



PAPUA NEW GUINEA'S NATIONAL ADAPTATION PLAN

Sharing experiences on the formulations,
development and implementation of
PNG's NAP

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This document functions as a strategic high-level action plan for adaptation. It builds upon the existing policy and planning landscape, shifting development planning processes towards a pathway of 'climate-resilience'.

The NAP will support the government's intervention and looks to achieving this through:

- 1) Strengthen institutional and technical capacities for iterative development of a National Adaptation Plan (NAP);**
- 2) Effective integration of the national climate change agenda into national and sub-national planning and budgeting processes;**
- 3) Design and sequence activities to promote effective use of Green Climate Facility (GCF) financing by enhancing synergies with existing initiatives and programs in PNG, while avoiding duplication of efforts.**

OBJECTIVES OF THE NAP

The objective of the NAP is to mainstream climate change into regulatory and policy frameworks to address climate change adaptation and to increase climate change adaptation awareness amongst key stakeholders at national and subnational levels.

The objective will be achieved through the implementation of three key outcomes:

- **Outcome 1:** The coordination mechanism for multi-sectoral adaptation planning and implementation at different levels is strengthened
- **Outcome 2:** Climate change risks are integrated into key national and sectoral policies and Provincial Adaptation plans are formulated
- **Outcome 3:** Financing framework for climate change adaptation action for medium-to long-term is established.

ALIGNMENT WITH KEY NATIONAL FRAMEWORKS

- ▶ **Medium Term Development Plan III (MTDP III)- MTDP IV currently under development**
 - **4.8 KRA 7 – Responsible Sustainable Development**
 - **7.2 - Adapt to the Domestic Impacts of Climate Change and Contribute to Global Efforts to Abate Greenhouse Gas Emissions**
- ▶ **Other national documents NAP is aligned with:**
 - Vision 2050
 - STaRS – UN’s 20230 SDG (SDGs 2,3,6,7,13 & 14)
 - Climate Change Management Act (CCMA)
 - Enhanced Nationally Determined Contributions (NDC)



9 PRIORITY AREAS FOR ADAPTATION

- Coastal Flooding & Sea Level Rise
- Inland Flooding
- Food Insecurity
- Cities & Climate Change
- Climate-Induced Migration
- Damage to Coral Reefs
- Malaria and Vector-Borne Diseases
- Water and Sanitation
- Landslides

4 PRIORITY SECTORS

- Department of Works and Highways
- National Department of Health
- Department of Transport
- Department of Agriculture and Livestock



SECTORAL PRIORITY AREAS

▶ CLIMATE-RESILIENT AGRICULTURE

- Scale-up climate smart agriculture best practices & actions in vulnerable regions of PNG.
- Implement climate-resilient water management & conservation strategies/systems
- Develop climate-resilient agriculture value chains & market infrastructure, market information & business support services to enhance food security & the resilience of vulnerable farmers.
- Increase sustainable income-generating opportunities for women and diversify economies to reduce risks of climate impacts & improve access to food for children & families.

▶ CLIMATE-RESILIENT INFRASTRUCTURE

- Develop climate-resilient codes & standards for the construction/rehabilitation of buildings, transport & utility infrastructure.
- Build/rehabilitate urban & coastal infrastructure according to climate-resilient codes & standards for increased resilience of physical assets, communities & livelihoods.
- Improve water and sanitation infrastructure and services to meet demand considering expected climate impacts

SECTORAL PRIORITY AREAS

➤ CLIMATE RESILIENT TRANSPORT

- Develop climate-resilient codes and standards for the construction/rehabilitation of buildings and transport and utility infrastructure
- Build/rehabilitate transport infrastructure according to climate resilient codes and standards

➤ HEALTH SECTOR RESPONSIVE TO CLIMATE-SENSITIVE DISEASES

- Evidence-based planning and decision-making to develop climate change adaptation strategies in the health sector
- Improve environmental health services promoting climate change adaptation and reduction of climate risks.
- Improve the climate resilience of health infrastructure.
- Scale-up measures for the prevention and control of malaria and other climate-sensitive diseases.

Enhanced Nationally Determined Contribution (NDC) Adaptation Targets

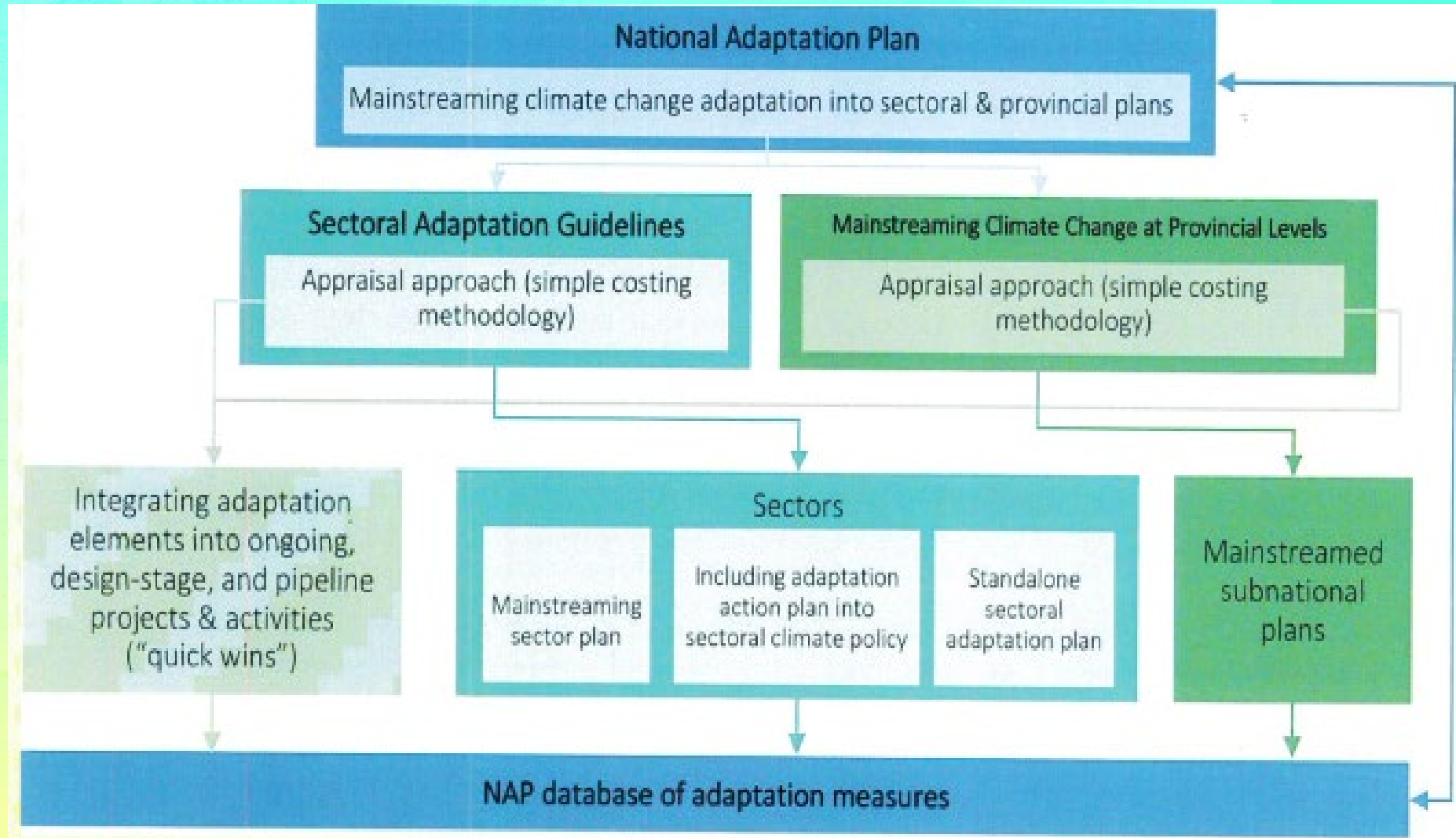
Table 6 Adaptation Targets

Priority Development Sector per the NAP	Adaptation Target 2030
Agriculture	10% of the total population (0.8 million beneficiaries (25% are women)) have increased resilience with respect to food and water security, health and well-being in PNG.
Health	100% of the population benefits from improved health measures to respond to malaria and other climate-sensitive diseases in PNG.
Transport	US\$1.2b (PGK 4.2b) value of transport (air, sea, and land) infrastructure and assets built/rehabilitated according to climate-resilient codes and standards.
Infrastructure	6 million people (70% of the population) benefit from improved early warning systems/information to respond to extreme climate events. US\$172m (PGK 608m) value of building and utility infrastructure assets built/rehabilitated according to climate-resilient codes and standards.

CROSS-CUTTING CLIMATE CHANGE ADAPTATION STRATEGIES

CROSS-CUTTING AREA	CROSS-CUTTING STRATEGIC ACTIONS	LEAD	TARGET AND COORDINATING ENTITIES
MAINSTREAMING ADAPTATION AND RESILIENCE	Strategy Action 1.1: Mainstreaming climate change adaptation into sectoral and provincial plans.	• CCDA	DPLLG, DNPM & CCDA
	Strategy Action 1.2: Strengthen Papua New Guinea's regulatory framework	• CCDA	Office of the State Solicitor, DPLLG & CCDA
	Strategy Action 1.3: Improve financing planning	• CCDA	DoT, DNPM & CCDA
CLIMATE AND ADAPTATION GOVERNANCE	Strategy Action 2.1: Strengthen and operationalize decision-making and coordination arrangements	• CCDA & Dept. of Foreign Affairs	CCDA & DPLLG
INFORMATION, CAPACITY BUILDING AND AWARENESS RAISING	Strategy Action 3.1: Increase institutional and technical capacities for climate change adaptation	• CCDA & Dept. Of Foreign Affairs & Trade	CACC & CCDA
	Strategy Action 3.2: Awareness raising and education at the local level	• CCDA	CCDA, DHERST, DoE, DPLLG, CSOs, NARI, NWS & NDC
	Strategy Action 3.3: Strengthen climate information research and knowledge generation	• CCDA & Dept. of Higher Education, Research Science & Technology	DPLLG, CCDA & NARI
GENDER-RESPONSIVENESS	Strategy Action 4.1: Conduct sector-specific gender gap assessments	• CCDA	DCDYR, DPLLG & CCDA
CLIMATE-RESILIENT TERRESTRIAL, COASTAL & MARINE ECOSYSTEMS	Strategy Action 5.1 Improve the management of coastal and inland fisheries and support the development of sustainable value chains	• NMSA, National Oceans Office & PNG Fisheries Authority	CCDA
	Strategy Action 5.2 Coastal rehabilitation and protection to enhance resilience of coastal communities and ecosystems.	• NMSA, National Oceans Office, CEPA	PNGFA
	Strategy Action 5.3 Protection, restoration and sustainable management of forest resources and biodiversity to reduce vulnerability and enhance natural capital	• PNG FA	CEPA & DAL
	Strategy Action 5.4 Green urban development	• CEPA	DoWH & DLPP
EARLY WARNING SYSTEMS & RESPONSE MEASURES TO CLIMATE-INDUCED EVENTS	Strategy Action 6.1 Improve information for adaptation planning and management of climate risks	• CCDA	NDC & NWS
	Strategy Action 6.2 Enhance adaptation and resilience through Impact-based forecasting and early warning systems.	• NWS	NDC & CCDA
	Strategy Action 6.3 Develop a strategy for relocation/ resettlement/retreat	• NDC	CCDA

IMPLEMENTATION FRAMEWORK



NAP Support arrangements and tools



Challenges, Gaps and Needs

- Limited resources to conduct country-wide vulnerability needs assessment
- Improve capacities of national practitioners on training to use the relevant tools to conduct a vulnerability needs assessment and other relevant assessment tools including Cost Benefit Analysis on Adaptation in PNG
- Improve on institutional arrangements and coordination mechanisms to monitor adaptation actions in PNG
- A need to build capacity of national practitioners on the reporting requirements of the Biennial Transparency Report (especially on the adaptation component)

Opportunities

- Remaining funding of \$1.3m under NAP Readiness to focus on Financing Strategy, MRV focusing on Adaptation
- Formulation of adaptation project proposals under the GCF Country Program in progress
- Link up with existing work programs in country including current FAO through GEF on CBIT support
- Utilize current technical support in country including GGGI, CFAN to address some of the challenges, needs and gaps in terms of implementing NAPs
- Explore the UNEP Initiative for Climate Action Transparency (ICAT) Program

thank
you

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