

Relationship between National development & NFI in Laos

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– 1st Inventory

- Lao NFI was done two provinces per year, so NFI was completed for 8 years (1991-1998) for first inventory.
- It was done by Forest Inventory and Planning Division, Department of Forestry.
- Budget (national: N/A, international: SIDA fund)
- From 1998 to now, NFI can not be continued, because of lack of fun and Human resources.



• Latest National Forest Inventory Design

- Two-phased, stratified, systematic, cluster sampling (square shaped tracts/clusters).
- In the first phase a large number of tracts are laid out on the Land Use Maps (based on the SPOT satellite images). The tracts are located in a systematic way according to the map grid net. The tracts are classified according to land use and accessibility. Based on this classification the tracts are assigned to five different strata.
- In the second phase a certain ratio of the tracts, different for different strata, are selected for field inventory. This selection is done with random.

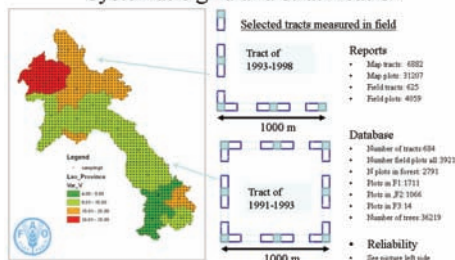


– Field Inventory in accessible area

- The clusters consist of square shaped, tracts. The tract sides have a length of 1 km x 1 km. Along the sides different types of sample plots are located. The tracts are drawn on the 1:100 000 scale topographic map and on the land use map during the first phase of the inventory.
- Sample (plot) size:
 - type (a) is 20x20 m,
 - b) 20x40 m and
 - c) 20x400 m.
- **Number of tract is 583**
- **number of plot is 3849**



Systematic grid and stratification



- Country Forest Cover Monitoring.
- Forest Policy Formulation.
- Forest Development Strategy to contribute to poverty eradication.
- Species Identification and Growth Volume for Sustainable Management of Forests contributing to the targets of the national socio-economic plans.



The major Forest sector targets

- To improve quality of existing forested area so as to recover forest cover rate to about 70% of total area by naturally regenerating up to 6 million ha and planting tree up to 500.000 ha in temporary unstocked forest area as an integral part of rural livelihood support system including stable water and forest products supply and mitigation of natural disasters.



The major Forest sector targets (cont)

- To generate a sustainable stream of forest products for domestic processing and consumption, and many of them for eventual export generating adequate household incomes, contributing to the country's foreign exchange resources and fiscal revenue and increasing direct and indirect employment.
- To preserve the existence of many species and unique habitats, which are threatened with extinction
- To conserve environment including protection of soil, conservation of watershed and climate.



Thank you
Kob Chai

