Multi-purpose National Forest Inventory

Non-timber Forest Products Inventory

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Introduction

- To ID, name and record field data
- To determine status, quantity and quality of each NTFP
- To store data and information in a database
- Develop a NTFP management plan
  - Preservation (Protection Strategy)
  - Breeding and regeneration(Silviculture)
  - Harvesting and processing
  - Utilization and marketing
  - Research, training and dissemination of information to stake-holders

Non-timber Forest Products

- Multi-purpose Tree Species (MPTS)
  - Commercial tree species with other end-uses eg. Cryptocarya (masoy bark), Canarium (nut), Kauri pine (copal gum) and bamboo
- Non-timber Forest Products (NTFP)
  - Woody plants with no timber value but have other commercial end-uses eg. Eaglewood
  - Plants with no wood but have other commercial uses eg. mushroom, rattan and orchids etc

Main Data Requirements During Multi-purpose Forest Inventory

- Names
- Locality and distribution
- Status, quantity and quality
- Usable part of the plant
- End-uses
- Habitat
- Ecology
- Phenology

Names of NTFP

- Common /Trade Names
- Botanical / Scientific Names
- Family Names
- Other Local Names
- Botanical Classification
- NTFP Grouping (NTFP, MPTS)
- Endemic
- Rarity

NTFP Description and Utilization

- Usable part of the tree
- Name of the usable part
- Product type(s)
- Final end-uses

Locality

- Location Name
- Map Location (GPS)
- Distribution
- Altitude
- Topography
- Soil
- Drainage

Ecology

- Forest type and Strata
- Habitat
- Climate
- Phenology
- Biological threats

NTFP Database

- MS Access 2010
- Tables (Master Table)
- Queries
  - Separate information/data automatically into specific NTFP ;
  - NTFP Types
  - Plant Parts
  - Uses
  - Localities and distribution

NTFP Database (cont'd)

- Forms
  - Data input (Open Data Input Menu)
    - Open button – View data without editing
    - Add button – Add new data
    - Edit Button – View data with editing
  - Data Input Form
    - Open New Form (Open Form)
    - Open Filled up Form (Open Form)
- Reports (Open Report)
  - Data output
  - Printing for hard copy

NTFP Database (cont'd)

- Data can be imported and exported from or to another database
- Data can be imported and exported from an excel spreadsheet
- Data can be emailed from within the database
- Password protected (option)

Database Presentation

- NTFP
- Biomass, Carbon Storage and Energy
- Plantations
- PSP Plots
- CLICK to open ∏nim DY DataBase Program

Conclusion /Recommendation

- Use the NTFP database to collect, store and retrieve data and information
- Use the database to make informed decisions on the use of specific NTFP
- To develop management plans on specific NTFP
- To conserve genetic materials for future reference
- Fully utilise the existing databases
- Training in data input into NTFP database
- Intellectual Property issue to be determined

The End

- Thank you for your attention