Assessment, Valuation, Mapping and Monitoring Biomass and Carbon Stocks

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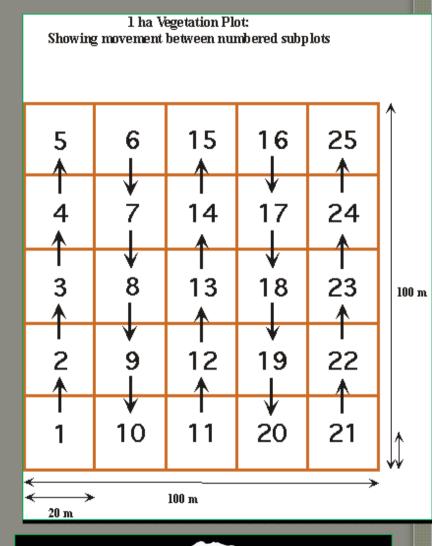


Assessment and Monitoring of Carbon

- Data Sources:
 - Literature Data
 - Field estimates of C for Different Land Cover Types
 - Includes Participatory C Assessments
 - Measurements on 1 Ha
 Permanent Sample Plots to
 enable future monitoring
 - (Tropical Ecology Assessment and Monitoring (TEAM)









Carbon Assessment & Measurements

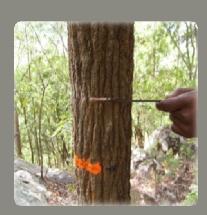
- Use 5 pools of Carbon for each land cover
 - Aboveground
 - Belowground
 - Organic matter
 - Dead material

- Stratified by **Elevation**
 - 300 m elevation bands
 - Valley Bottoms ridge tops
 - Consideration of Aspect (if necessary)









Carbon Assessments and Measurements

- Stratified by Cover Types
 - Evergreen Forests
 - Woodlands Miombo, Acacia
 - Thickets

Cultivated land – mixed crops/Agroforests

Assess Degradation





Assessment and Measuring Carbon Stocks

- **Tree and Plot Volume**
 - Base on existing or developed allometric models
- Compute Biomass
 - Base on existing allometric models
 - Base on developed allometric models
 - Base on volume and wood density (wood basic density - species specific and/or general)
- Carbon 49 50% biomass

 Mapping C Distribution InVest model



Preliminary Carbon Maps

