



# Forest account compilation in Viet Nam

## From accounts to indicators

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# Policy priority questions on forest

- Sustainable forest management
- Measurement of total forest economic contribution
- Carbon emission mitigation through enhancement of forest carbon stock for climate change prevention and reduction of its impact

# Forest account establishment

- With financial and technical assistance by WB, GSO with VAFS compile a set of forest accounts under SEEA
- 10 accounts target at 5 main-forest dimensions:
  - ❖ Forest services
  - ❖ Timber resources
  - ❖ Forest area
  - ❖ Forest carbon binding
  - ❖ Other economic and social benefits of forest
- Accounts provide numerical facts over time, from which indicators can be developed
- Information extracted help find warnings, potential conflicts, forest economic and social importance
- This may requires reassessment of policy targets created, possible amendment and design of alternative appropriate polices accordingly.

# Accounts to indicators

- **4 indicator groups derived from accounts:**

- ❖ **Indicators on economic benefits of forest**

- Value of total forest goods and services as % of GDP

- Value of forest services as % of output or GVA of corresponding economic industry (for example: electric power generation, transmission and distribution; water production and supply; tourism service activity).

- % of rural energy demand met by firewood

- % of household nutritional requirement provided by forest

- Number of forest-related establishments, output of main forest product manufacture industry, exports of forest-related goods

- ❖ **Indicators on forest social benefit**

- Forest employment as % of total national employment

- ❖ **Indicators on ecosystem condition**

- Intensity of timber resource use

- Trend in forest area, net changes in forest area, forest cover

- Relative changes in share of planted forest area

- Additions and reductions in forest area by causes

- ❖ **Indicators on forest role in global ecological cycles**

- Net changes in forest ecosystem carbon

- Forest ecosystem carbon storage by forest type.

# Accounts to indicators: a few practical examples

Selective indicators	2010	2011	2012
<b>I. Indicators on economic benefits of forest</b>			
1.1. Forestry contribution to GDP (SNA) (%)	0.73	0.68	0.64
1.2. Value of total forest goods and services as % of GDP (SEEA)	1.18	1.11	0.97
<b>II. Indicators on ecosystem condition</b>			
1. Intensity of timber resource use (%)	7.7	8.7	9.6
2. Forest cover (%)	40.57	40.95	42.01
<b>III. Indicators on forest role in global ecological cycles</b>			
Net change in forest ecosystem carbon at constant price (billion dong)	6,014	6,023	6,060

# Next intended steps

- Design standard set of indicators, database and management instruments on forest resources
- Formulate and introduce statistical reports imposed on forest service beneficiaries, PES receiving units and PES forest services
- Improve forest accounts by use purpose (protective, special use and productive forests) and causes
- Compile forest accounts for some particular regions
- Expand the forest account system to the forest management and protection expenditure account.

**Thank for *your* attention**