

## **Current Status of NAMAs in PNG**

For Presentation at “The Asia Pacific Regional Workshop on NAMAs,  
22-25 April 2014, Don Chan Palace Hotel, Vientiane, Lao PDR

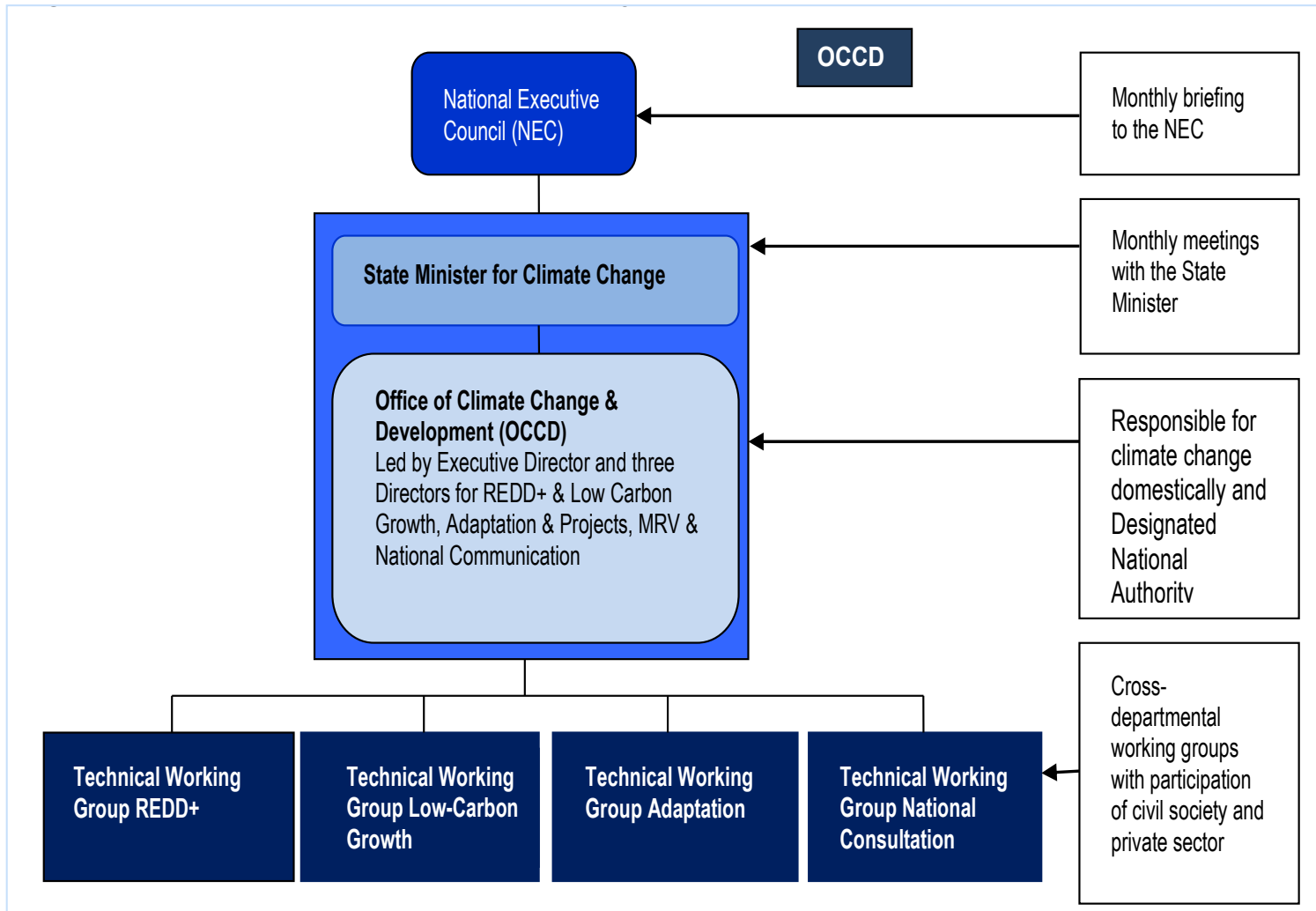
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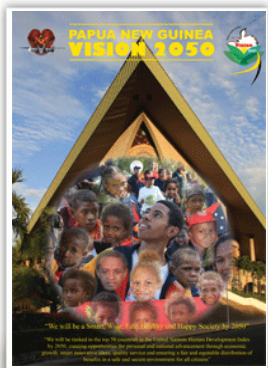
## Agenda

- 1. Institutional Framework for NAMA in PNG.**
- 2. Policy Framework for NAMAs & REDD+ in PNG.**
- 3. Current Status of Mitigation Actions in PNG.**
- 4. Way Forward on NAMAs in PNG.**

# Institutional Framework for NAMA in PNG.



# Policy Frameworks for NAMAs & REDD+ in PNG...



**Vision 2050, Pillar 5: Environmental Sustainability and Climate Change**



**Development Strategic Plan, 2010-2050**



**Medium Term Development Plan, 2011-2015**



**CCDS & IAP**

PNG's climate compatible development strategy (CCDS) has identified the country's mitigation and adaptation priorities, which have been translated into tangible actions in the Interim Action Plan (IAP)



**OCCD Corporate Plan, 2014-2016**



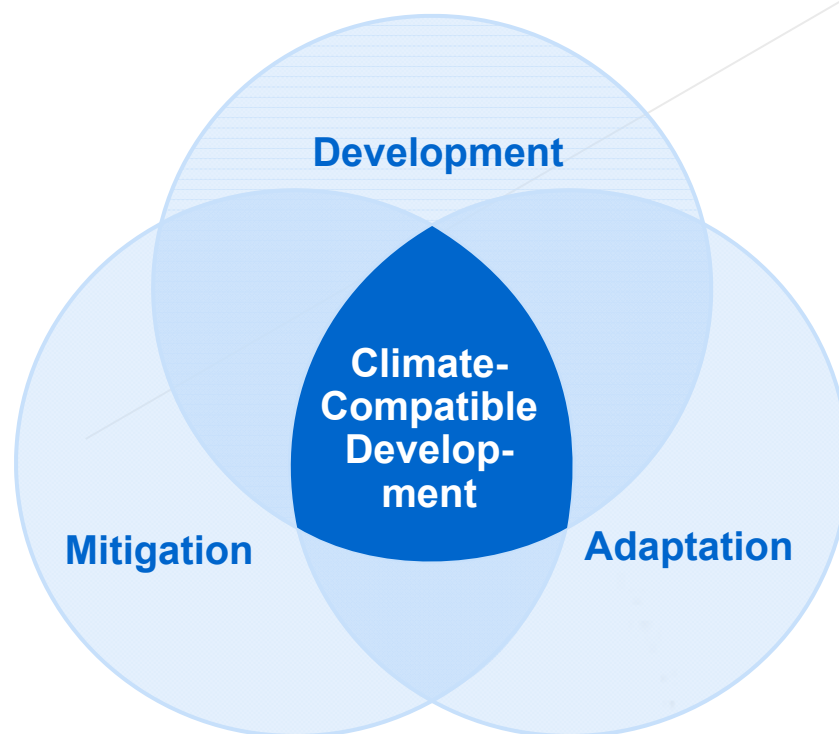
**OCCD Annual Work Plan, 2014**

OCCD: Implementation Plan

**NEC Decision, 54/2010**

# PNG's Climate-Compatible Development Strategy and an Interim Action Plan that describes economic development opportunities in alignment with Pillar 5 Vision 2050...

## Strategic framework



### Economic Development

- Achieve GDP per capita of USD 3,000 by 2030 as set out in our Vision 2050

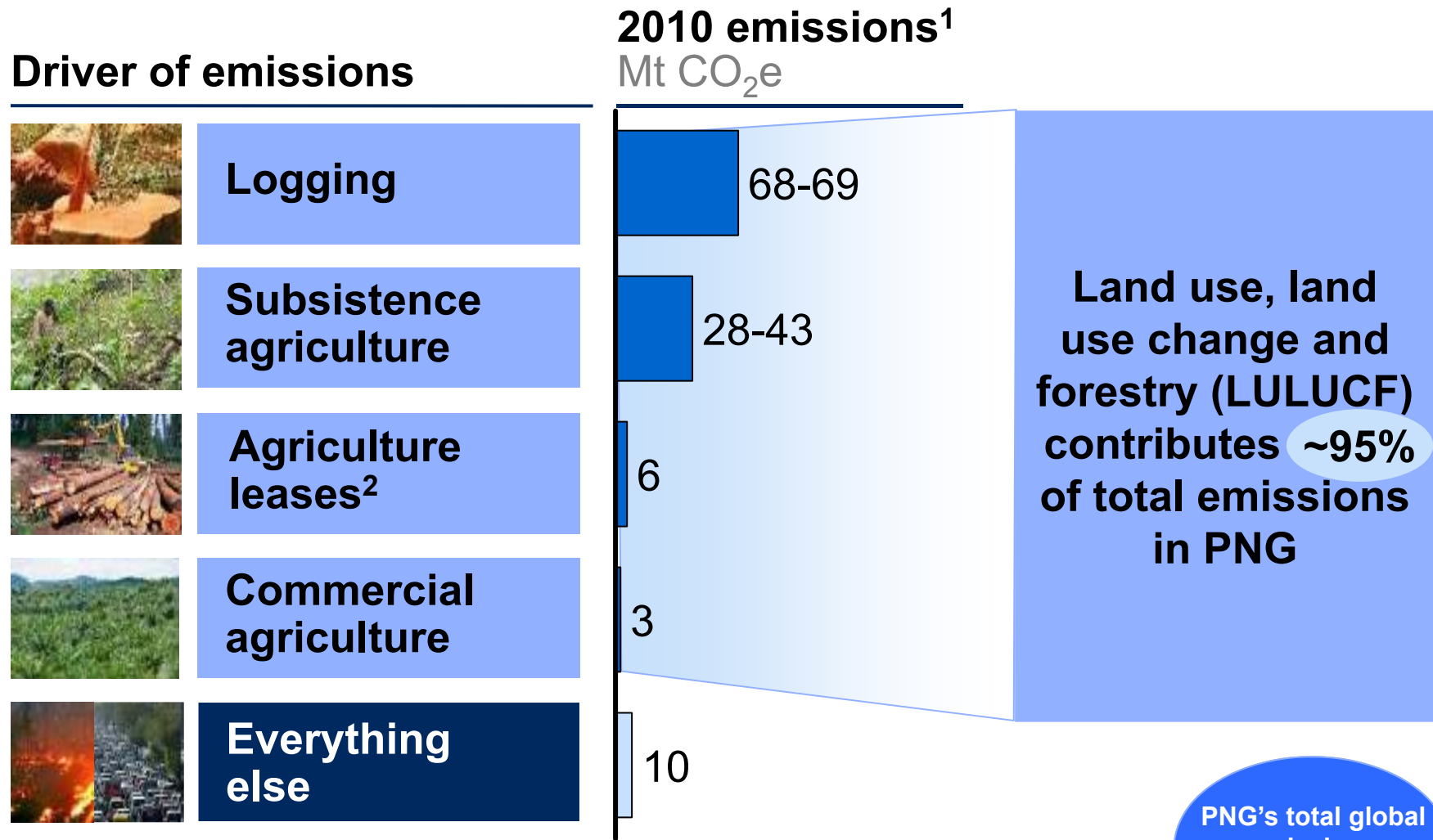
### Mitigation

- Reduce emissions of green-house gases, by at least 50% by 2030 driven mainly by abatement measures in land use, land-use change and forestry.
- Become carbon neutral by 2050 by investing into low-carbon infrastructure.

### Adaptation

- Reduce vulnerability to climate change-associated risks
  - Gradual hazards (e.g., vector-borne disease)
  - Event-driven hazards (e.g., landslides, flooding, etc.)

# Forestry and agriculture is the biggest driver of emissions in PNG



PNG's total global emissions < 1%

More than 50% of PNG's land area is covered by primary rainforest i.e. ~29 million ha (~ size of Italy)

1 Estimate of 2010 extrapolated from 2008/09 data  
2 Exact emission for 2010 still to be verified



# **Current Status of Mitigation Actions in PNG**

## Key Developments in PNG's Mitigation Actions

- Developed PNG Climate-Compatible Development Strategy (CCDS);
- Developed an Interim Action Plan (2010 – 2013) for the CCDS;
- Establish an Office of Climate Change hereafter referred to as OCCD;
- Established PNG Designated National Authority (DNA) Secretariat within the OCCD;
- Develop a REDD+ Readiness Roadmap for PNG;
- Establish Technical Working Groups on REDD+ and Low Carbon Growth;
- Identified and established REDD+ Pilot Activities;
- Establish a Commission of Inquiry to review all existing Special Agricultural Business Leases (SABLs) in the country;
- Explored new opportunities in the use of renewable energy and the efficient use of conventional energy;
- Encourage agencies involved in agriculture, and forestry to develop programmes that address deforestation and forest degradation;
- Work progress on the development of PNG's National Measuring Reporting And Verification (MRV) System;
- Initiate work on PNG's National Forest Inventory (NFI);
- Issued DNA Host Country Approval for 10 proposed Clean Development Mechanism (CDM) Projects;
- Encourage lowering of energy consumption through demand-side management energy efficiency and conservation programmes through its participation in the Asian Development Bank Programme on Promoting Energy Efficiency in the Pacific (Phase 1);
- Participated in the Asian Development Bank Promoting Energy Efficiency in the Pacific (Phase 2).



# REDD+ Readiness Pilot Programs in PNG

## Forestry Sector

- PNGFA - April-Salumei REDD Project, East Sepik Province.
- PNGFA - Central Suau Project – Reduced Impact Logging.
- The Nature Conservancy - Conservation Project in Madang
- WCS Community REDD+ Project in Manus
- FORCERT Project in West New Britain Province
- Cromwell REDD+ Project, Morobe Province

## Agriculture Sector

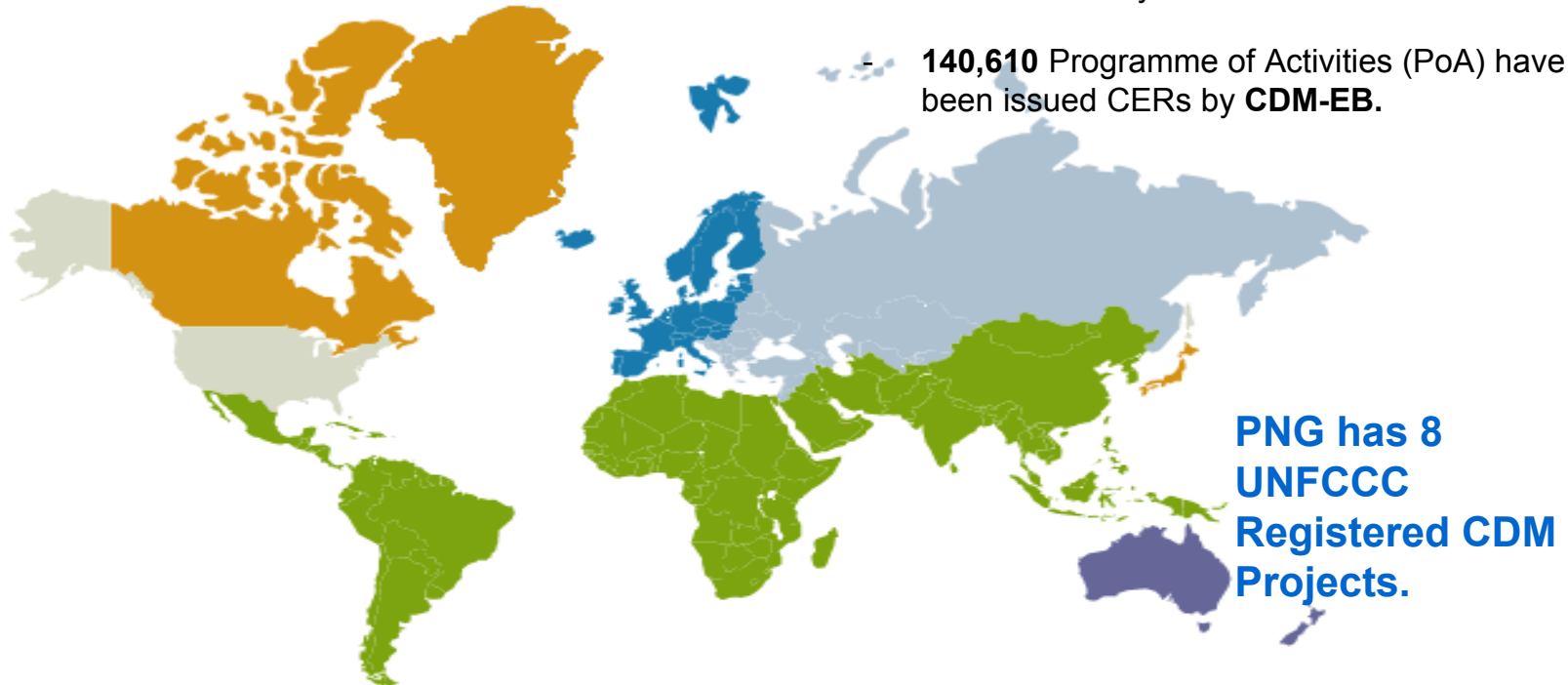
- Global Canopy Program – Transfer of Oil Palm to grassland areas.



## Status of CDM in PNG

PNG is among several Non-Annex 1 Countries that Participates in CDM

- 7, 472 Registered Projects so far by UNFCCC CDM Executive Board (CDM-EB).
- 1,440,694,570 Projects Activities have been issued CERs by the CDM-EB.
- 140,610 Programme of Activities (PoA) have been issued CERs by CDM-EB.



**PNG has 8  
UNFCCC  
Registered CDM  
Projects.**



# New Britain Palm Oil Limited (NBPOL) Methane Capture Project

## Baseline Scenario

## Project Scenario



- **10 MW in West New Britain Province(3.5 MW completed).**
- Mosa (2.859 MW), Kumbango (2.859 MW), Numundo (3.812 MW), Kapiura (2.859 MW), Warastone (2.859 MW)

## Baseline Scenario

Hagita (Milne Bay Province) – 1.914 MW (957 kW x 2 Gensets)



Sangara (Oro Province) – 2.871 MW (957 kW x 3 Gensets)



## Project Scenario



New Britain Palm Oil Limited “Methane Avoidance and Biogas Energy Project”

## Baseline Scenario



## Project Scenario



Pictures taken from the Central Processing Facility, Iagifu, Southern Highlands Province. Oil Search Limited **“Flare and Vent Gas Conservation Project”**.

# PNG Power Limited Divune Hydropower Project in Oro Province

**Baseline Scenario**



**Project Scenario**



**3 MW Hydropower Plant**

What it would be like from the shift from diesel thermal plant to renewable energy



# Rural Electrification (Community Solar Farm Projects in PNG)



## Way Forward for NAMAs in PNG

- To date the focus of PNG's domestic climate change mitigation has been REDD+, so connected to the forests/LULUCF sectors.
- This has been complemented with several CDM initiatives, NBPOL, PPL, OSL, HOPL, etc.
- The national government has recognized the importance of engaging a broader balance of government, business, NGO and community interests in progressing climate change mitigation actions in-country.
- Also, it has recognize the need to develop a NAMA Strategy and to begin a specific NAMA element to its work and devote human capacity and budget resources to this work.
- This could be a new element on its own or sit comfortably under the "Low Carbon Growth" stream of activities as highlighted in the CCDS.
- Consequently, this will link closely with the National Consultation Stream of activities carried out by OCCD. A national stakeholder (inclusive) process could kick-start PNG's NAMA efforts. The aim is to launch an inclusive domestic efforts in developing and presenting ideas for NAMA programmes, including pilot projects.





# Thank you

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