Dialogue on Satellite Data and Monitoring Systems for REDD+ BMZ and DLR, Bonn, 05.10.2012







Presentation: On uncertainty in REDD+ biomass figures























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K.	Data source	and approaches	
1	Activity data = estimation of area <i>changes</i>	Emission factors = estimating carbon stock <i>changes</i>	
and the second second	RS based / field based Integrated approaches → compatibility of definitions! 3 approaches (IPCC) Estimation error in changes in forest cover in the range of 5-20% from mid- resolution imagen fr two classes	For all pools: depending on suitable models 3 tiers (IPCC) Field observations. Regionalization with remote sensing. 95% CI of AGB estimation between 20% and 40% (various sources listed in Grassi et al.	
	 (Achard et al. 2007) Both estimations carry various sources of uncertainty Both estimations benefit from prior experiences and research studies. Both estimations need to be done (1) for the reference period and (2) for the assessment period; carrying on uncertainties from both periods to the final estimation of emission reduction. Both estimations need to focus to human induced changes (estandard in periods) in periods. 		
-	observational studies) !		
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Examples for uncertainty statements (simple standard errors) in forest monitoring (example: forest area / growing stock)

Area

0.7%

9.3%

3.8%

Question: What is "good" / what is "good enough" ?

Growing

stock

0.5%

17.4%

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18.3%

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44998

46

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40 (field)

159 (air photos)

(number of field cluster plots)

AWF

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2nd German NFI (2001):

FAO-NFMA pilot inventory:

NFI Burkina Faso (2010): 9.9% research project, BEAF-GIZ

Costa Rica (2001)

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