

# Forestry Development and Growth in China

Beijing Forestry Society, P.R. China



Dr. Wang Xiaoping, Secretary General

*wangxp@bfdic.com*

# Contents

- **Forest Resources**
- **Forest Administration**
- **Prospects**



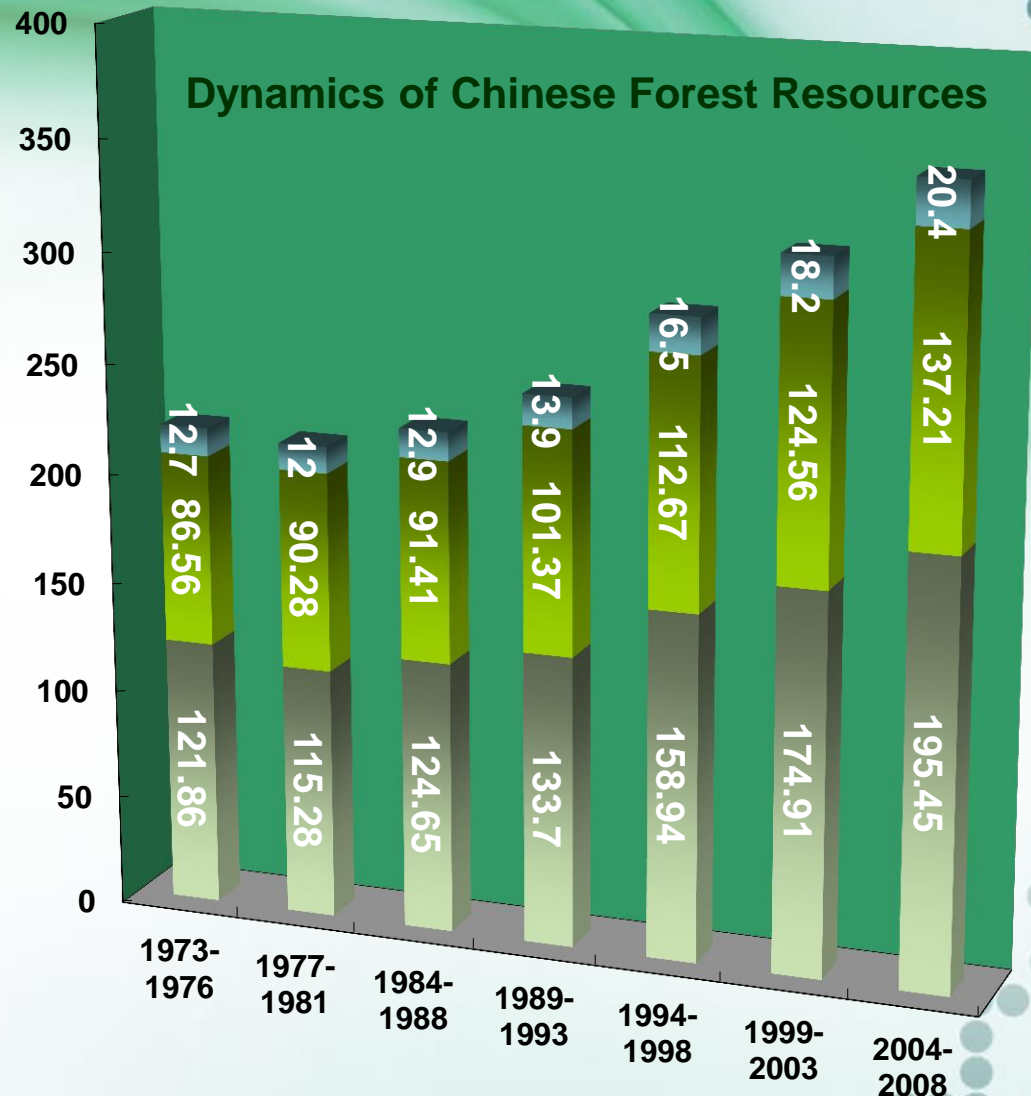
# Forest Resources in China

Chinese forest resources rank in the world as follows:

✓The 5<sup>th</sup> largest in terms of the forest area.

✓The 6<sup>th</sup> largest in terms of the forest stock.

✓The largest in terms of the planted forest area.



■ Forest Cover Rate/%

■ Forest Area/million hm2

■ Forest Stock/hundred mil m3



7/9/2015

# Forest Ownership

## Chinese Forest Ownership Structure

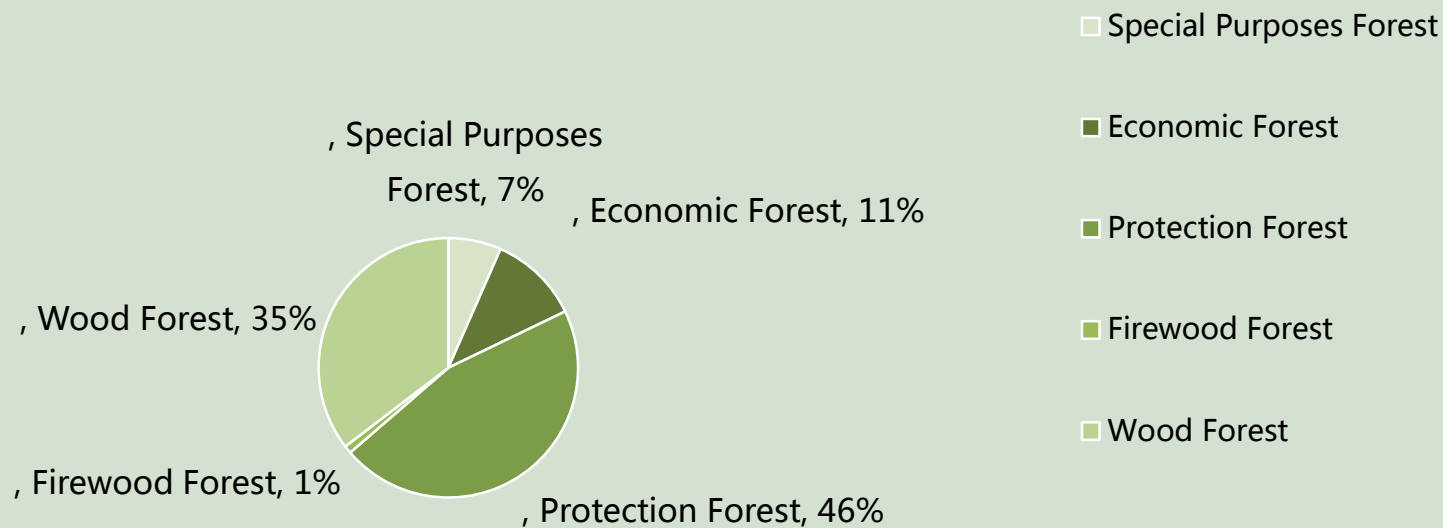
	State-owned	Collective-owned	Private
Arbor Forest Area/million hm2 Percentage/%	7.3156 39.38	52.7699 28.54	58.1752 32.08
Shrub Area/million hm2 Percentage/%	70.1852 45.11	48.2015 30.98	37.2032 23.91
Economic Forest Area/million hm2 Percentage/%	1.008 4.94	2.5266 12.38	16.8754 82.68
Bamboo Forest Area/million hm2 Percentage/%	0.2426 4.51	1.0418 19.36	4.0966 76.13
Forest Stock/billion hm2 Percentage/%	8.8 65.77	2.9 21.73	1.7 12.50

7/9/2015



# Forest Categories

## Area Structure of the 5 Forest Categories



# Forest Administration in China

Rehabilitate and Protect  
Forest Ecosystem



Manage and Restore  
Wetland Ecosystem



Three  
Ecosystems &  
Biodiversity



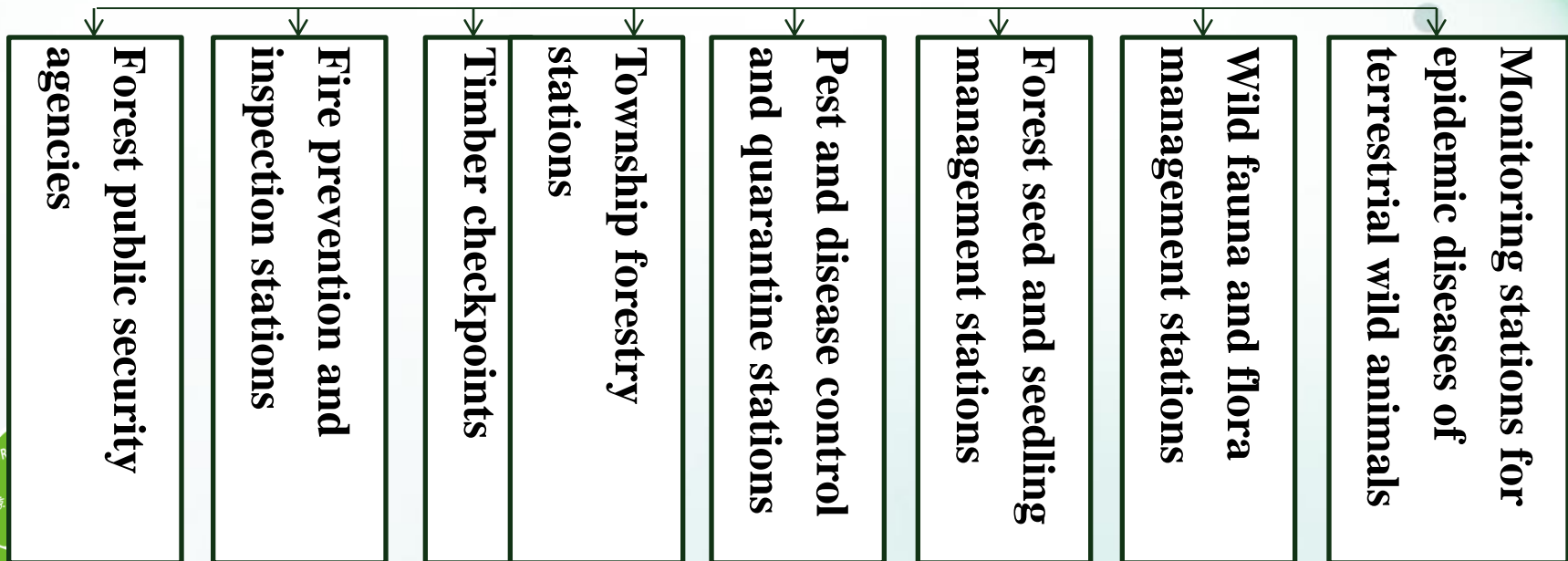
Improve and Manage  
Desert Ecosystem

Maintain and Develop  
Biodiversity

# Forestry Administrative System

- ❑ 1.69 million employees working in the forestry sector.
- ❑ Forestry departments /bureaus at the provincial/autonomous region/municipal level
- ❑ Forestry agencies at the prefecture/city/county level.

## Forestry administration in China



# 1 Resolve Ecological issues in an Integrated Way

**Nearly 160 billion USD have been invested in the key national forestry programs since the 21<sup>st</sup> century:**

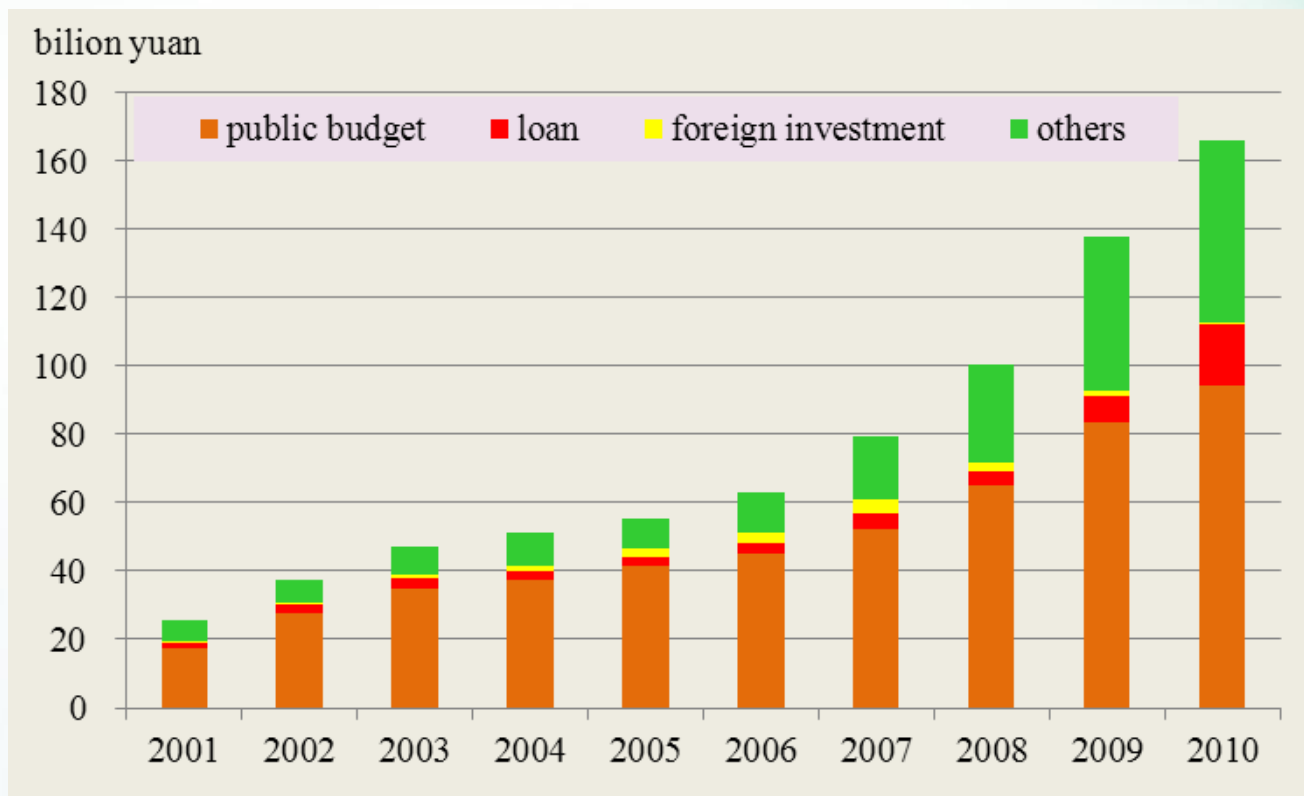
- Natural Forest Protection Program (NFPP)
- Grain for Green Program
- Sandification Combating Program for Areas in the Vicinity of Beijing and Tianjin (SCPABVT)



# Forestry Financing

From 2001 to 2010, total investment for forestry amounted to **124.78 billion USD**.

**81.63 billion USD** was from central government budgets (accounting for **65.42%**).



## 2 Development & Protection of Forest Resources

- ❑ National Plan for Protection and Use of Forest Land (2010-2020)
- ❑ National Mid-and Long-term Forest Fire Management Program (2009-2015)
- ❑ Forest Fire Management Regulations





- ❑ China National Wetlands Conservation Action Plan (2000)
  - ❑ National Wetland Conservation Program (2002-2030)
  - ❑ Implementation Plan for National Wetland Conservation Program (2005-2010)
- 
- **553** natural wetland reserves and **145** national wetland parks
  - Conserving **18.2** million ha wetlands or 50.3% of the national total.



## 4

# Conservation of Biodiversity

**2,035 natural reserves were established  
covering an area of 123.7 million ha**

- 107 wild flora nature reserves (1.68 million ha)
- 284 wild fauna nature reserves (22.28 million ha)



# 5

## Development of Forestry Industry

- ❑ Policy Kernels for Forestry Industries
- ❑ Revitalization Plan for Forestry Industries

### Leading forestry industries:

- Timber and other industrial material cultivation
- Forest products
- Woody grain and oil and other special economic forests
- Forest tourism
- Non-wood products under forests
- Bamboo industry



## 6

# Forest Tenure Reform

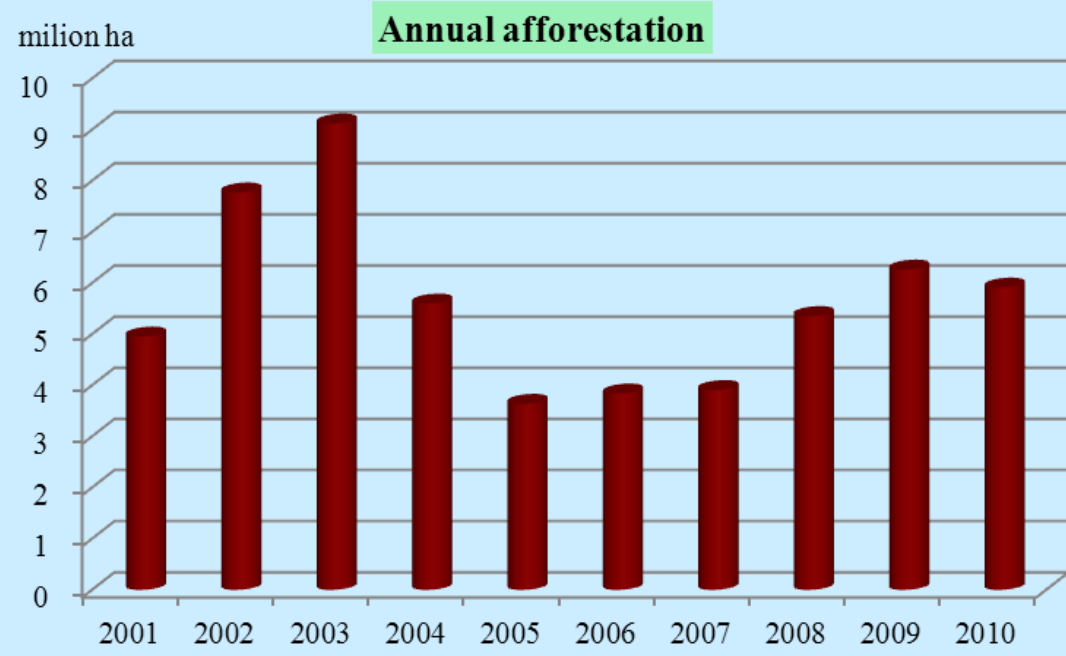
- ❑ 173 million ha (95% ) of the collective forest lands have been contracted to farmer households.
- ❑ 83.79 million farmers have received their forest tenure certificates.



- ❑ United Nations Convention to Combat Desertification (UNCCD)
  - ❑ Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
  - ❑ Convention on Wetlands of International Importance Especially as Waterfowl Habitat (Ramsar Convention )
  - ❑ Non-Legally Binding Instrument on All Types of Forests (NLBI)
- 
- United Nations Convention on Biological Diversity (UNCBD)
  - International Convention for the Protection of New Varieties of Plants
  - United Nations Framework Convention on Climate Change (UNFCCC)

# Achievements in Ecological Conservation

- ◆ Forest area: 195 million ha.
- ◆ Forest stock volume: 13.721 billion m<sup>3</sup>
- ◆ Forest cover: 20.36%
- ◆ Established plantations: 61.68 million ha.
- ◆ Total carbon stock in forest vegetation: 7.811 billion tons



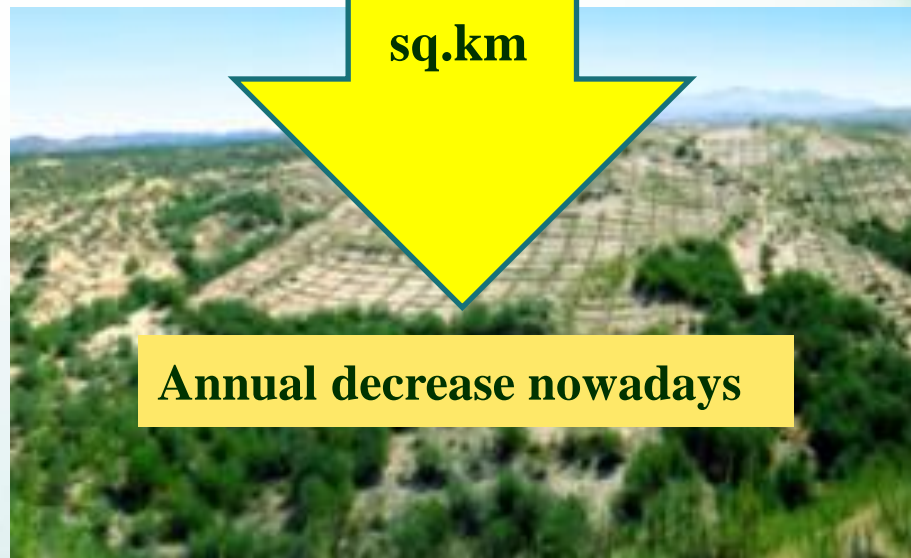
# Achievements in Combating Desertification



**3436  
sq.km**



**1717  
sq.km**



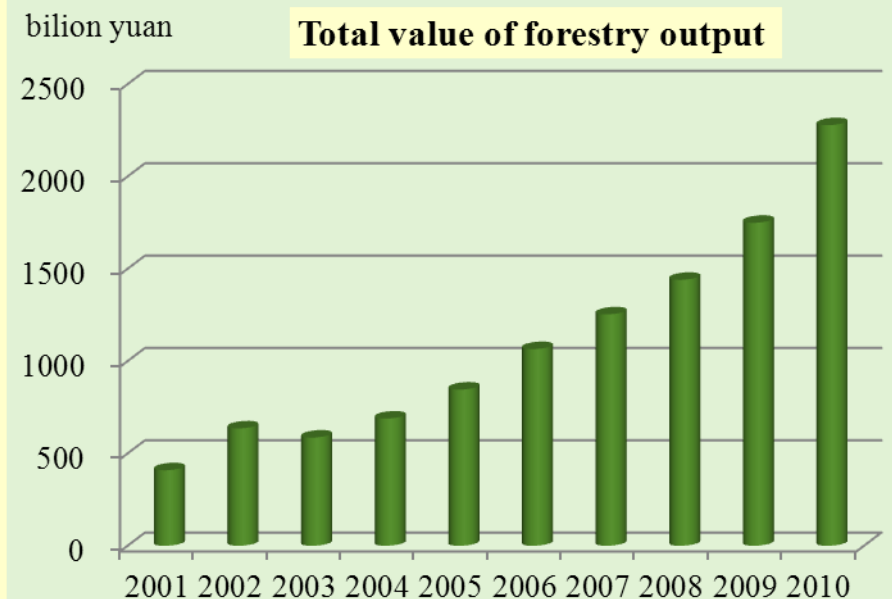
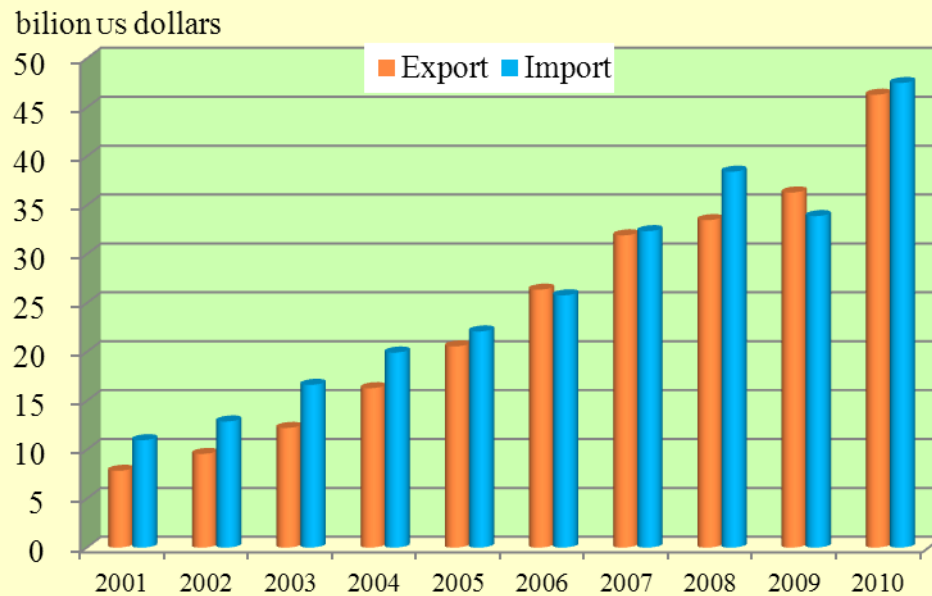
**Annual rate of expansion before 2000**

**Annual decrease nowadays**

# Achievements in Forestry Industrial Development

In 2010:

- Output value of forestry industry: **373 billion USD**
- Import and export of forest products: **90 billion USD**
- Output of rosin, Wood-based panels and **furniture 1<sup>st</sup>**



# Achievements in Poverty Alleviation & Rural Development

- **Collective forest tenure reform** contracted management rights of 173 million ha of forest land to farmer households, thus benefiting 300 million farmers' livelihoods.
- Policy-driven employment and income generation for farmers.



# Forestry Science, Technology and Education

## ❑ Forestry S&T Innovation System

- 232 forestry Scientific research institutions above the prefecture level
- 14,000 R&D Staff
- 2,638 forestry S&T promotion organizations above the county level

## ❑ Forestry Education System

- 19,000 postgraduate students enrolled in forestry
- 212,000 undergraduate and vocational and college students
- 282,000 secondary technical school students
- Over 3 million person-time training for forestry professionals and practitioners annually.



# International Cooperation

- Cooperation with more than 20 international organizations in the fields of wetland conservation, nature reserve, etc.
- More than 70 bilateral forestry cooperation agreements with over 40 countries in the field of FLEG, tiger conservation and Giant Panda cooperation, etc.



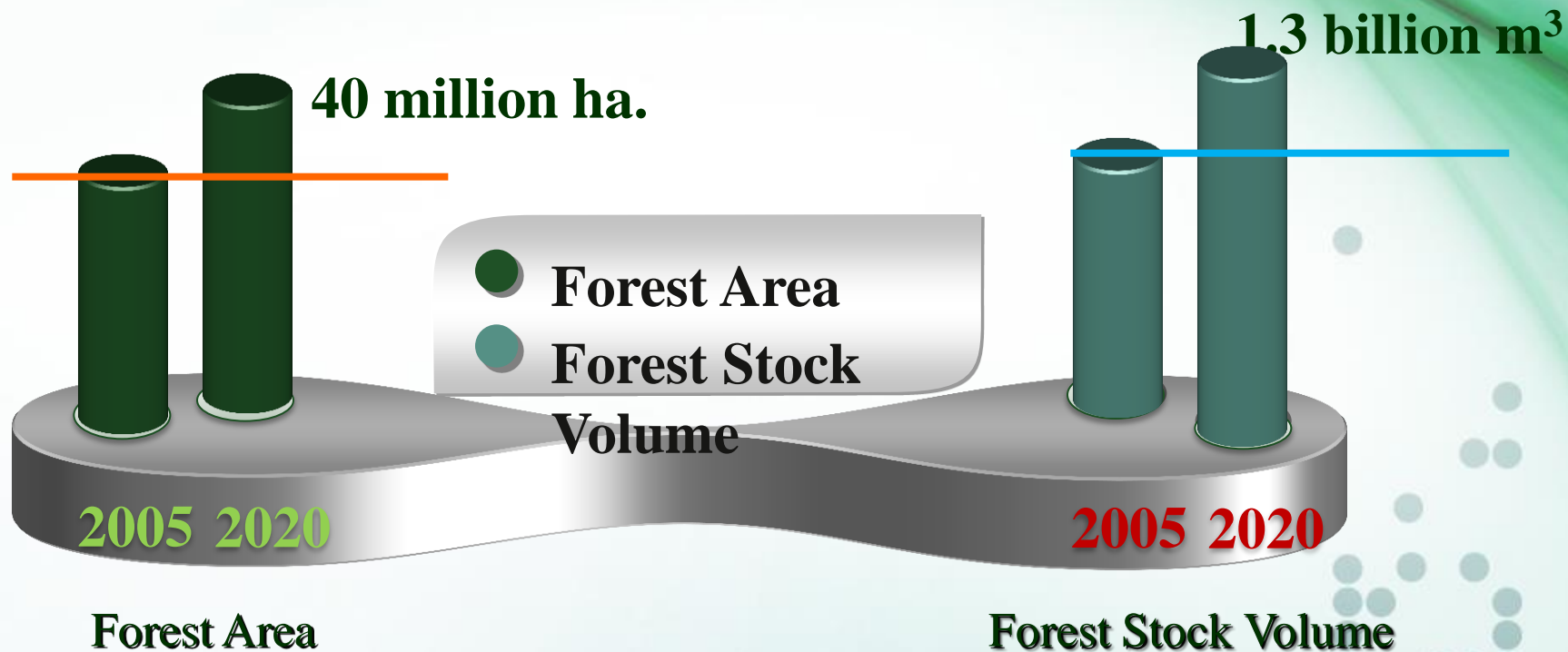
ASIA-PACIFIC FORESTRY WEEK 2011

New Challenges - New Opportunities

BEIJING | 7-11 NOVEMBER  
CHINA | 2011

# Prospects for Forest Resources Growth by 2020

By 2020, strive to increase forest area and stock volume by **40 million ha** and **1.3 billion m<sup>3</sup>** based on the 2005 levels.



# The 12th Five-year Forestry Plan (2011~2015)

- ❑ 30 million ha of increased plantations
- ❑ 35 million ha of tended forests
- ❑ 12 billion trees planted under national compulsory tree-planting campaigns
- By 2015, forest cover will reach 21.66%.
- Forest stock volume will reach over 14.3 billion m<sup>3</sup>
- Total carbon stock in forests reach 8.4 billion tons
- Gross output value of forestry industry will reach 560 billion USD.

林业发展“十二五”规划

国家林业局



# Thank You !

[www.bjfs.org.cn](http://www.bjfs.org.cn)

