





Update on Training on National Forest Inventory manual development and capacity building

Mr. So Thea 4th Meeting of the Cambodia REDD+ Taskforce Phnom Penh 20.03.2014



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TCP/CMB/3304 NFI field manual development

Overview

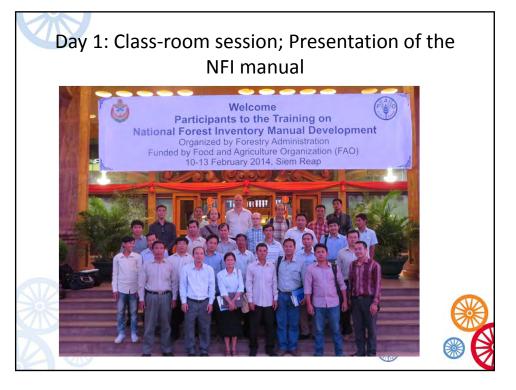
- Initial recommendation provided by in NFI Design consultation December 2013,
- NFI Field manual was completed and shared with relevant institutions for proofreading
- Training to support Cambodian NFI manual development and capacity building organized by Forestry Administration:
- 1. NFI field manual training in Siem Reap (Deciduous, Semi-evergreen, Inundated forest) (Siem Reap 10-13 Feb, 2014)
- 2. Class-room training and discussion sessions on feedback and advantages and disadvantages of circular vs rectangular plot shapes (Phnom Penh, 17-20 February, 2014)
- 3. NFI field manual test in Koh Kong (Rear-mangrove, mangrove, evergreen forest) upon request from participants (Koh Kong, 11-14 March, 2014)

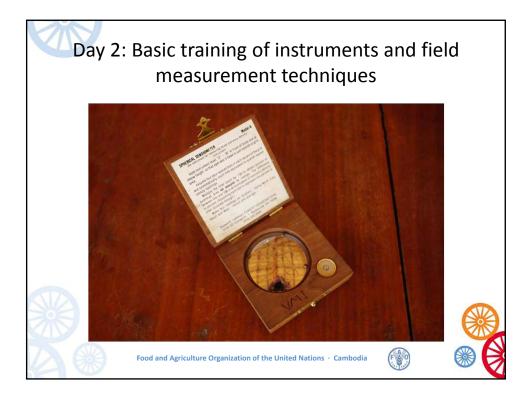


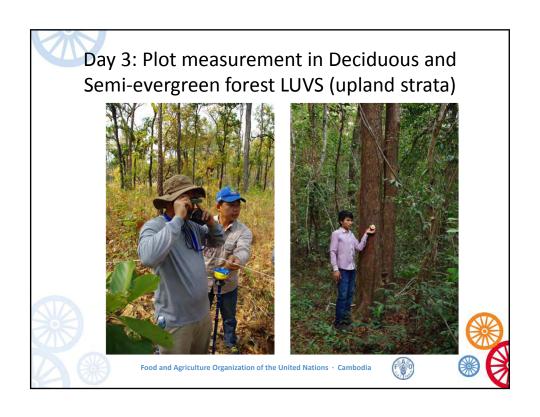
TCP/CMB/3304 NFI field manual development

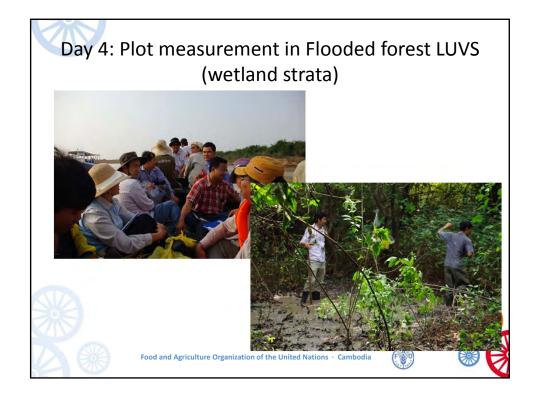
I. NFI field manual training in Siem Reap 10-13 Feb, 2014 (Deciduous, Semi-evergreen, Inundated forest)











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II. Class-room training in Phnom Penh, 17-20 Feb, 2014 and feedback and discussion on advantages and disadvantages of circular vs rectangular plot shapes





TCP/CMB/3304 NFI Manual Feedback

Summary Key comments from Proof-reading:

Field safety: to include some strategic points into the manual like: field safety **Calculation:** suggest to included formulas to calculate the number of plots by forest

type, Formula for calculation of volume, etc.

Equipment: Consideration for additional equipment

Cluster Design for upland and wetland strata consideration: Is it possible to use the circular plots? (design both rectangular and circular plots?)

Additional clarification: If some plots fall into open area or forest area which already cleared, is it possible to shift the plots to other location? If so, which site (direction) should be shifted?



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TCP/CMB/3304 NFI Manual Feedback

Summary Comments Field Teams:

Field Forms: Several suggestions to improve field forms

Equipment: Consideration for the use of equipment for measurement and additional

equipment to be included in the list of materials

Clear roles and responsibilities: Recommending 6-8 persons per team including guard

and local assistants

Circular vs Rectangular plot considerations (see next slide)









Comments Field Teams (advantages and disadvantages) to Siem Reap:

	Advantages		Disadvantages	
Circular	1.	Easier to establish	1.	Difficult to estimate if the
	2.	Less errors		tree is inside or outside the
	3.	Need less manpower		plot (boundary not clear)
	4.	Easy to record location of trees	2.	Difficult to apply in
		(bearing and distance)		evergreen and semi-
				evergreen forest
Rectangular	1.	Easy to measure, after plot	1.	Establishment takes time
		layout	2.	Need more manpower
	2.	Easier to allocate trees to	3.	Tree location takes time
		subplots	4.	Difficult to use vertex

Black = comments Monday 17 Feb 2014 Blue = additional comments 20 Feb 2014





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III. NFI field manual test in Koh Kong 11-14 March, 2014 (Rear-mangrove, mangrove, evergreen forest)

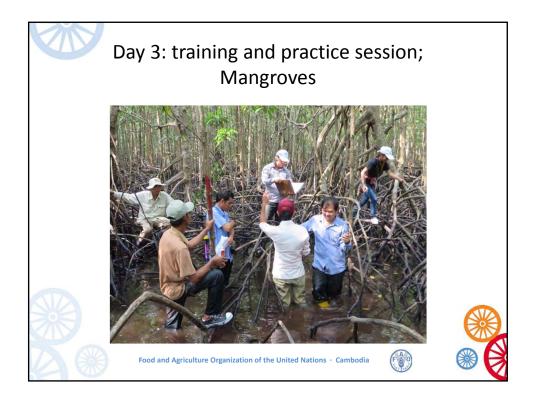
upon request from participants!

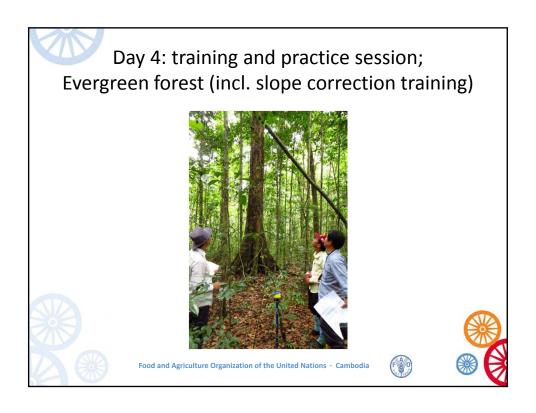


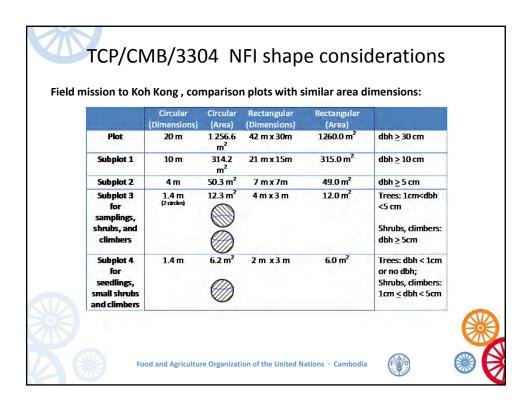


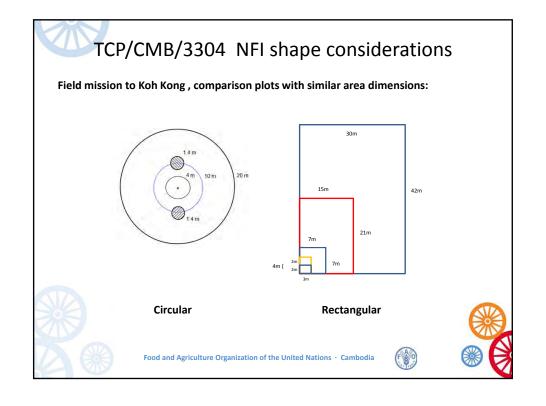












TCP/CMB/3304 NFI shape considerations

Field mission to Koh Kong initial observations:

	Ad	Advantages		Disadvantages	
Circular	1.	Saves considerable time (total 14h13 circular, 18h40 rectangular for all groups) Direct measurement of horizontal distance of tree to plot center using vertex in sloped plots		Additional training needed on e use of Vertex	
Rectangular	1.	Feeling of appropriateness to current knowledge	1.	In general more time needed to measure same area size Slope correction necessary for X, Y distances measured in the field	





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Follow-up actions:

- Presentations of results at MRV/REL technical team meeting (20 March 2014), 4th Meeting of the Cambodia REDD+ Taskforce (28 March 2014)
- Compiled of feedback from FA, FAO, and participant to the NFI field manual training and testing; working on the final draft
- Final draft being translated in Khmer and made available for final comments











Thank you!



Special thanks to contributing institutions, participants, the UN-REDD programme and Jica.

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