



# CLIMATE CHANGE AND PNG FOREST AUTHORITY

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# THE CONTEXT OF THE PRESENTATION

- How is PNGFA approaching the challenges of Climate Change?
- What PNGFA has Done and will continue to do?

# Since the introduction of REDD+ (COP 13, Bali), PNGFA as a sector had developed new policy initiatives and measures to address climate change issues

2007

- Creation of REDD & Climate Change Branch under the Forest Policy & Planning Directorate
- Review of 19 Provincial Forest Plans (include a statement on Climate Change & REDD)

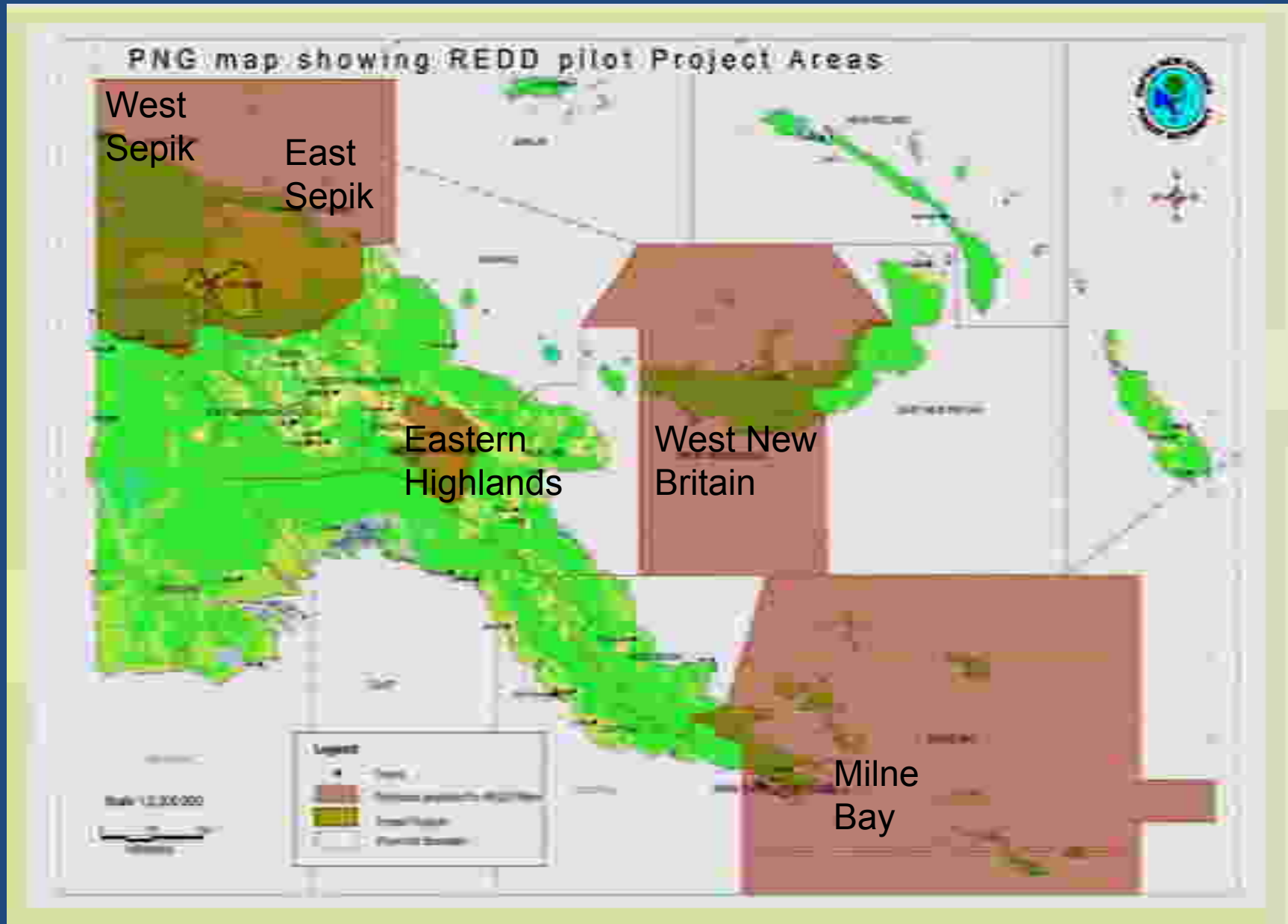
2008-2009

- Small working (PNGFA, FRI, UPNG, UNITECH) involved in the selection of 4 REDD+ Demonstration Pilots (Selection Criteria)
- Development of Policy initiatives and revision of guidelines
- Creation of Climate Change Unit, FRI

2010

- Endorsement and Launching of: (i).National Forestry Development Guidelines (ii) .Forestry and Climate Change Framework for Action 2009-2015
- National Forest Board's Decision to include April Salumei (5<sup>th</sup> REDD+ Pilot demonstration)
- PFMCS consulted (pilot sites)

# REDD PILOT INITIATIVES



# PROPOSED REDD+ PILOTS

- **Eastern Highlands Province**
  - Afforestation of grassland areas: 10,000-20,000 ha
  - Forest Conservation: 5,000-10,000 ha
  
- **West New Britain Province**
  - Secondary Forest Management (logged over forest): 100,000-150,000 ha
  - Afforestation/Reforestation: 40,000-50,000 ha
  
- **Milne Bay Province**
  - Reduce Impact Logging (RIL): 60,000 ha
  
- **Sandaun Province**
  - Afforestation/ Reforestation: 40,000-50,000 ha
  - Forest Conservation: 100,000-200,000 ha
  
- **East Sepik Province**
  - April Salumei FMA: 343,900 ha
  - REDD+ activities will be determined after a development option study (DOS) is conducted by the PNGFA and other relevant stakeholders including OCCD and NGOs first quarter 2012.

# SELECTION CRITERIA

- Province must have its Provincial Forest Plans approved by respective Provincial Executive Council (PEC's)
- Fairly distributed in the 4 regions of the country (Southern, Highlands, Momase and Islands).
- Located at different altitudinal zones i.e. 0-4,000 m.a.s.l.
- Located at different forest or vegetation types
- Located at in potential high risk areas (caused by cyclones, fires, population increase, logging and agriculture expansions).
- Located in Forest Management Agreement (FMA) areas.
- Easily accessible by the general public
- Different resource ownership types (i.e. paterilinal and matrilineal)

# UPDATE OF PNGFA's REDD PILOTS

- Two Pilots- Central Suau (MBP) and April Salumei (ESP)
- Awareness conducted at PFMC, Communities
- Obtaining FPIC from Landowners
- Collecting, compiling and registering ILGs
- Conducting the Development options studies
- Conducting NFI, and collecting soil and litter
- Establishing MRV Plots
- Compiling Field data

# ACCOUNTING FOR FOREST CARBON STOCK

- Development of a National ALLOMETRIC EQUATIONS FOR ABOVE GROUND BIOMASS for different tree species and forest types
- Developing a National SHOOT: ROOT RATIO for different tree species and forest types
- SOIL CARBON ASSESSMENT in PSP and REDD pilots PLOTS
- CARBON IN LITTER-PSP, REDD PILOTS

# COLLABORATION WITH INTERNATIONAL PARTNERS

- JICA-GIS aimed at Upgrading Forest Resource Database, Mapping, NFI & MRV
- EU-Multipurpose National Forest and Carbon Inventory
- ACP-EU and CIFOR ALLOMETRIC Equation
- FAO- Forest Genetic Resource Assessment
- UN-REDD- NFI

# BIOMASS ENERGY

Collaboration with Oil Search and Aligned Energy-  
Trailing of Different Exotic and Native Tree  
Species in Morobe

- Paulownia (GMT for Energy) was basically abandoned
- Eucalyptus pelita, Acacia mangium- Good candidates
- Potential Carbon Credits arising from Plantation establishments and for energy switch (from diesel to biomass)

# VULNERABILITY AND ADAPTATION ASSESSMENTS

- Planted Forest- Bulolo Forest Plantations
- Natural Forests- Asengseng Consolidated FMA area, WNBP
- Coastal Shorelines- Siassi Island, Ulamona
- Adaptation Strategies for Protection of Shorelines- the use of Non Mangal Plants
- Tree Breeding and Selections
- Assessment of PNG's Forest Genetic Resources



THANK YOU