



UN-REDD  
PROGRAMME

# National Forest Monitoring System Training Modules



## Forest Inventories

*NFI 20 step exercise  
– what to measure?*



### ***Discussion Questions***

*NFI Training Course – February 7-11  
Port Vila, Vanuatu by Adam Gerrand*



## Small group exercise

- Read part A: Planning component of the 20 steps to do an NFI document



# What data do you need to measure in an NFI?

B: Specific questions.

D: Specific tables of results

A: Broad monitoring objectives.

Forest Productivity and Economic Value

Biological Diversity

- Volume by diameter class?
- Forest species composition?
- Canopy composition?
- Merchantable volume?
- Forest area?

Volume by forest type, diameter class and watershed

Volume by species by tree quality

Number of trees by species by canopy class

Forest area by forest type

Total volume by accessibility class by slope class

Number of trees by diameter class

Etc.

C: What is measured to answer the question?

Canopy stratum

# of trees

Merchantability class

Accessibility class (distance to road/river)

Tree health class

Age

Height

Watershed

Land use

Diameter

Forest type

Species

## List 2 objectives your group thinks should be answered by the NFI, and fill in (like example below) on what is measured to answer your question?

A: Broad policy objective	B: Specific questions	C: What is measured to answer the question?	D: What are the results?
<p>Example: Forests with high biological, cultural, spiritual, and historical values are conserved and protected.</p> <p><i>[from page 24 Vanuatu National Forest Policy]</i></p>	<p>Are the locations of rare or threatened species known?</p> <p>Cultural site locations?</p>	<p>ID species correctly in NFI. Train staff doing field work to identify species, look for them when in the forest and in the NFI plots - taking photos and samples of bark, leaves and fruits.</p> <p>Ask local people where the sites are and record them with a GPS or take a picture with GPS camera/phone</p>	<p>Improving records, points or maps of locations of rare or threatened species recorded in DoF maps (and GIS?)</p> <p>Improved maps or locations of cultural sites. <i>[Interviews can be good source of information]</i></p>