

Strategy for NFI in Vietnam

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Strategy for National forest inventory in Vietnam

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- 1 History of national forest inventory
- 2 The changes on forest resources by the time
- 3 Strategy for NFI in Vietnam

1 History of national forest inventory

Year	Title	Institution	Scale map	Estimation Level	remote sensing	(Percent age area, %)	Budget (000,USD)
1978	National forest resources inventory	Forest Inventory and Planning Institute	1:25,000; 1:50,000 1:100,000	National-Sub-national	Aerial photo	Partial, 70%	500
1981-1983	National Forest resources Inventory	Forest Inventory and Planning Institute	1:500,000	National	Aerial photo	Full	700
1987-1989	National natural Forest Inventory	Forest Inventory and Planning Institute; Management units	1:25,000 1:50,000	National, Sub-national, District, Management unit	Aerial photo	Partial, 50%	2,000

1 History of national forest inventory

Year	Title	Institution	Scale map	Estimation Level	remote sensing	(Percent age area, %)	Budget (000,USD)
1991-1995	National Forest Inventory and Assessment Program	Forest Inventory and Planning Institute	1:250,000; 1:100,000; 1:25,000	National, Sub-national	Spot (0.5m*30m)	Full	1,500
1996-2000	National Forest Inventory and Assessment Program	Forest Inventory and Planning Institute	1:250,000; 1:100,000; 1:25,000	National, Regions	ETM (0.5m*30m)	Full	2,500
2000-2005	National Forest Inventory and Assessment Program	Forest Inventory and Planning Institute	1:250,000; 1:100,000; 1:25,000	National, Sub and Province	ETM (10m*10m)	Full	3,000
2006-2010	National Forest Inventory and Assessment Program	Forest Inventory and Planning Institute	1:250,000; 1:100,000; 1:25,000; 1:10,000	National, Sub and Province, districts and some communes	Spot (2.5m*2.5 m)	Full	3,500

2 The changes on forest resources by the time

2.1 Change of Forest Area (1,000ha)

1990: 9,363
2000: 11,725
2008: 12,931

⚡ **Main causes of Change**

- Five million ha reforestation programme
- Forestry land allocation to household
- Support for production plantation

2.2 Change of function

Purpose	1990	2000	2008
Production	5,707	4,519	6,330
Protection	2,925	5,502	4,979
Conservation	731	1,570	2,078

2 The changes on forest resources by the time

2.3 Change of Growing Stock (m3/ha)

1990: 76
2000: 78
2008: 74

⚡ **Main causes of Change**

Most new forest area is young and new plantation with low growing stock

2 The changes on forest resources by the time

2.4 Change of Carbon Stock (million tons)

1990: 777
2000: 927
2008: 952

⚡ **Main causes of Change**

Forest area and growing stock is increasing

2.5 Strengthening Forest Policies

- Establishment of long-term Planning of National Forest conservation and developing plan
- Enactment of Forest conservation and developing Law
- Decree for Payment for environment service

2.6 Increasing of Forest Budget (million USD)

The total budget for forestry of the whole country per year

2000: 160

2008: 205

3 Strategy for NFI in Vietnam

3.1 Objectives of NFI

- Collecting data of quantity and quality of forest, forestry land to manage effectively and bio-diversity, environment conservation
- Propose recommendation to Government to revise policy
- To establish forest development plan in different level (Nation, region, province, district and commune.
- Forest and forestry Land allocation to household
- Supply data of exploitation potention of wood and NWFP for society (expecially plantation)
- Contribute to share payment for environment service to forest owners

3 Strategy for NFI in Vietnam

3.2 How to NFI in Vietnam

- Satellite emagery with high resolution (Spot5 2.5m x 2.5m)
- Edit forest type map with many scale from 1/1,000,000 to 1/10,000 for making plan in different levels
- Sampling system plot with density 8km x 8km. The total SP is 2,100
- Collecting all data from seedling to big tree, NWFP, social economic and natural conditions.