







Research and Conservation Foundation



Village Development Trust Integrated Initiatives for eco-forestry and sustainable development

RAPPAM

Papua New Guinea













Outline

Why RAPPAM in PNG?
Goals and Approach
Adapting RAPPAM to PNG
PAs in PNG













Why RAPPAM in PNG?













Why RAPPAM?

There are major problems with the PNG protected area system

- Existing types of PAs are not working
- Logging and mining concessions are being declared over the top of protected areas
- There is no clear agreement on how to establish or manage PAs
- New PAs gazettals are taking far too long
- There is little public awareness of the value of PAs
- No resources are allocated to PAs













Government policy

The DEC strategic plan sets out four goals in relation to protected areas ...

- 1. rehabilitation of existing areas
- 2. development of an expanded system of conservation areas
- 3. the strengthening of planning, management and evaluation capabilities of groups involved in conservation and management; and
- 4. communication / advocacy which fosters support for the conservation area system.













Last year PNG committed to the CBD target that...

by 2010 terrestrially and 2012 in the marine area a global network of comprehensive, representative and effectively managed national and regional protected area systems is established













Previous Work

- 1992 WWF DEC Conservation Area Strengthening Project
- 1993 Register of PNG Protected Areas
- 1999 IUCN review of management effectiveness of forest protected areas





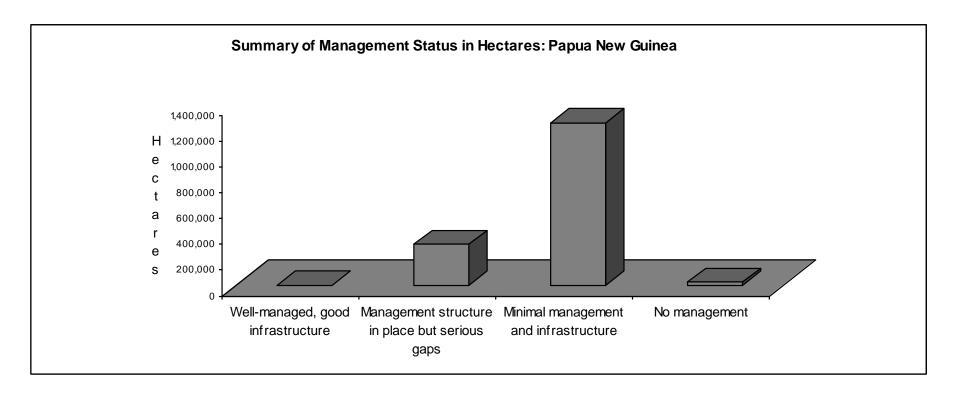








An IUCN/WWF review in 1999 showed that 89% of PNG's protected areas have minimal or no management structure ...















RAPPAM Goals

to improve the management effectiveness of PNG protected areas and the protected area system

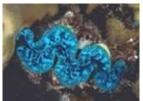












Objectives

Individual PAs

- 1. understand whether individual PAs are achieving their conservation goals and are supported by landholding communities
- 2. identify threats and pressures to individual PAs and across the system
- 3. consider how effectively PAs contribute to the **livelihoods** and aspirations of communities
- 4. make recommendations for improving on-ground management in PAs

PA System

- review the strengths and weaknesses of government and NGO support to PAs
- 2. understand which approaches and tools are effective in helping communities to manage their natural resources
- 3. explore mechanisms to reduce conflict between PAs and other land uses
- 4. examine how best to apply the resources and skills of government and non-government agencies to strengthen the PA system
- 5. recommend steps to improve PA policy and practice













Results

- Conclusions on strengths and weaknesses of PA management in PNG
- Analysis of main pressures and threats on the PNG PA system
- 3. Recommendations for further improvements in future (PA management policy, objectives, practices and resource allocation)
- Updated database and PA Register of the status and management of selected PAs in PNG













Scope

- All 51 existing protected areas
- Some proposed protected areas were reviewed
- Terrestrial and marine
- Rural and urban













Adapting RAPPAM to PNG













Adaptation for PNG

PNG presents some unique challenges in applying RAPPAM

- Customary tenure
- Very poor information on many PAs
- Low literacy rate
- Few people have a full picture of any one PA
- Landholders want economic, cultural or spiritual benefits from PAs















Review by working group



RAPPAM Working Group

- WWF Liza Higgins-Zogib, Ruby Yamuna, Nick Mitchell, Paul Chatterton
- DEC Vagi Genorupa, James Sabi, Godu Valai, Arthur Gunabella, Onkie Kimve
- PNG Forest Authority Alimel Bellet
- Research and Conservation Foundation Kepslock Kumilgo
- The Village Development Trust John Sengo (now CM)
- The Nature Conservancy Warren Jano
- Mr John Duguman (PhD student)













Adaptation for PNG

To address these differences, we ...

- 1. Collected primary data
- 2. Added questions relevant for PNG
 - Livelihoods
 - Traditional management systems
 - Community entry
 - Community management
- 3. Conducted simplified questionnaires in the village
- 4. Worked with groups of villagers and local officials
- 5. Used visual (PRA) methods
- 6. Approached it as a learning experience for protected area communities

















RAPPAM visits







PAs in PNG







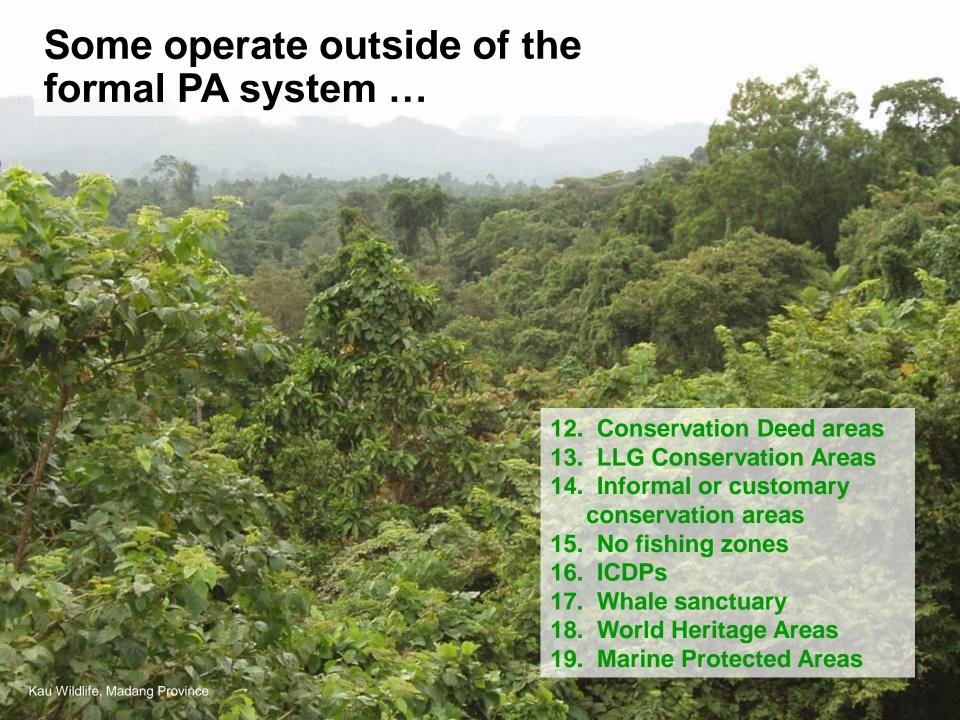






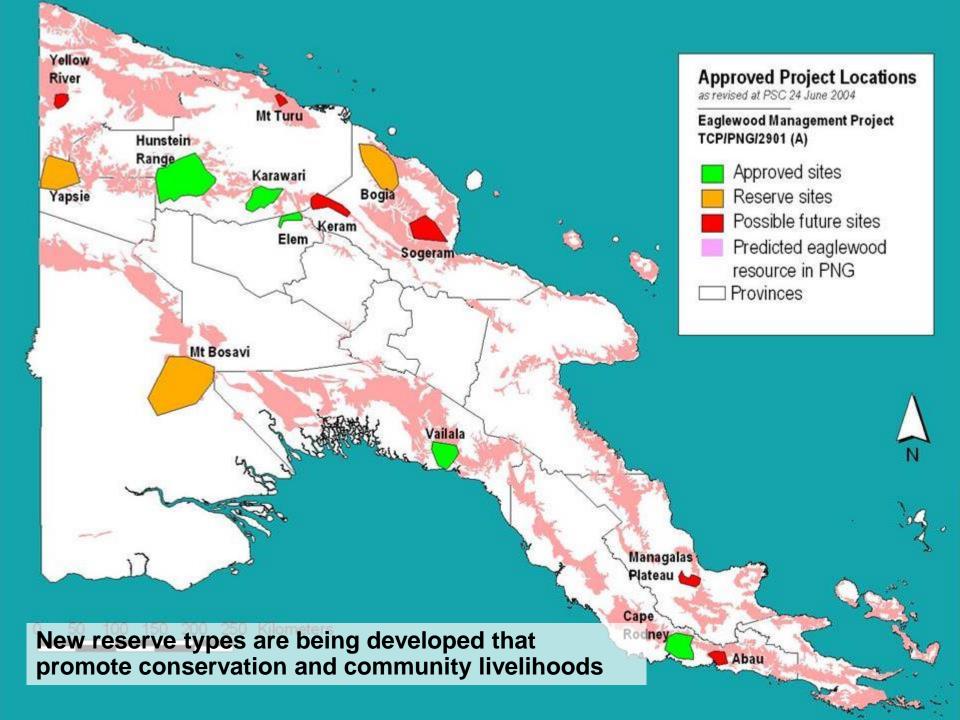
There are at least 19 types of PAs ... many with overlapping purposes

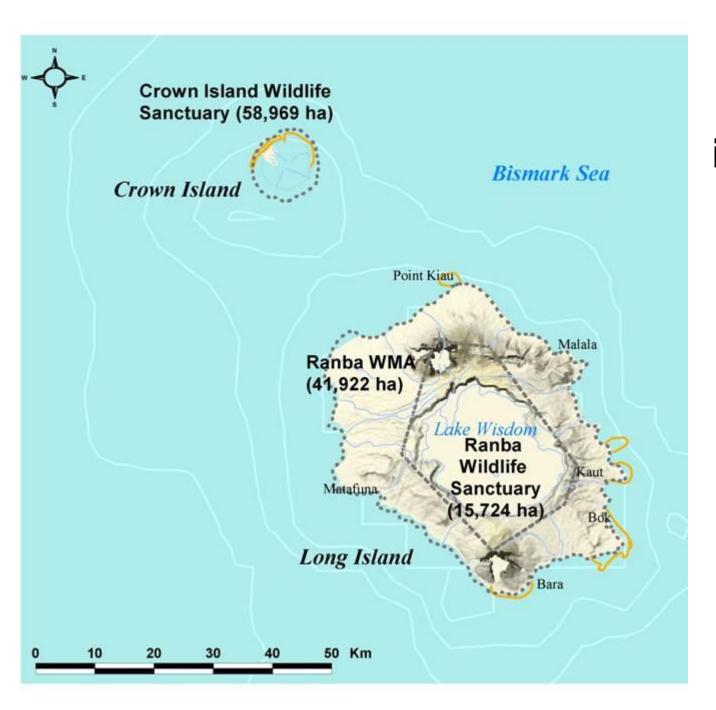




There has been a shift since Independence from the PAs that exclude communities (National Parks, Sanctuaries etc) to PAs that support local communities (WMAs)





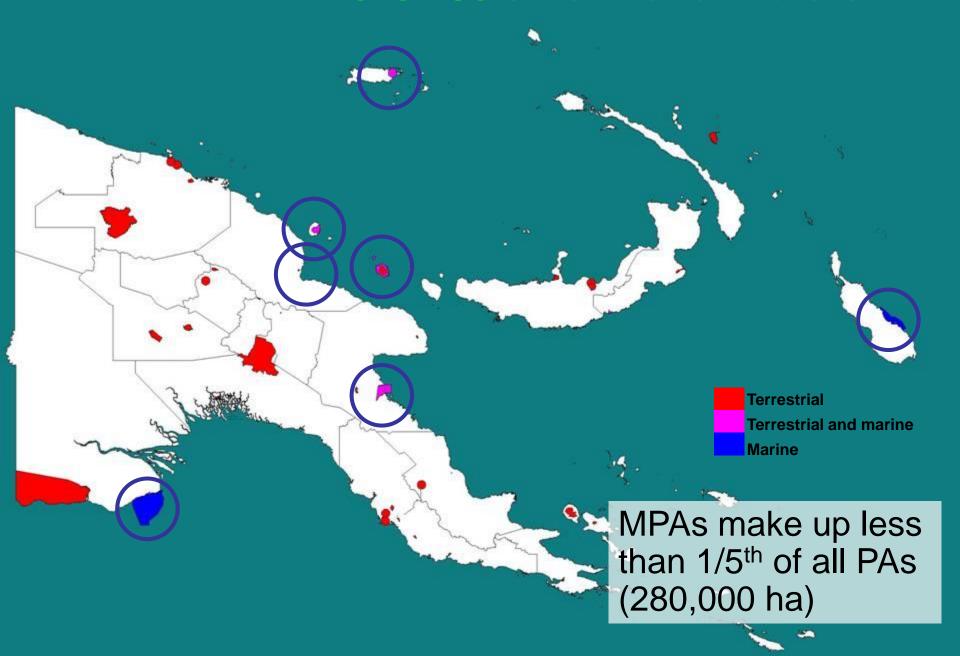


Protected areas information is often inaccurate or absent

Formal protected area cover is extremely low 51 PAs protect only 2.7% of PNG's land area



... and less than 0.07% of territorial waters



PNG rates very poorly against other countries









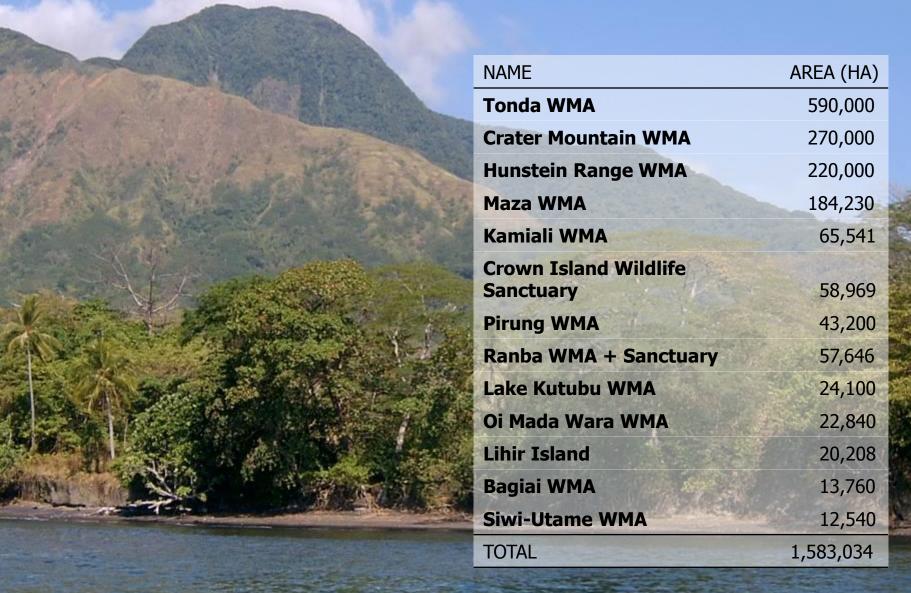


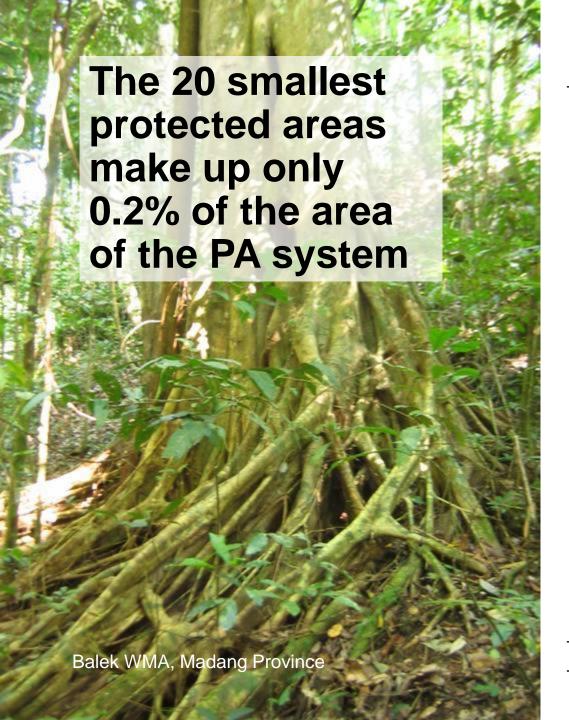


Wildlife Management Areas account for 94% of PAs by area

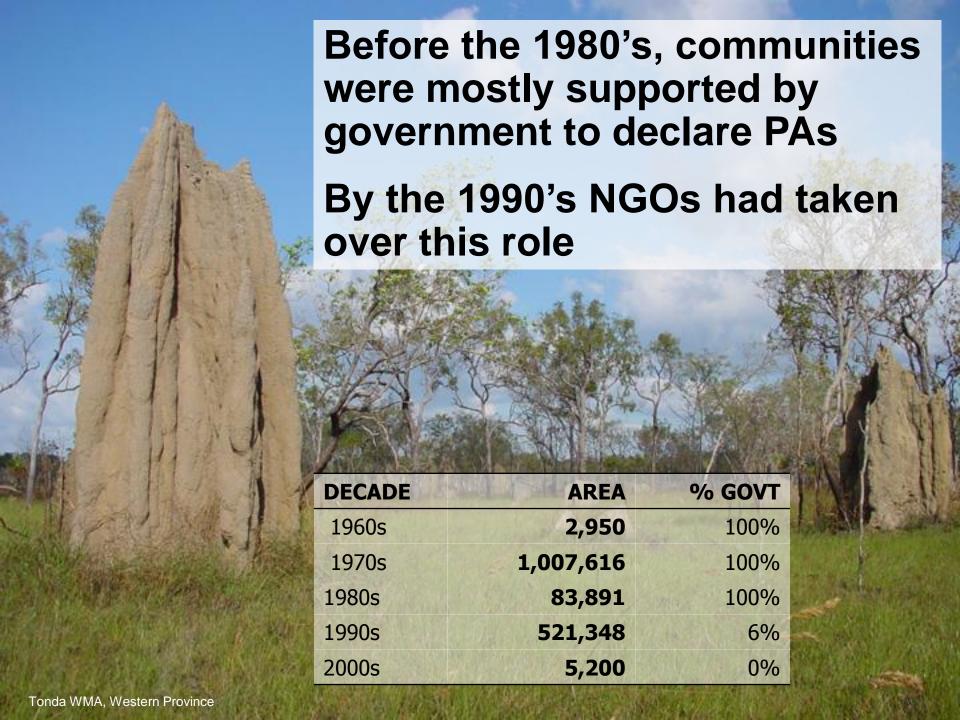
ТҮРЕ	NO	AREA (HA)	%
WILDLIFE MANAGEMENT AREA	26	1,539,119	94%
SANCTUARY	5	75,271	5%
PROTECTED AREA	2	20,245	1%
NATIONAL PARK	7	7,959	0.5%
PROVINCIAL PARK	2	177	0.01%
RESERVE	3	49	0.003%
MEMORIAL PARK	3	5	0.0003%
TOTAL	48	1,642,826	100%

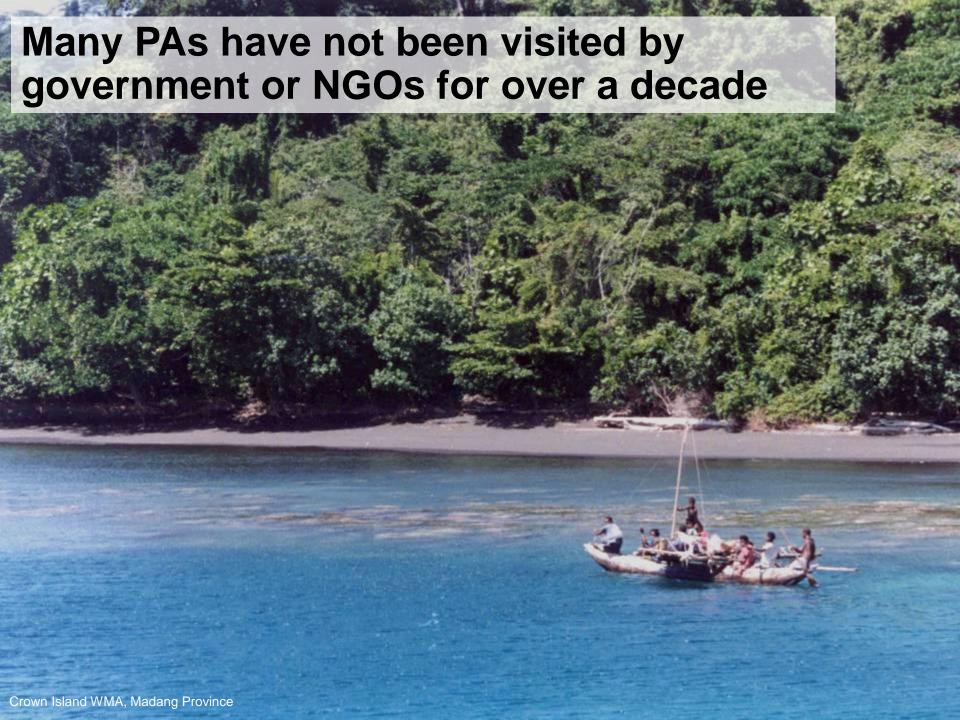
13 PAs over 10,000 ha account for 94% of PNG's PA system area





Protected Area	На
Mt Wilhelm National Reserve	817
Sawataetae WMA	700
Balek Wildlife Santuary	470
Hombareta WMA	130
Loroko National Park	100
Mt Gahavisuka Pro. Park	77
Baiyer River Santuary	64
Mt Susu National Park	49
Moitaka Wildlife Santuary	44
Baniara Island WMA	37
Namanatabu Reserve	27
Nuraseng WMA	22
Paga Hill Nat. Park Scenic R	17
Nanuk Island Reserve	12
Talele Is. Nat. Park Reserve	12
Kokoda Historical Reserve	10
Cape Wom Memorial Park	2
Wewak Peace Memorial Park	2
Kokoda Memorial Park	1
TOTAL	2,595







A significant effort is underway to declare new PAs ...mostly supported by NGOs



Biological Representation



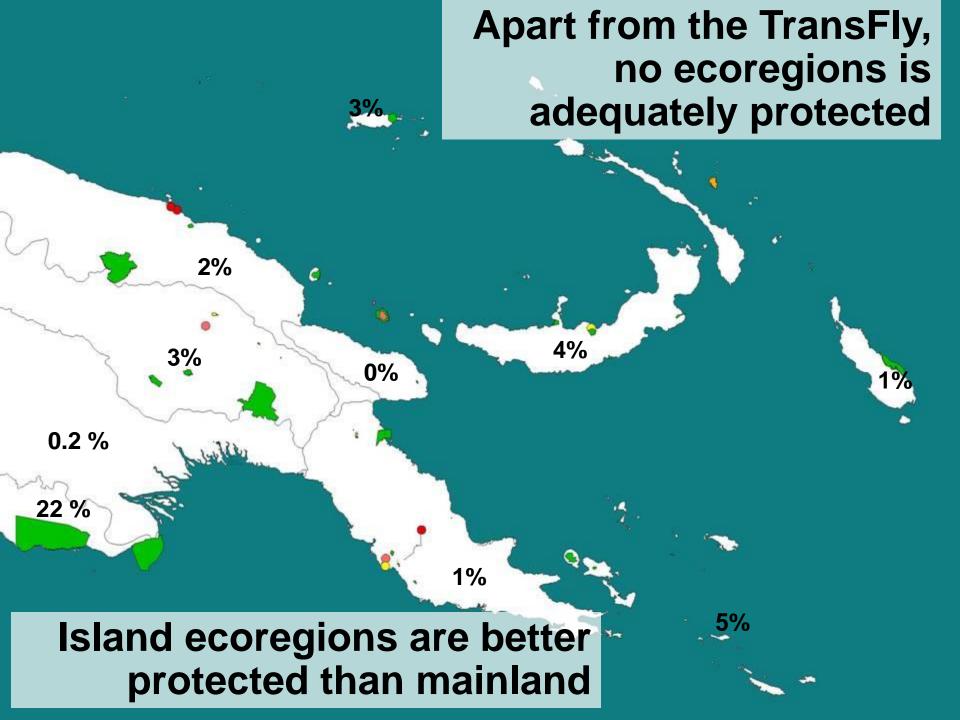




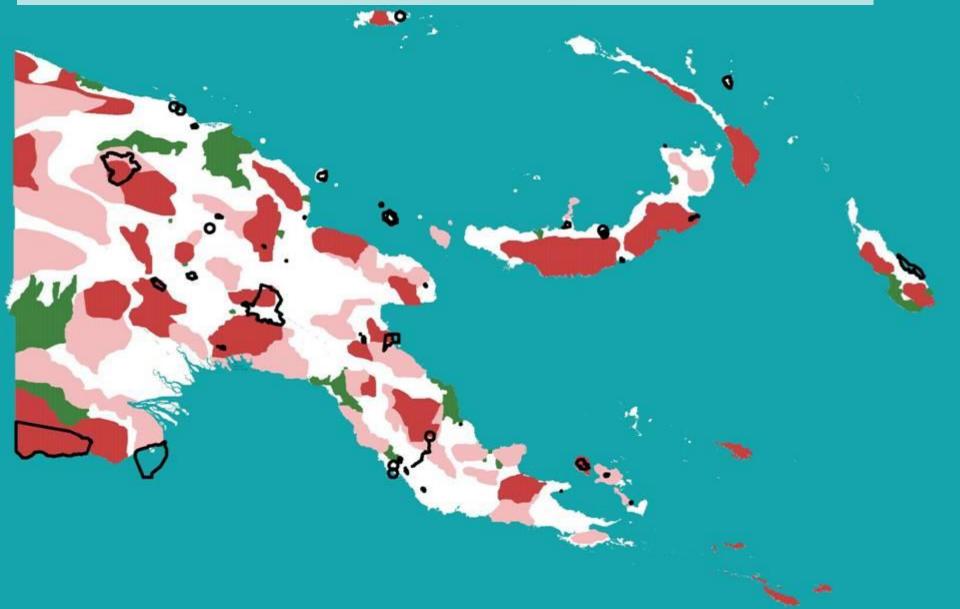








Less than one third of PAs protect habitat in CNA priority biodiversity areas



Pressures and Threats













Top pressures & threats

Top 5 Pressures (current)

- Gardening
- Hunting
- Conversion for agriculture
- Subsistence harvesting
- Commercial overfishing

Top 5 Threats (future)

- Logging
- Invasive species
- Hunting
- Mining
- Conversion for agriculture







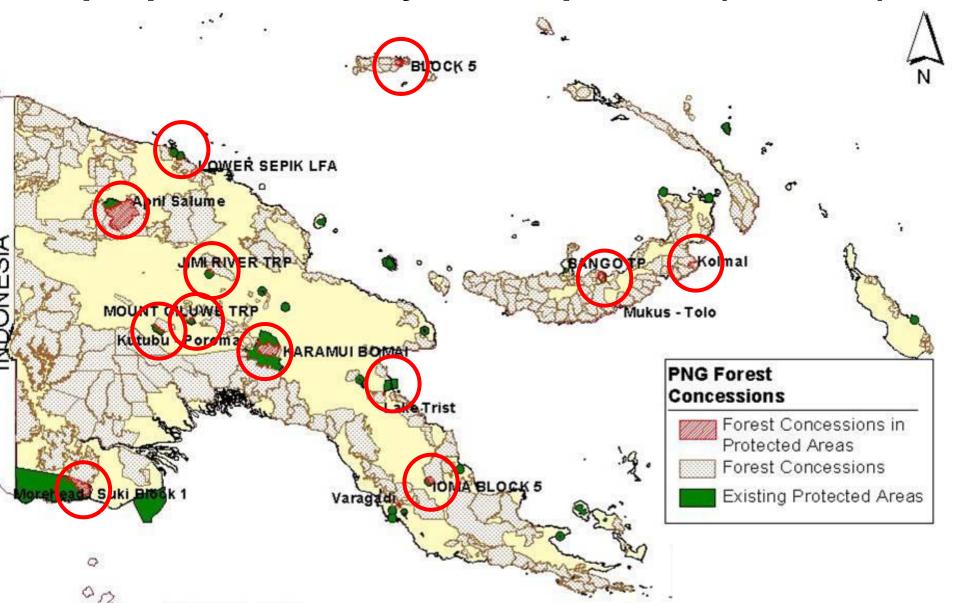




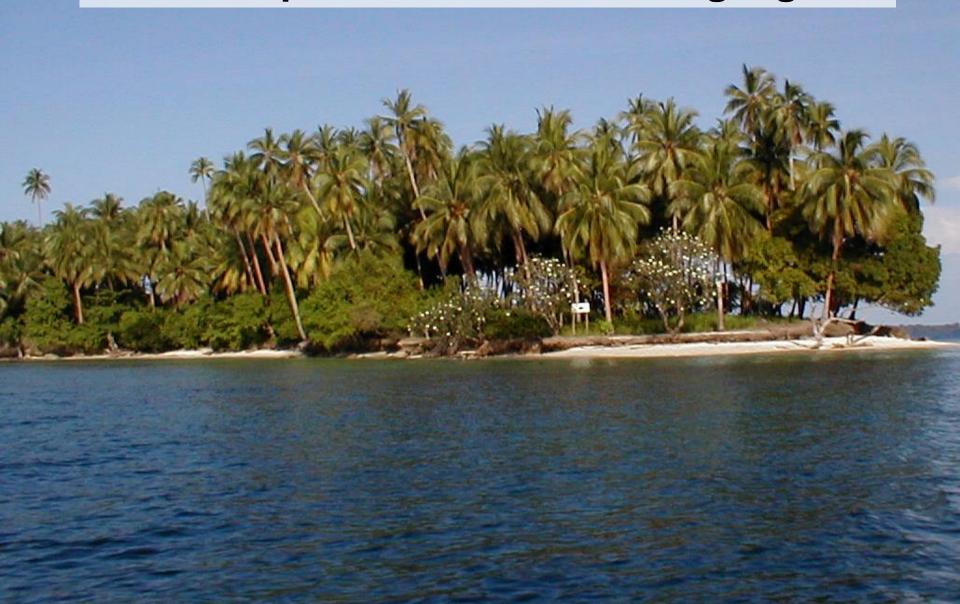




Nearly a quarter of all PAs are threatened by proposed forestry developments (12 of 51)



Almost all of the MPAs threatened by industrial pollution are in Madang lagoon





Pa TRACKING TOOL











