



**Concept Note on
The 3rd PNGFA National Workshop on
“Development of methodologies for a National Forest Inventory in Papua New Guinea”**

20th to 22nd May 2014

Understanding and monitoring of forest and its change is crucial for sustainable forest management. Work towards conducting the first multipurpose National Forest Inventory (NFI) for Papua New Guinea (PNG) is currently under implementation by the PNG Forest Authority (PNGFA) with assistance by UN-REDD and EU. This NFI will be a basis for planning activities in the forestry sector and also a key element for the National Forest Monitoring System that PNG is required to establish in order to participate in the expected UNFCCC mechanism on REDD+ and will be one of the main data sources for the PNG greenhouse gas inventory. The NFI will also cover significant biodiversity, non-timber forest products, soils and cultural features in addition to timber volume.

NFI designing workshop has been held twice in October 2012 and February 2013. Outcomes of relevant forest research and inventory methodologies in PNG were reviewed, NFI experiences of other countries were presented by international experts and appropriate methodologies for the upcoming first NFI was discussed. At the second workshop, the NFI was decided to be progressed in two-phases. The phase 1 is the remote sensing based assessment to determine the most appropriate stratification and number of plots per strata for the field measurement conducted as the phase 2. Based on this decision, the first phase assessment was commenced in October 2013 and completed in March 2014 using Collect Earth, which is Google Earth plugin developed by FAO for forest sampling analysis in synchronism with Google Earth Engine.

During the three day NFI designing workshop, outcomes of the first phase of assessment will be presented to stakeholders and partners at the first day followed by two day working sessions by experts from relevant organizations to finalise inventory design and, training and implementation plans.

The expected outputs/outcomes of this workshop are as follows;

- (i) Methodology of land use assessment using open source satellite information is introduced.
- (ii) Outcomes of first phase (remote sensing based) of NFI are presented.
- (iii) Draft methodologies and implementation plans of the second phase of NFI (field sampling) are presented, discussed and finalised.

Tentative Programme

20 May (Tuesday)		
08:00	Registration	
09:00-09:30	Opening session	
	Devotion	Master of ceremony
	Opening address	PNGFA FAO
09:30 - 10:30	Official launching of EU/FAO Project “Technical support to the Papua New Guinea Forest Authority to implement a multi-purpose National Forest Inventory”	
10:30 - 11:00	Photo session and Morning tea	
	Session 1: Outcomes of Phase 1 (remote sensing based) NFI	Session 1 Chair: Prof. Simon Saulei Rapporteur: Miller Kawanamo
11:00 - 11:20	Review of previous workshops and purpose of this workshop	Dr Ruth Turia PNGFA
11:20 - 11:40	Demonstration of Collect Earth	Elizabeth Kaidong PNGFA
11:40 - 12:00	Forests and land use in PNG – Findings from the Phase 1 NFI	Gewa Gamoga PNGFA
12:00 - 12:30	[Panel discussion]	
12:30 - 13:30	Lunch break	
	Session 2: NFI methodologies	Session 2 (first day) Chair: Gewa Gamoga Rapporteur: Elizabeth Kaidong
13:30 - 13:50	Optimal plot size, number and shape; learning from PSP data	Brunoh Kuroh PNGFRI
13:50 - 14:10	Stratification and plot design	Prof. Saimon Saulei PNGFRI
14:10 - 14:30	Field manual	Brunoh Kuroh PNGFRI
14:30 - 15:00	[Panel discussion]	
15:00 - 15:30	Afternoon tea	
15:30 - 15:50	Botanical sampling in NFI	Kipiro Damas PNGFRI
15:50 - 16:10	Management plan; schedule, cost and logistics	Constin Bigol PNGFA
16:10 – 16:30	[Panel discussion]	

21 May (Wednesday)	<p>09:00 - 09:20 Soil survey in NFI</p> <p>09:20 - 09:40 Awareness strategy in NFI</p> <p>09:40 - 10:00 Non timber forest products database and assessment in NFI</p> <p>10:00 - 10:20 A proposal for integrating PNG's NFI with appropriate biodiversity indicators</p> <p>10:20 - 10:50 Morning tea</p> <p>10:50 - 11:10 Overall review</p> <p>11:10 - 11:40 [Panel Discussion]</p> <p>11:40 - 12:30 Session 3: Group discussions (facilitator)</p> <p>Group 1: Plot design (Simon Saulei) Group 2: Field implementation (Brunoh Kuroh) Group 3: Soil & litter (Patrick Nimiago) Group 4: Tree species identification (Kipiro Damas) Group 5: Biodiversity (Robert Kiapranis) Group 6: Awareness (Joe Pokana) Group 7: Non timber forest products (Ben Vali) Group 8: Planning & logistics (Rabbie Lalo)</p> <p>12:30 - 13:30 Lunch break</p> <p>13:30 - 14:30 Group discussion (continue)</p> <p>14:30 - 15:00 Group presentations</p> <p>15:00 - 15:30 Afternoon tea</p> <p>15:30 - 16:30 Group presentations (continue)</p>	<p>Session 2 (second day) Chair: Rabbie Lalo Rapporteur: Maman Tavune</p> <p>Patrick Nimiago, <i>PNGFRI</i> & Dr Peter McIntosh, <i>Forest Practice Authority, Tasmania, Australia</i></p> <p>Joe Pokana <i>OCCD</i></p> <p>Ben Vali <i>PNGFRI</i></p> <p>Dr Fabio Attorre <i>University of Rome, Italy</i></p> <p>Dr Danilo Mollicone <i>FAO</i></p> <p>Session 3 Chair: Dr Ruth Turia Rapporteur: Brunoh Kuroh Elizabeth Kaidong</p>
22 June (Thursday)	Session 4: Concluding session	
09:00 - 09:30	Recapturing of Day 1 & 2	