



National REDD+ Awareness Raising Workshop

Grand Papua Hotel
11th September, 2013



Office of Climate Change and Development
Papua New Guinea



National Climate-Compatible Development Strategy



NEC created the path for Climate-Compatible Development Strategy

NEC decision 53/2010

- Abolished the Office of Climate Change and Environmental Sustainability (OCC&ES)

NEC decision 54/2010

- Set up the new Office of Climate Change & Development (OCCD)
- Created the National Climate Change Committee (NCCC) to take full and exclusive responsibility for all policies and actions under Pillar Five of the Vision 2050, concerning Climate Change and Environmental Sustainability

NEC decision 55/2010

- **Endorses Climate-Compatible Development Strategy for Papua New Guinea as the basis for the National Strategy on Climate-Compatible Development**

PNG's Climate-Compatible Development Strategy describes economic development opportunities in alignment with Pillar 5 Vision 2050



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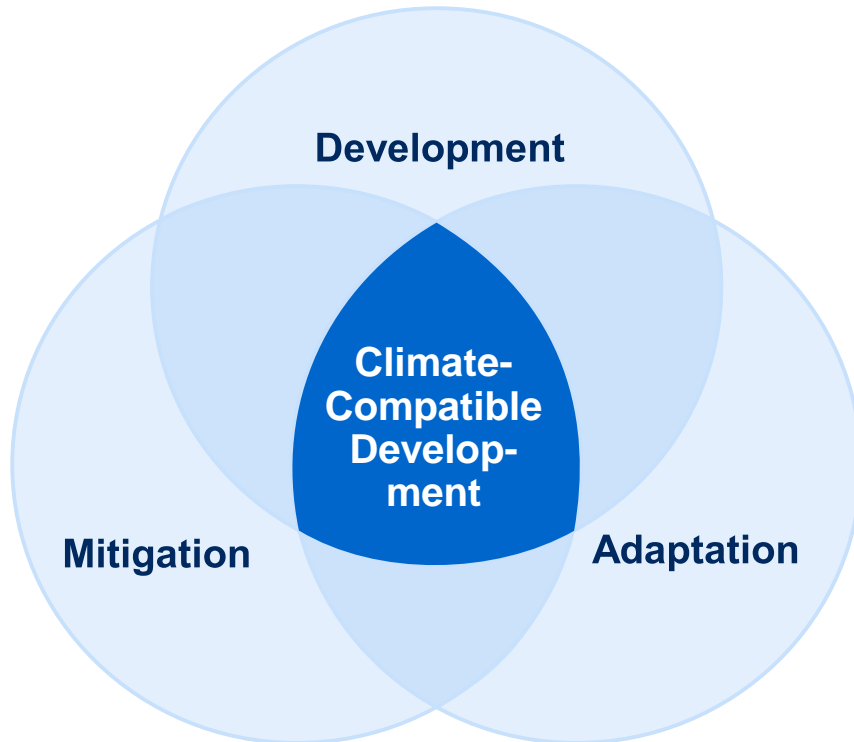
Climate-compatible development for Papua New Guinea

Second Draft – For Stakeholder Comment
Government of Papua New Guinea
March, 2010

- A reference document for PNG strategic framework of economic development, mitigation, and adaptation actions, which includes:
 - Environmentally-sustainable and low-carbon economic growth
 - Opportunities of reducing carbon emissions
 - Adaptation to climate-driven hazards
- CCDS will be improved with inputs from further stakeholder consultation, pilots and MRV learning

PNG's Climate-Compatible Development Strategy combines economic development with mitigation and adaptation

Strategic framework



Economic Development

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

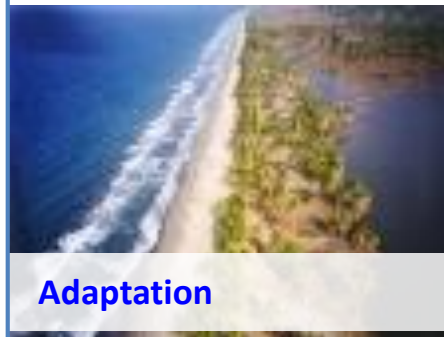
Mitigation

- Potential to reduce emissions of greenhouse 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, investing into low-carbon infrastructure today

Adaptation

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

The Climate-Compatible Development Strategy (CCDS) and Interim Action Plan (IAP) address climate change in a comprehensive way ...



... and outlines tangible mitigation and adaptation actions

Pilots and programs



- Review of agriculture leases
- Locate palm plantation on non-forest land
- Afforestation/reforestation programs
- Secondary forest management
- Reduced impact logging



- Mangrove planting to protect coastal villages
- Coastal early flood warning system
- Coastal engineering
- Inland flood warning

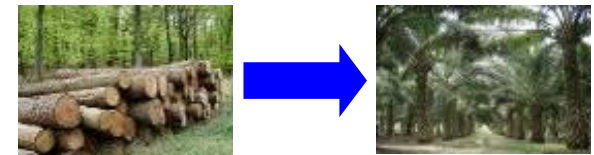


- Renewable energy for Port Moresby, national capital
- Rural electrification via rehabilitation of existing and new micro hydro plants
- Energy efficiency measures

Examples

Review agricultural leases

- Review policy process and legal status of agricultural leases
- Develop sustainable alternative land-use models in order to revoke existing leases



Coastal early warning system

- Automate detection of sea level changes that cause flooding
- Alert affected communities directly via SMS so they have time to avoid danger



Clear mitigation and adaptation priorities have been identified

Pilots and programs



Adaptation

- Mangrove planting to protect coastal villages
- Coastal early flood warning system
- Coastal engineering
- Inland flood warning



REDD+

- Review of agriculture leases
- Locate palm plantation on non-forest land
- Afforestation/reforestation programs
- Secondary forest management
- Reduced impact logging

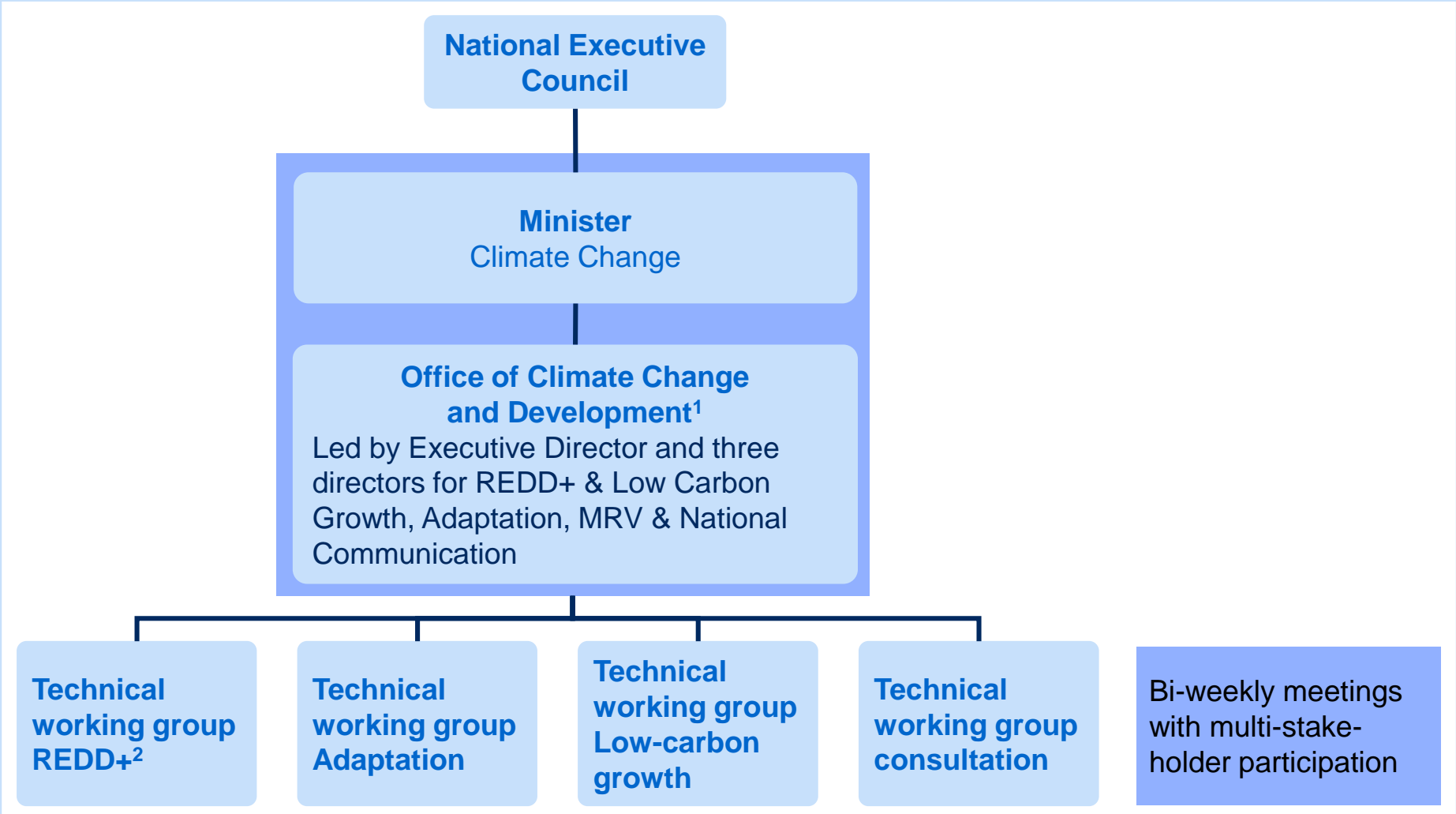


Low-carbon growth

- Renewable energy for Port Moresby
- Rural electrification via rehabilitation of existing and new micro hydro plants
- Energy efficiency measures



Office of Climate Change and Development operates under a strong institutional support and governance structure



1 OCCD Executive Director

2 The Technical working group REDD+ consists also of sub-working groups of MRV, Forestry and Agriculture

SOURCE: Subsequent NEC decisions

... and ensure that the new organisation meets a set of principles to rebuild trust with domestic and international stakeholders

Core principles

- **Authority** Equip the institution with the required authority and power
 - **Coordination** Coordinate activities across the different ministries and stakeholders
 - **Inclusion** Include all stakeholders, for the relevant topics at the right time
 - **Right people** Hire and develop the right set of people with the required intrinsics, skills and knowledge
 - **Integrity** Ensure highest possible integrity of people and processes
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❑ Our mandate is founded upon the principles of the Fourth National Goal of the National Constitution;

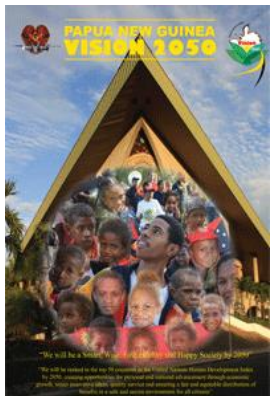
“Papua New Guinea’s natural resources and environment are to be conserved and used for the collective benefit of all and are replenished for the benefit of future generations”

❑ Our mandate is derived from;

NEC Decisions 54/2010, 55/2010, NG 96/2011, NG 137/2012

❑ Our Mission is derived from National Objectives and Priorities;

VISION 2050



**PILLAR 5 :
Environmental
Sustainability and
Climate Change**

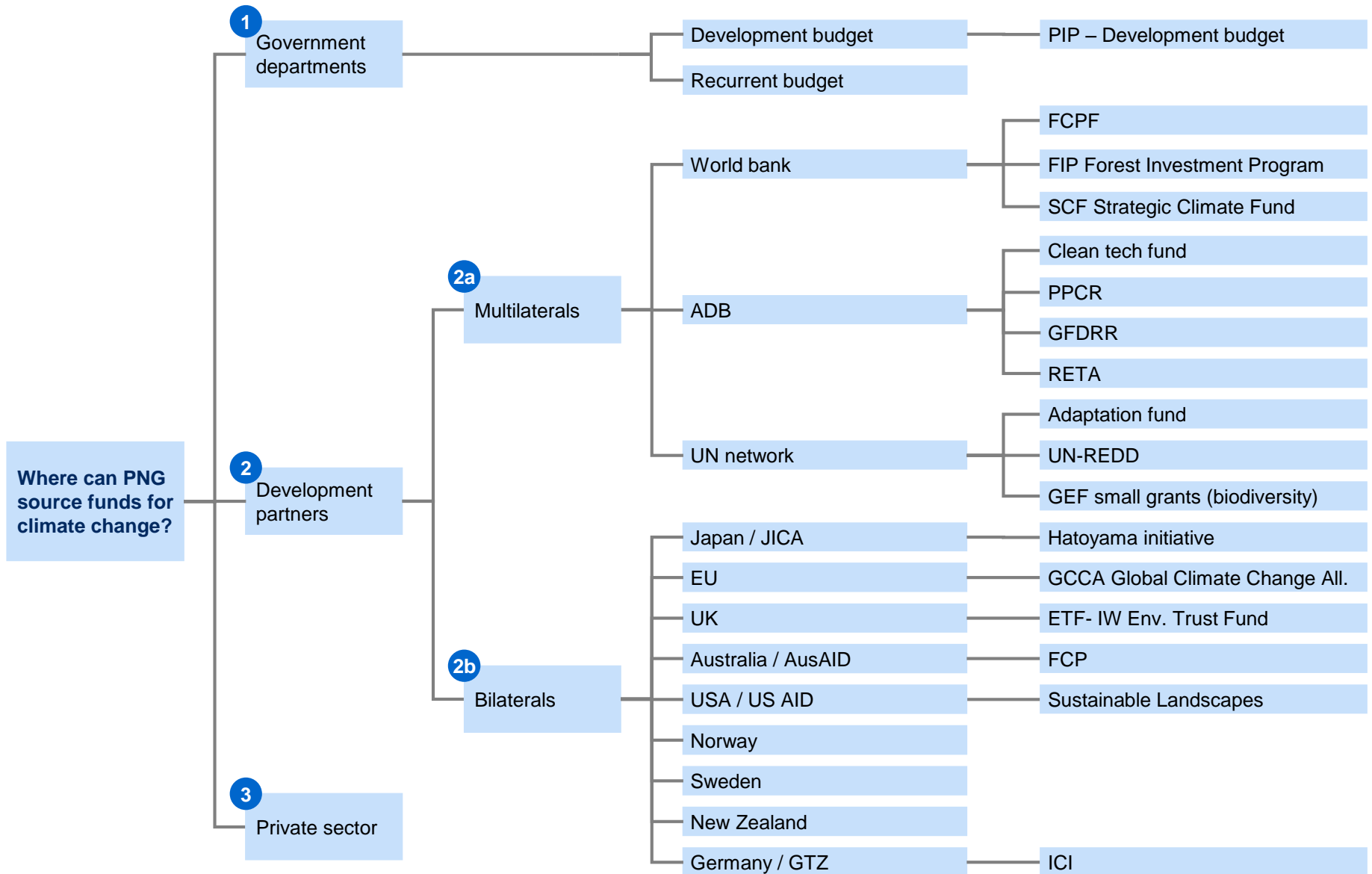
DEVELOPMENT
STRATEGIC
PLAN 2010 - 2050



GOAL: Adapt to the domestic impacts of climate change and contribute to global efforts to abate greenhouse gas emissions

MEDIUM TERM
DEVELOPMENT
PLAN 2011 -
2015

Seeking International and other support for climate change is also a priority



A wide range of activities has been launched to reach and engage the different stakeholder groups

Activity areas	Activities	Objectives	Stakeholder groups
Media management	<ul style="list-style-type: none"> a. E-Newsletter b. OCCD website c. Press releases d. Newspaper articles e. Radio & TV talkback sessions 	<ul style="list-style-type: none"> 1 Proactively and reactively & build, promote and maintain 4 OCCD's reputation and image while educating on the importance of climate change topics 	<ul style="list-style-type: none"> ▪ Local communities ▪ Civil society ▪ General public ▪ Government ▪ International communities
Education & awareness	<ul style="list-style-type: none"> a. Radio drama b. Radio broadcast on national & provincial radio c. National events (e.g., World Environment Day) d. Communication materials (e.g., brochures) e. University student-led awareness f. School engagement <ul style="list-style-type: none"> ▪ NCD schools program ▪ School visits during provincial consultation ▪ School curriculum & material development g. Competitions (e.g., cartoon, debate) 	<ul style="list-style-type: none"> 1 Define and conduct education & awareness campaigns to 2 disseminate information about climate change and opportunities for climate-compatible development 	<ul style="list-style-type: none"> ▪ Civil society ▪ General public ▪ Government
Multi-stakeholder management	<ul style="list-style-type: none"> a. Provincial consultation b. Whole-of-Government workshops c. NGO workshops d. Church group collaboration e. Private sector collaboration f. Technical Working Groups (TWG) g. National Climate Change Committee (NCCC) h. Joint GoPNG-Development Partners Forum for Climate Change i. Ministerial Committee on Climate Change j. International Climate Change Advisory Board 	<ul style="list-style-type: none"> 3 Develop working relationships & with different stakeholders to 4 engage, manage and align for collaboration 	<ul style="list-style-type: none"> ▪ Local communities ▪ Civil society ▪ Private sector ▪ Government ▪ International communities

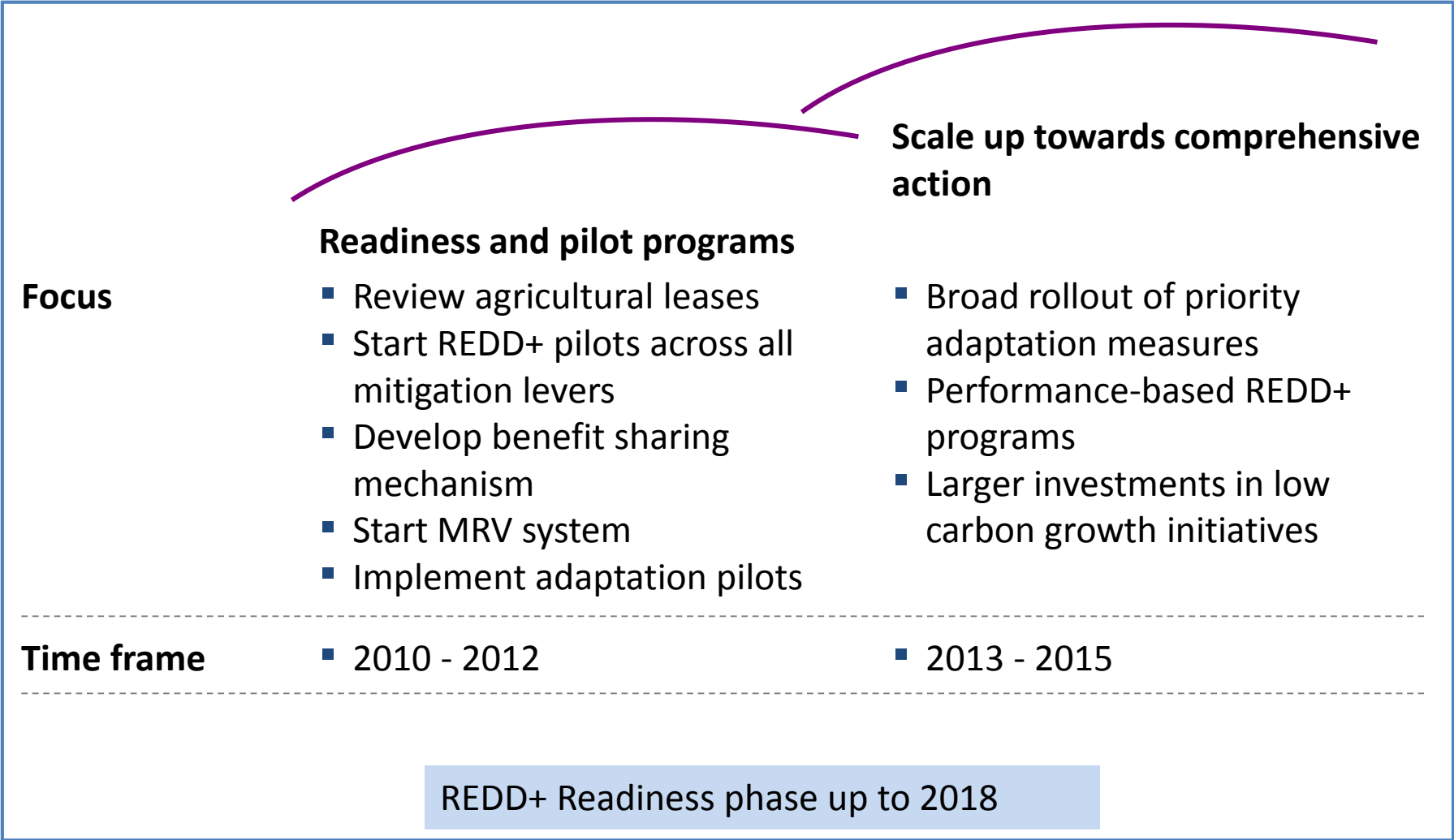
Draft National Climate Change Policy

National Climate Change
Policy

D R A F T

- Government's blue print to achieve our vision in building a climate resilient and carbon neutral pathway through sustainable economic development for PNG.
- Gives guidance to drive a whole of country effort towards low carbon growth and climate compatibility
- Will provide a clear demarcation of roles and responsibilities for coordination, implementation and review but using existing service delivery mechanisms such as under the Organic law on Provincial and Local Level Govts.
- Addresses legislation and institutional creation for climate change, adaptation, mitigation finance, partnerships
- Draft Policy to be approved soon

Implementing PNG's climate change strategy





Thank you

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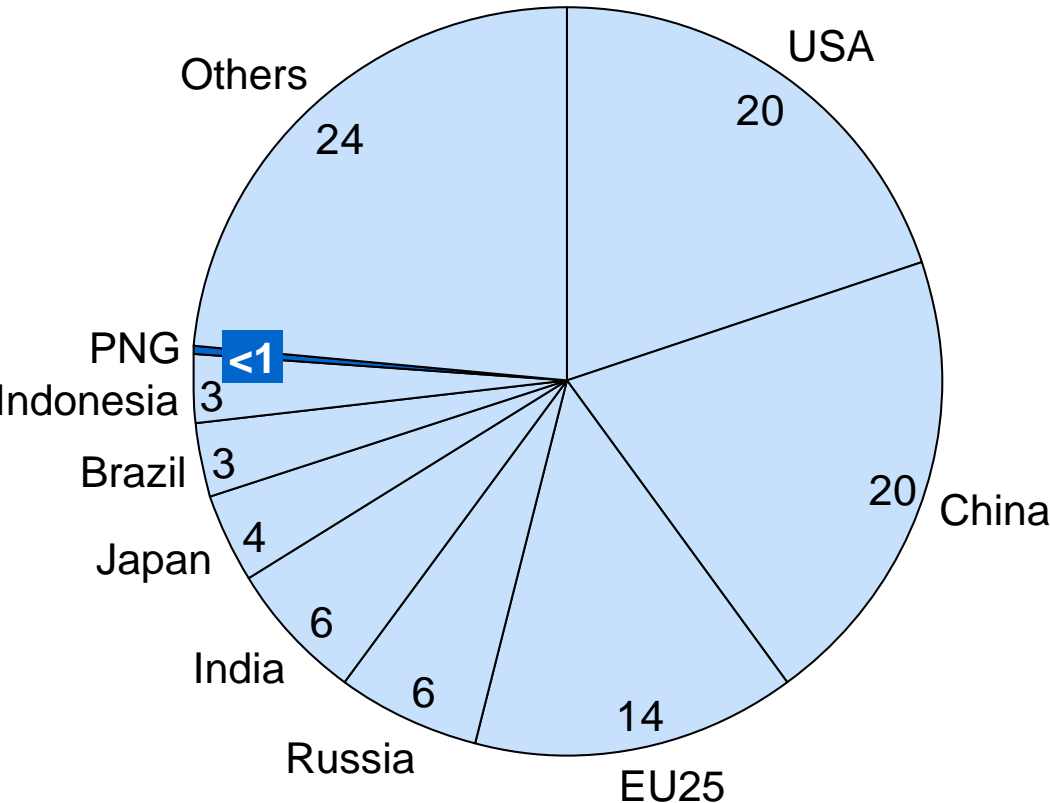


REDD+ Readiness

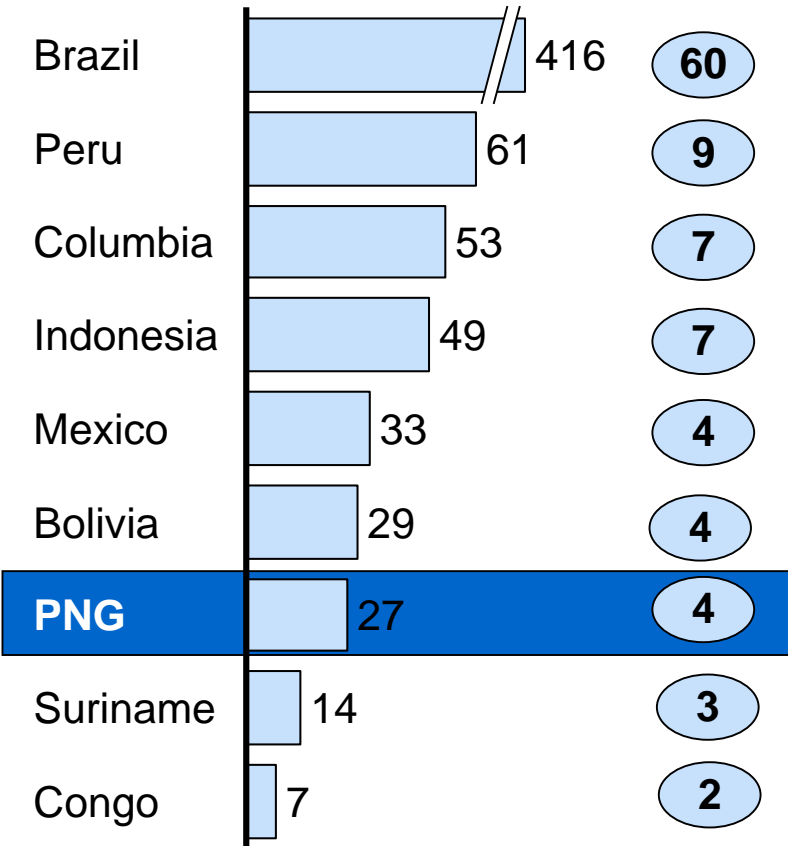


Although PNG is a relatively small emissions, it has a relatively large proportion of primary rainforest






GHG emissions by country
% of total emissions



Largest rainforest nations
Million hectares Percent



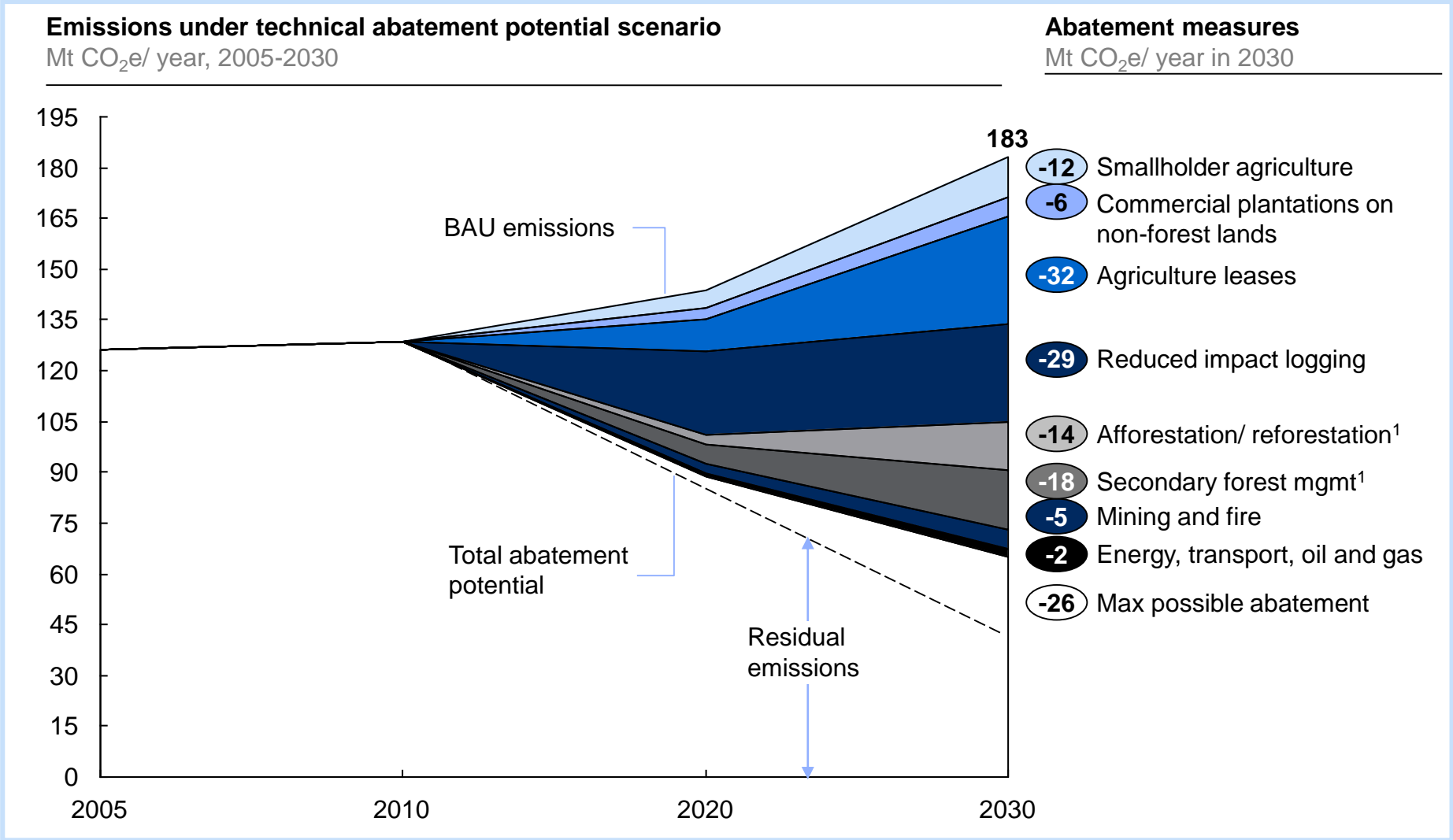
Sources of emissions

Driver of emissions	2010 emissions ¹ Mt CO ₂ e	2030 emissions ¹ Mt CO ₂ e	Description
 Timber harvesting	59-68	51-59	<ul style="list-style-type: none"> Conventional logging causing deforestation and degradation
 Subsistence/ smallholder agriculture	28-43	35-60	<ul style="list-style-type: none"> Population growth leading to expansion of agriculture area and shortening of rotation cycles
 Agriculture leases (SABLs)²	9	39	<ul style="list-style-type: none"> Forest clearing for large scale agriculture projects
 Others (i.e., mining, fire)	5	5	<ul style="list-style-type: none"> Others including mining and fires from hunting and subsistence agriculture
 Everything else	3-4	16	<ul style="list-style-type: none"> Oil & gas production, electricity generation and transport fuels

¹ Estimate of 2010 extrapolated from 2008/09 data

² SABL = Special Agriculture Business Leases. Exact emission for 2010 still to be verified

PNG could reduce emissions significantly by 2030 if all abatement levers were being used



1 A/R and secondary forest management are not emission reduction initiative, but carbon stock enhancement initiatives
 2 Assuming A/R abatement potential comes from its usage as conservation areas. If the areas will be used for plantation forestry, further research/analysis is need to calculate the abatement potential

■ Current phase

Phase 1 – Readiness

Phase 2 – Implementation

Phase 3 – Result Based Payment

Description

- Development of
 - National strategies or action plans
 - Policies and measures
- Capacity-building

- Implementation of national policies, measures, strategies or action plans
- Results-based demonstration activities

- Scale up of actions that should be fully measured, reported and verified

Time frame

- Pilot Projects
- 2009 - 2012

- 2012 - 2013/15

- 2015 - 2018

PNG

- Set up of OCCD
- Climate-compatible Development Strategy
- Safeguards
- Identified pilots:
 - Regional - April Salumei

- Sub-national pilots, e.g., at the province or district level

- PNG-wide implementation

PNG REDD+ Readiness Roadmap

- Management Arrangements
- Strategy
- Readiness Implementation Framework
- **Reduce Emissions Level/Reference Level**
- **MRV**
- **Stakeholder Engagement**
- REDD Readiness Pilot Projects
- REDD Payment Mechanism
- **Legal Framework**

- 
- Establish REDD+ strategy
 - Build / reform institutions, improve support services
 - Carry out land tenure reforms, land use planning
 - Set MRV system in place and payment processing system
 - Stakeholder consultation

Management Arrangements

- In place: OCCD, TWG, Development Partners Forum
- Yet to be: Climate Change Advisory Board, Climate Change Ministerial Committee

Strategy

- Completed: Drivers of Deforestation, Abatement Levers
- Started: Alternative Livelihoods, REDD+ consideration integrated into sectors plans
- Not Started: Co-benefits
- REDD+ Policy and Strategy to be developed and approved following National CC Policy in place

Readiness Implementation Framework

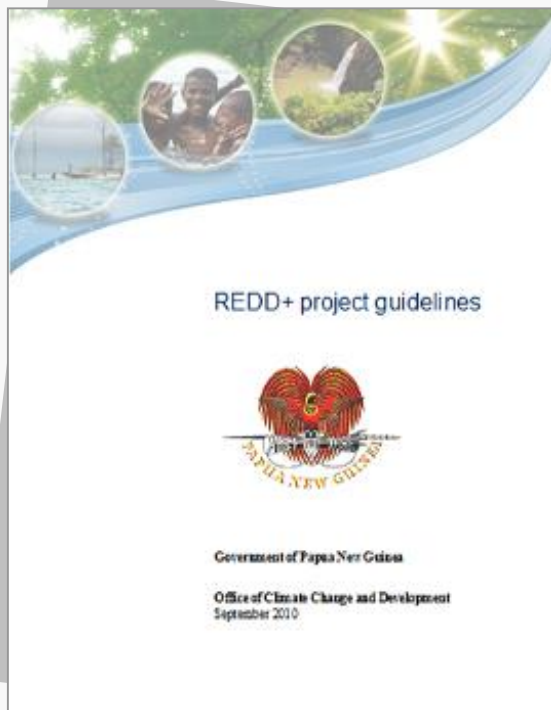
- On-going: REDD+ Guidelines, FPIC, BSDS, Land Tenure (Social/Cultural Mapping)
- Started: Alternative Livelihoods, Carbon Rights
- Not Started: Grievance Mechanism, Long Term Institutional Framework

Reference Emission Levels/Reference Levels

- On-going: Historical Emission Level
- Not Started: Assessment of National Circumstances, REL/RL to be agreed upon



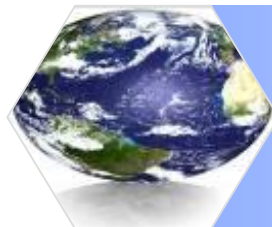
F REDD+ projects: Project guidelines ensure the quality of demonstration activities and protect landowners' interests



Protect landowner rights and interests in REDD+ demonstration projects



Prepare projects for future 'performance-based' payments from international REDD+ sources

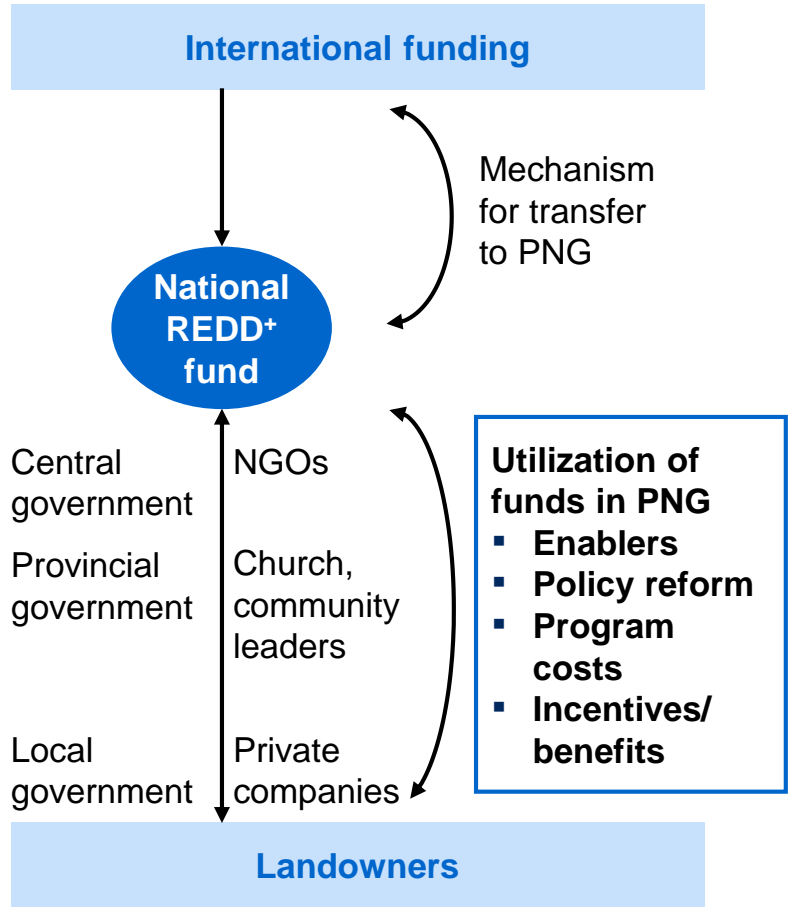


Ensure compliance of projects with internationally accepted safeguards

REDD+ guidelines serve as safeguards against social, environmental and fiduciary risks

D PNG needs to define the building blocks for a robust national Benefit Sharing Mechanism

Multiple factors need to be considered to develop a national benefit sharing mechanism



There are 5 key dimensions in establishing a robust Benefit Sharing Agreement

- 1 **Stakeholder engagement**
 - Identify the **target stakeholders** and engage, simultaneously building capacity

- 2 **Incentive design**
 - Determine **form, level, and timing** of benefit distribution

- 3 **Delivery mechanism**
 - Establish a **robust mechanism** for benefit delivery and monitoring

- 4 **Transparency and accountability**
 - Establish accountability and transparency on **fund transfer** and **performance**

- 5 **Dispute settlement**
 - Mechanism for **agreement changes, dispute resolution**

MRV

- On-going: Information System, Activity Data compiled, National Forest Carbon Inventory, GHG Inventory, Verification Mechanism

Stakeholder Engagement

- Completed: Broad set of stakeholders fully engaged (TWGs)
- Started: FPIC manual for stakeholder engagement

REDD Readiness Pilot Projects

- On-going: Abatement levers like Agricultural Leases
- Started: REDD+ Readiness Pilot Projects identified
- Not Started: Secondary Forest Management, A/R, Forest Conservation, RIL, Agriculture Extension Programme, Commercial Plantation on grassland

REDD+ Payment Mechanism

- Not Started: Fund/Payment Processing Mechanism

Legal Frame work

- On-going: National Climate Change Act/Policy
- Not started: REDD+ Policy and LCG Policy



Thank you!



**Office of Climate Change and Development
Papua New Guinea**