

Technical Cooperation CEPA - JICA Biodiversity Project 2015-2020

Annual Report 2018

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.

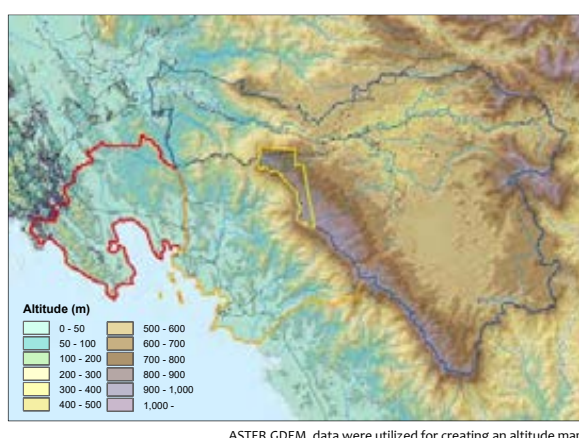
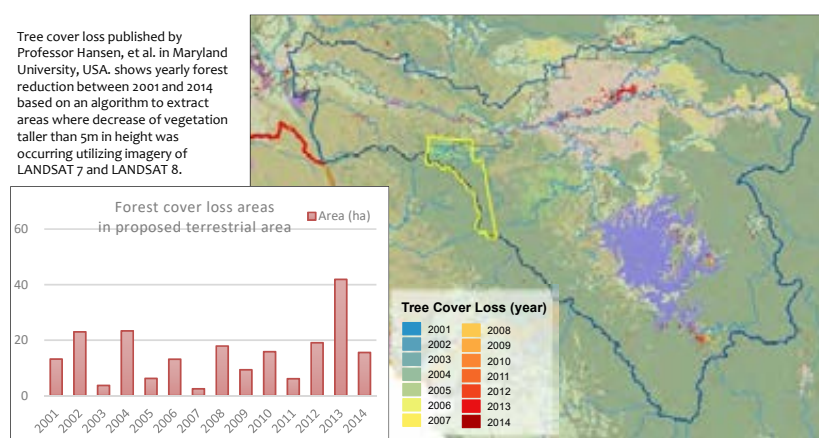
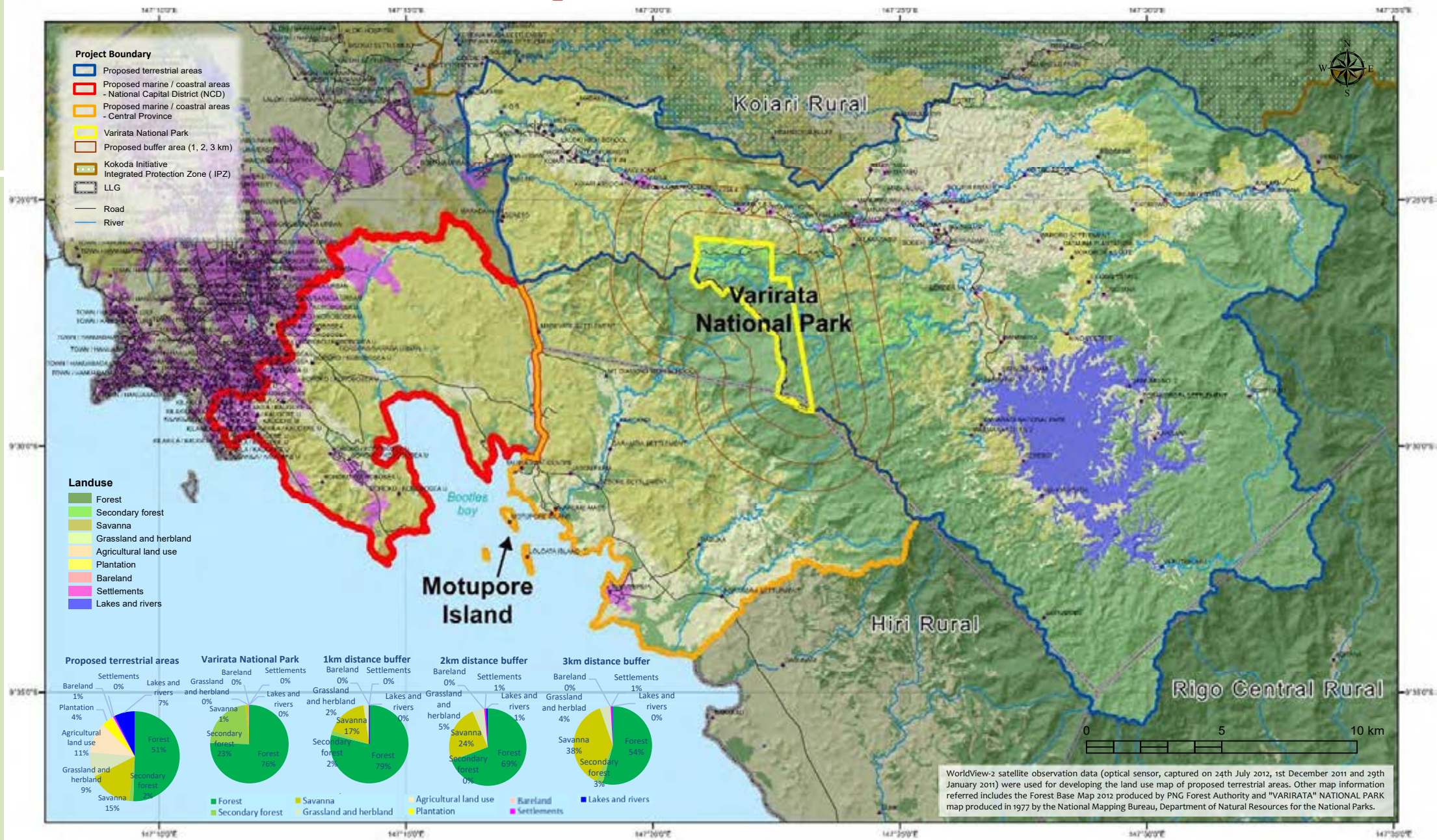
Outputs

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 km², which can be divided into two major types; terrestrial areas (396 km²) and marine/coastal areas (216 km²), as indicated below. The target PA for the Output 2 is the VNP 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.



ASTER GDEM data were utilized for creating an altitude map.

SRTM DEM data were utilized for analyzing slope.

Output 1 Strengthen National Level Protected Area Governance !!!

Strengthening **national-level governance and management arrangement** for Protected Area Network



For strengthening PA governance and management, we work for

- **National Conservation Council (NCC)** to be legally clarified and actually installed.
- Related bodies such as **National Protected Area Round Table (NPART)**, **Regional Protected Area Round Table (RPART)** to be legally clarified.
- **Initiative of Central Provincial Government** to be supported for establishing provincial protected area in Bootless Bay.

Achievements by December 2018

- Extensively reviewed existing legal framework, identified approach, and clarified the process for establishing NCC, NPART and RPART.
- Supported **Protected Area Bill and its Regulations** for NCC, NPART and RPART.
- Drafted various legal instruments including **bylaws of NCC, NPART and RPART**.

Targets for 2019-2020

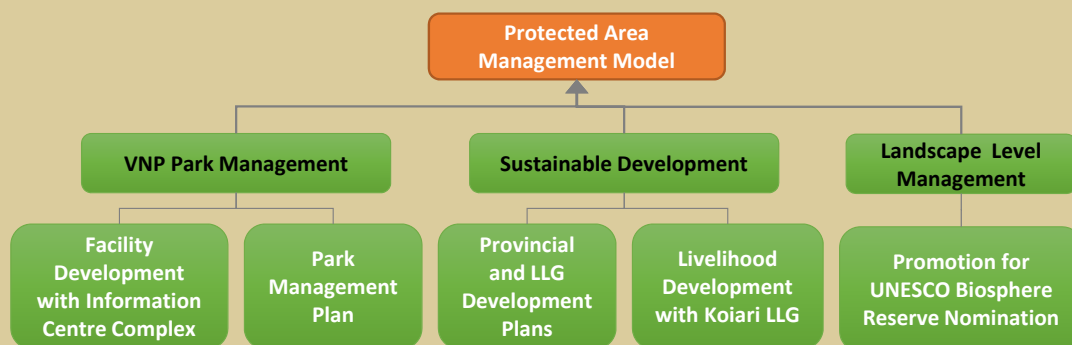
After the Protected Area Bill will become a Law,

- Nominate and appoint council members, and provide support for operating the NCC.
- Collaborate with Central Provincial Government for PA establishment.
- Promote concept of MAB program as a mean of landscape-level management.



Output 2 Varirata National Park as the State's Management Model !!!

The Varirata National Park (VNP) has been enhanced as a **Terrestrial Protected Area Management Model**.



For contributing to public reputation/appreciation of VNP, we work for

- **Various park facilities** to be restored and developed.
- **Park management plans** to be developed and to be used.
- **Biodiversity conservation of VNP landscape** to be integrated into the **local governments' development plans**.
- **Livelihood development options** to be developed with Koiari communities.



Achievements by December 2018

Developed and improved the Information Center (IC) and surrounding area as new IC Complex in September 2018

- Constructed new **Information Center**.
- Renovated old information center as **Kumul Auditorium**.
- Wood deck was installed as **Kibung Squire**.

Developed and installed exhibition as an icon of national Environmental Education

- Interior design for new information center was completed!

Committed CEPA for sustainable management and JICA for continuous support

- Memorandum of understanding (MOU) for the handover of IC complex was exchanged between CEPA and JICA.

Park Management Plan for Progress Stage of Park Management

- Table of Contents (ToC) was prepared in line with concept of biosphere reserve of UNESCO and requirement of its Nomination Form.
- Prepared draft **Park Management Plan** for further development.

Key activities as per the management plan

- Recruited new **park staff** and provided training.
- Prepared **bookkeeping manual** and conducted training.
- Records by **13 camera traps** are ongoing since 2016.



VNP stamps



Development Planning of local governments surrounding VNP

- Finalized **Koiari LLG development plan** and submitted to Hiri District.
- Made final report of achievement for **Koiari LLG and Central province development planning**.

A series of Livelihood Development Activities

- **Livelihood development plan** was finalized and used for their self-sustaining endeavor.
- **Community-based group** provided their **performance** at the total of two events in 2018 (total of five times).



KAE Association Inc. was Finally Born!!!

- Landowning clans (livelihood development groups) were organized to be registered as an association at **Investment Promotion Authority (IPA)** for business activity.
- KAE Association received **IPA registration certificate** (No.5-106235) on 12 March 2019, and **IRC (Internal Revenue Commission) TIN (Tax Identification No.)** on 21 March 2019.
- Various other activities are ongoing to make KAE Association sustainable (bank account opening, accounting training, study/exposure tour etc.)



Targets for 2019-2020

Continuous Park Management improvement

- Information Center Complex utilization(ICC)
- Financial management
- Security management
- Exotic species control
- Camera trap



Livelihood development with KAE Association Inc.

- Performance and service of social groups to be improved.
- Conduct hands-on trainings and a study/exposure tour.
- KAE to be developed as a partner for the park management.
- Sub-groups to be formed for park management by means of effective management.

Output 3 New Marine Protected Area to be created !!!

A model of establishing a new Marine Protected Area (MPA) as per the provision of PPA and concerned laws



For a model of MPA establishment, we work for

- **Deed for MPA** to be declared.
- **Regional Protected Area Round Table** to be established.
- **MPA Management Plan** to be prepared.



Achievements by December 2018

MPA establishment

- A **roadmap** for the establishment of a new MPA in PNG was prepared.
- **Rapid marine biodiverse survey** was carried out.
- **Five target site** have been selected for MPA establishment.
- One **memorandum of understanding with University of Papua New Guinea** was signed.

Officialization of MPA

- **Bootless Bay Marine Conservation Initiative (BBMCI)** was established as regional protected area round table.
- **Nineteen stakeholders** have been participated in BBMCI.
- **The road map** was approved by BBMCI.
- **Two workshops and four meetings** have been carried out under BBMCI.
- **Coastal clean-up event** was carried out under BBMCI.





Provincial Initiative as center for Regional Protected Area in PNG

- Various discussions and meets to the Governor of Central Province and his staff.
- **Survey** conducted on the provincial land to have MPA.
- **MoU and work plan** (CPG-CEPA) is about to be finalized.

Other Key Achievements

- Proposal for Establishment of a PA
- Marine Biodiversity Survey
- Training in Japan on MPA
- Public awareness
- Kayaks for mangrove monitoring



Targets for 2019-2020

MPA establishment

- MoUs with land owners
- Legal instruments for MPA



Officialization of MPA

- MPA proposal preparation
- Support by provincial government and local level government
- Series of meetings and workshops under BBMCI
- BBMCI to be RPART/PPART

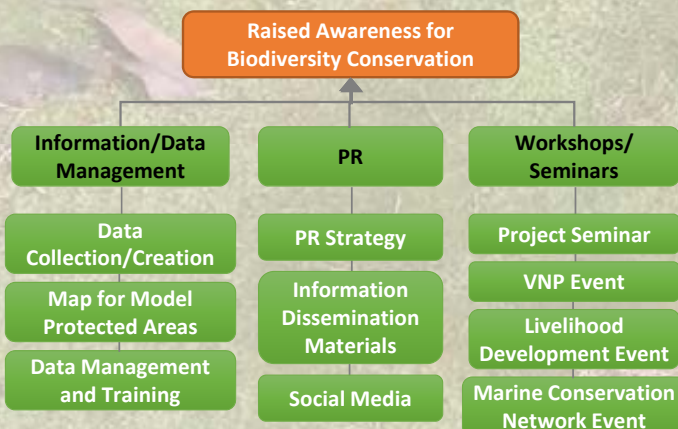


MPA management

- Boardwalk and observation tower
- MPA management plan including zoning
- Environmental education and awareness activities
- Monitoring MPA based on the management plan

Output 4 Raising Awareness for Biodiversity Conservation and Data Management !!!

Public Relations (PR)/awareness for biodiversity conservation by disseminating project related information



For raising awareness for biodiversity conservation and the Project activities, we work for

- **Data and information for model Protected Areas (PA)** to be collected and managed .
- **Strategy for PR/awareness** to be developed, and **information dissemination materials** to be elaborated and disseminated through appropriate media as per the PR strategy.
- **Workshops/seminars** to be conducted for better PR/awareness.

Achievements by December 2018

Information/Data Management for Model PA

- **WorldView-2 imagery** (Terrestrial areas: 494km², Marine / coastal areas: 223km²) was purchased.
- **GIS database** has been developed, and also **data and maps for each output** have been prepared.
 - ✓ **facility maps** of VNP,
 - ✓ detailed **land cover/use map** of proposed terrestrial areas,
 - ✓ **mangroves map** of Bootless Bay, Dogura Inlet and Tuna Bay including Joyce Bay in the NCD and Central Province,
 - ✓ **reef map** of targeted MPA,
 - ✓ **management zone map**, etc.
- **Manuals for updating VNP facility database** and others has been created.



PR of the Project Activities for biodiversity Conservation

- A **Public relations/awareness strategy and Action Plan** for the Project has been developed at the beginning, and reviewed and revised in the middle of the Project.
- A variety of **project PR tools** have been created as per the Public Relations strategy.
 - ✓ Project webpage (8 posts), facebook page (243 posts),
 - ✓ brochures (volume 1-5 and Marine ver.: 2,600 copies),
 - ✓ news letters (volume 1-7: 4,100 copies), factsheet (volume 1-2: 800 copies), Project Atlas (100 copies),
 - ✓ sign boards (21), banners (13), posters (34),
 - ✓ Guide map of VNP (5,500 copies), Field Guide brochures for VNP (1,000 copies), Biodiversity report book (110 copies),
 - ✓ polo shirts (69), T-shirts (200), stickers (2,062 copies), vest (60),
 - ✓ logos for VNP and BBMCI, stamps of VNP, etc.
- Project activities were disseminated through **media**.
 - ✓ more than 13 news articles appearances in newspaper,
 - ✓ promotion of the Project in the World Wildlife Day event,
 - ✓ running of a booth and made a presentation at the World Oceans Conference in UN HQ, in New York,
 - ✓ major sponsorship of the World Environment Day event at VNP, etc.



Workshops/Seminars for Better PR/Awareness

- **Seminars/workshops** has been held more than 19 times.

Targets for 2019-2020

- Data and maps for each output will be prepared such as Marine sanctuary map, Bird Watching map, and other maps related to biodiversity conservation and mangrove protection.
- Technical transfer for managing GIS database including VNP facility data will be implemented.
- Public relations strategy for the Project will be reviewed with the view to evaluate outcomes and efficiency.
- A variety of project PR tools will be created continuously, including Bird watching guide book, Guide book for mangrove, VNP promotion video.
- Seminar/workshop will be held.



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<https://www.facebook.com/pngbiodiv2/>

<http://pngcepa.com/projects/>

