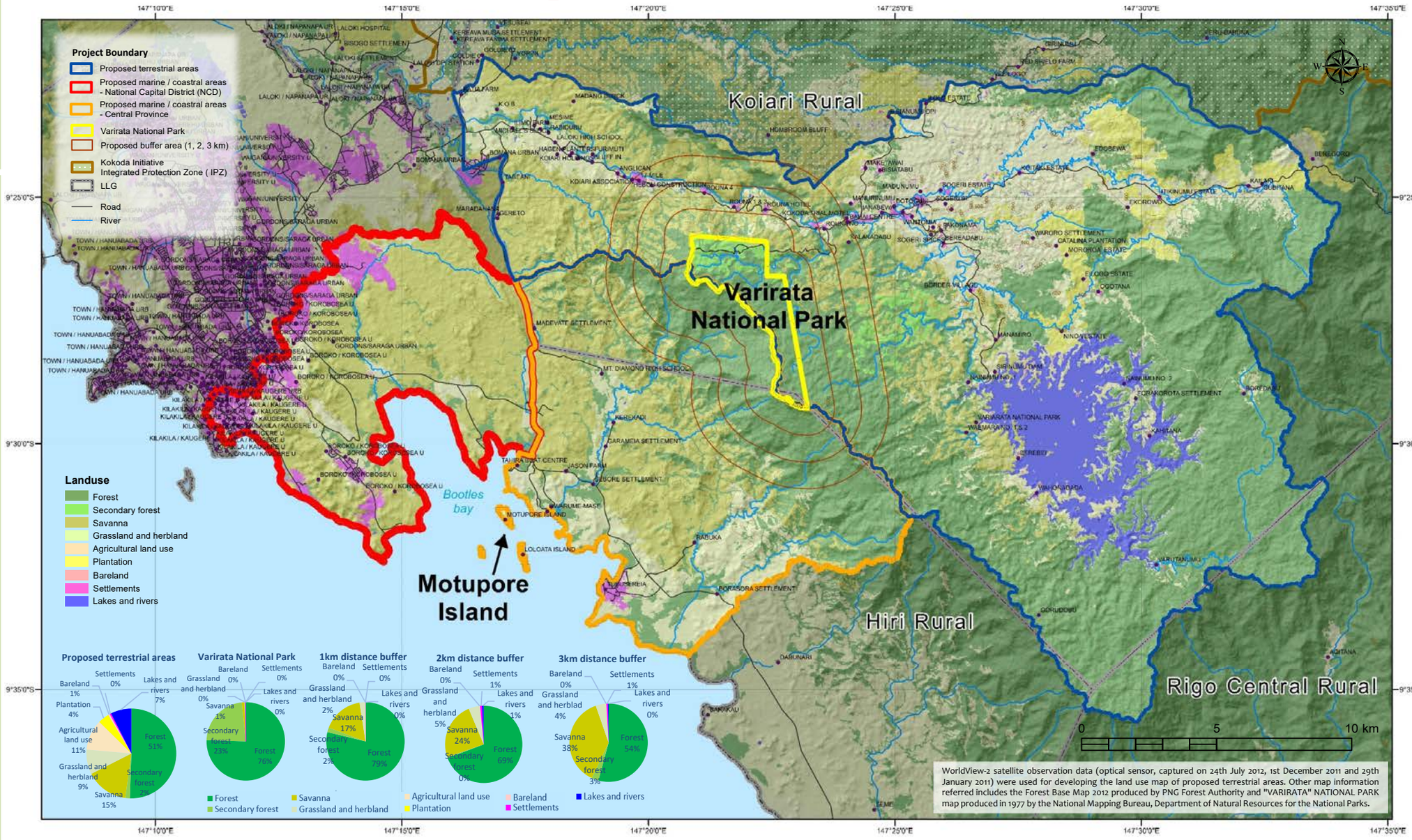
Outputs

1. National-level governance and management arrangement for Protected Area Network (i.e., PPA Action Plan, National Conservation Council (NCC)) is strengthened.
2. The Varirata National Park (VNP) is enhanced as a terrestrial PA management model in accordance with PPA.
3. A model of establishing a new marine PA is developed as per the provision of PPA and concerned laws.
4. Public relations/awareness for biodiversity conservation is improved by disseminating project related information.

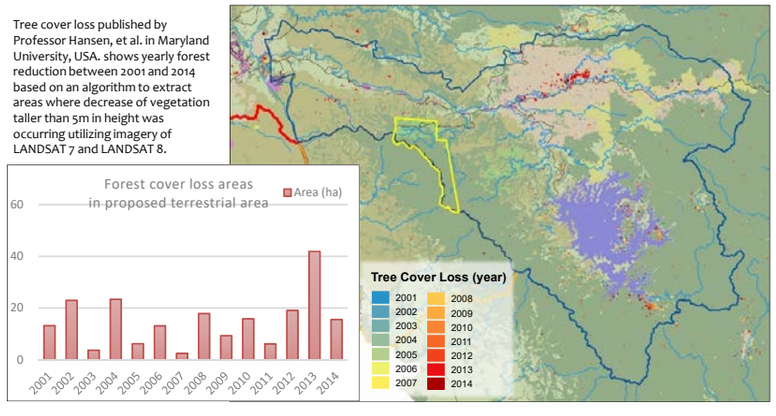
The project design can be interpreted to have three distinctive tasks; 1) enhancement of administrative function of national government for PA network (Output 1), 2) enhancement of PA management and establishment functions of both national and local governments (Output 2 & 3) and 3) enhancement of information dissemination and public relation function of national government (Output 4). While Output 2 & 3 are core components to the project purpose, Output 1 & 4 are supporting components of the Output 2 & 3.

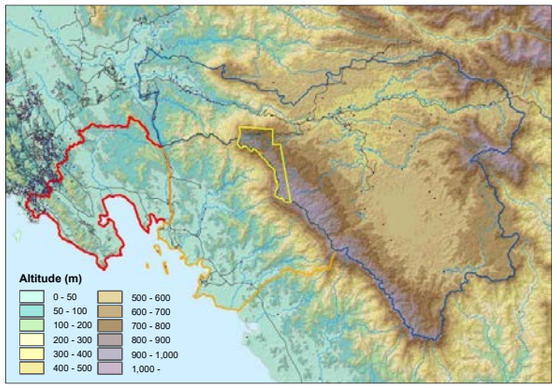
Target Areas

Proposed project target area covers approximately 612 km^2, which can be divided into two major types; terrestrial areas (396 km^2) and marine/coastal areas (216 km^2), as indicated below. The target PA for the Output 2 is the Varirata NP to develop a terrestrial PA management model, and Koiari Rural LLG is the target LLG for livelihood related activities. Besides, the Output 3 targets Bootless Bay and its coast for the establishment of a new marine/coastal PA model.



Tree cover loss published by Professor Hansen, et al. in Maryland University, USA. shows yearly forest reduction between 2001 and 2014 based on an algorithm to extract areas where decrease of vegetation taller than 5m in height was occurring utilizing imagery of LANDSAT 7 and LANDSAT 8.





ASTER GDEM data were utilized for creating an altitude map.

SRTM DEM data were utilized for analyzing slope.