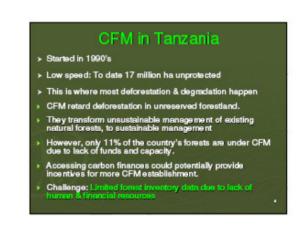
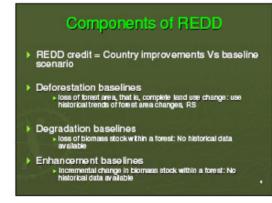
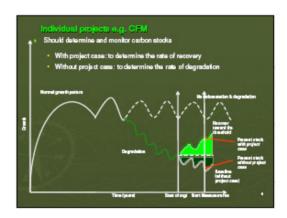


TZ Forest extent Tanzania:94.5 million ha Forestland of 35 million ha: 16 million are reserved forests, 2 million hectares are forests in national parks and 17 million hectares (49% of all forestland) are unprotected forests in general lands. Deforestation & Degradation: 412,000 ha per yr in the general land forests.











Consists of: A handheld computer with ArcPadTM 6.0 software and connected to GPS It is easy to use Is used to locate: forestry boundaries sample plots and recording measurement data With a step-by-step guide to the procedures, local communities were trained in a short time and were able to

i. Forest mapping/stratification ii. Pilot survey to estimate variance and number of sample plots iii. Locate the sample plots on the ground iv. Measure the dbh of all trees v. Set out the sub-plots for the grasses, herb and litter data vi.Take soil samples randomly within the plot

	Data analysis
• Dens • Basa • Volu	ring trees stand parameters were computed: sity i.e. the number of stems per ha (N) il area per hectare (Dominance)(G) me per ha (V) and piomass / carbon (tones per ha)
	volume and biomass were computed using local existing allometric functions for the

use the system effectively

	Results					
With Projec	t Case			10 50		
Vegetation type	Location	Average annual increment (Vhalyr)	cce sequestration (ICO/helyr)	Forest Area (ha)	Total sequestration (tCO_/ha/yr)	
Woodlands	Kitulangal o	2.8	5.3	600	3,180	
Warner S.	Ayasanda	1.7	3.2	550	1,760	
Lowland	Ludewa	4.4	8.3	28.5	287	
Montana	Mgambo	5.2	9.8	158	1,760	
Without Proj	oct case	San San J		to the second	Table To	
Vegetation type	Location	Average biomass loss (l/ha/yr)	Average CO ₂ Emissions (thelyi)	Forest Area (ha)	Total CO _s Emissions (ICCO/he/yr)	
Woodland	Kitulangal o	1	1.8	800	1014	
Montane	Mgambo	3.5	6.5	158	1080	

3011313131313 31 (333311113113113113	_
Since forests under CFM are efficient in carbon storage and sequestration:	
 governments are argued to consider CFM as part of their approach under climate mitigation policy 	
Since there are no data on carbon stocks	1
 Studies on forest inventories using methodologies such as that developed in this study are recommended 	1 7 1 3







