

Study on Processes of Forestry Research Project Management

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About China



China: 20 neighboring countries

GDP: 11.9 trillion USD (2013)

Nation area: 4.6 million mi²

Population: 1.3 billion

Nationality: 56 (Han 92%)



Topography: Plains, hills, and mountains

Capital: Beijing ★

Hometown: Inner Mongolia ○

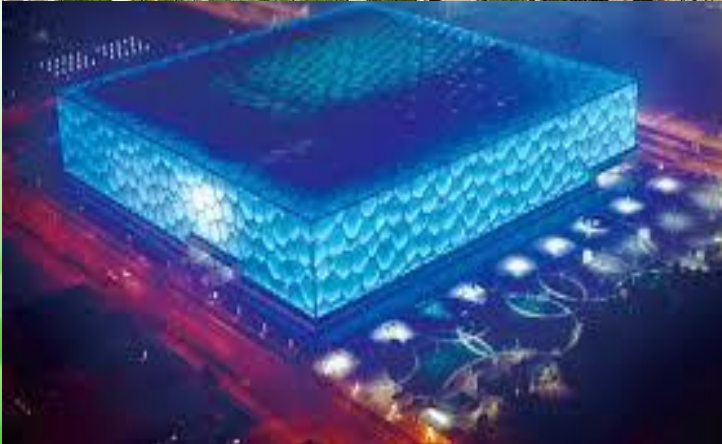


Traditional Landscape

Forbidden City - Beijing



Beijing's Modern Landscape



Water Cube

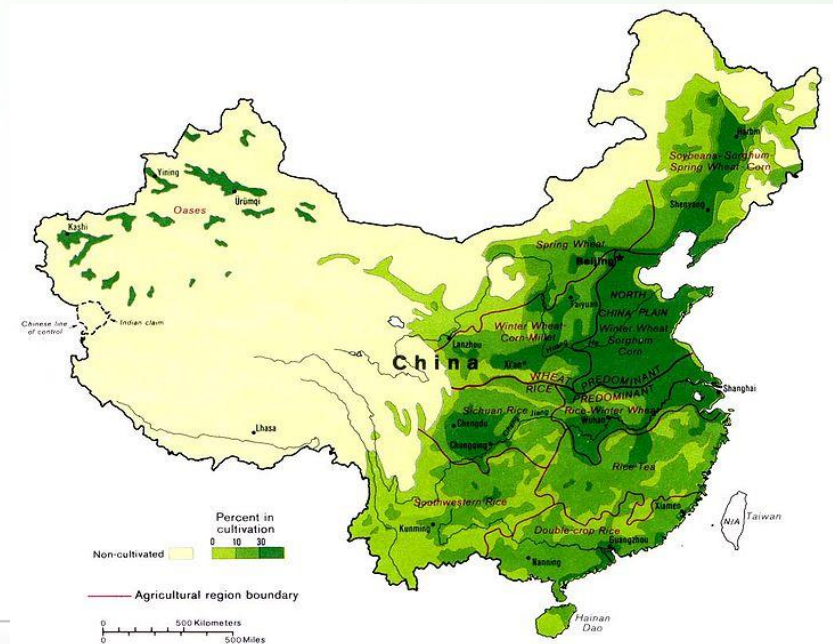
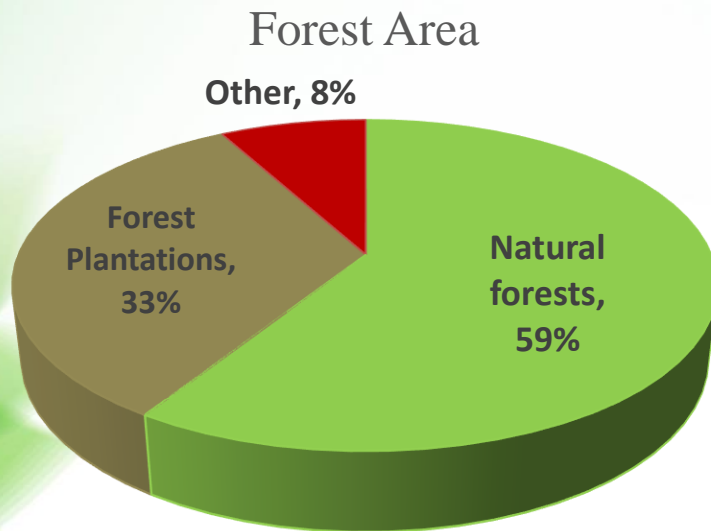


National Grand Theatre

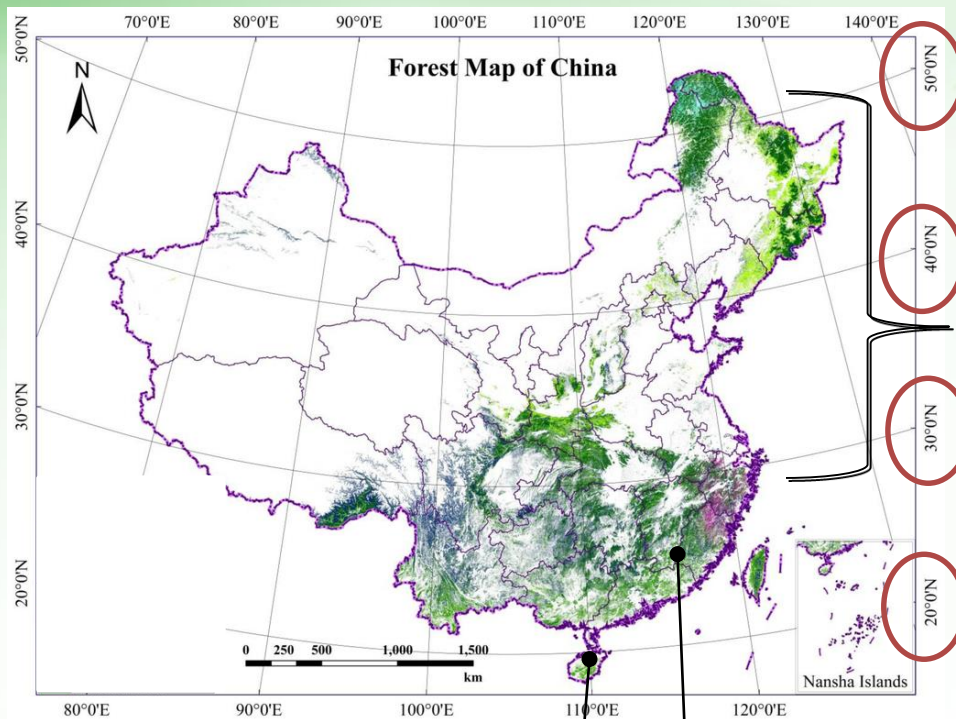


Forest Resources

- Nation land area: 3.7 million mi²
- Forest area is 0.8 million mi² - 22% (512 million acres)
 - Natural forests - 59% (302 million acres)
 - Forest plantations - 33% (171 million acre)



Forest Types



72%

Temperate forest



Tropical Forest



Subtropical forest



Forestry Ownership

State and Local Ownership

State-owned Forests
(42%)

State-owned Forest Enterprises

State-owned Forest Farms

Collective Forests
(58%)

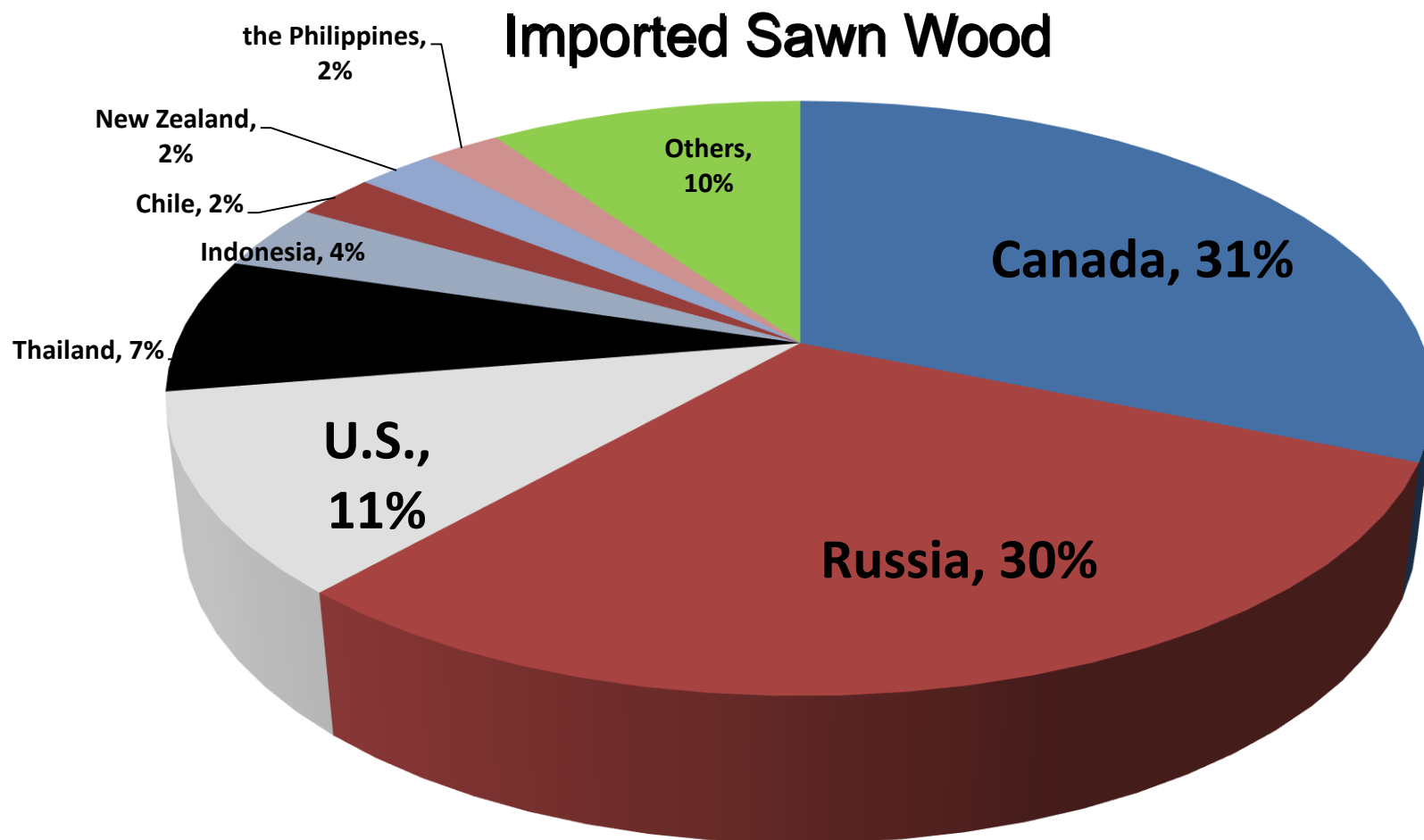
Collective Forest Farms

Individual Forests or Woods

- State owned forests: natural areas, reserves, and some plantations
- Collective forests: plantations and second-growth forests
- ✓ Individuals can lease/ concession collective forest from local villages for a 70 year lease without changing forest properties

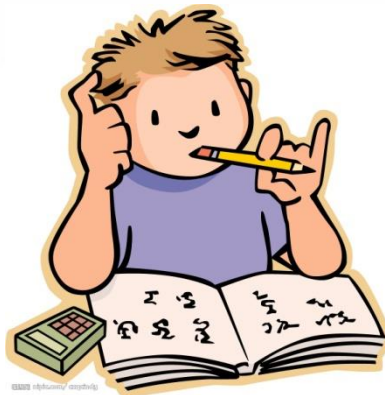


Forestry Policies and Trade

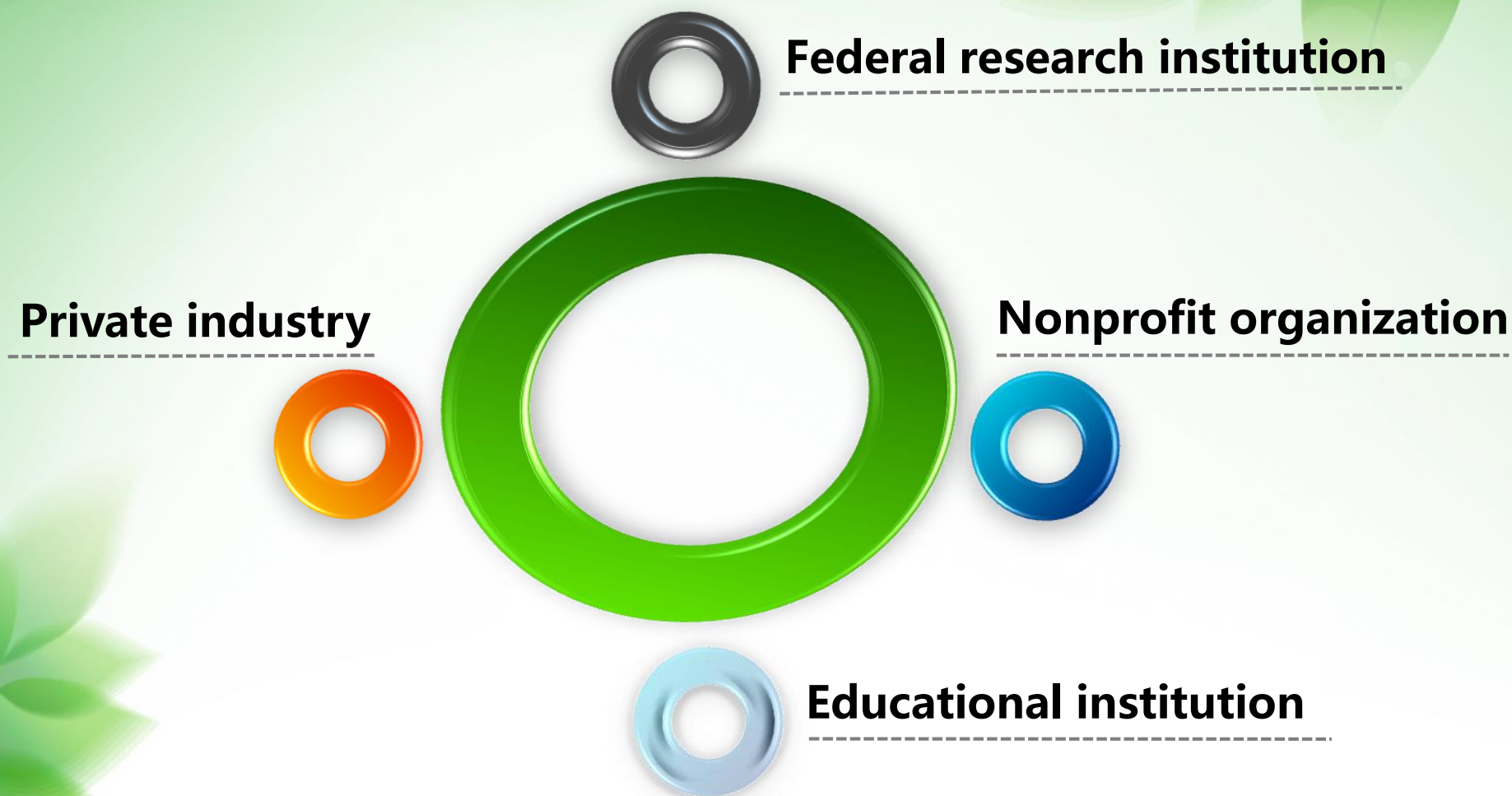


Project Background

- China is reforming its science and technology systems, one of them being forest scientific research
- The Chinese Academy of Forestry tasked me to learn about U.S. forest scientific research project management practices



US Scientific Research Institutions



Management Department Responsibilities



Manage:
Scientific projects



Report:
Annual science
accomplishments



Craft:
Medium and long term
strategic frameworks



Research Project Management Processes



Project Application

1. www.Grants.gov
2. Sends direct RFPs to researchers

A

B

Check budget



Project Implementation

Check budget

Time:

- Once /yr.
- 3 times / yr.

Budget adjustment

Time:

Anytime during the project implementation

Budget warning

Time:

3 months before the end of the project

Budget monitoring is a very important part of the work of a project administrator



Project Completion



- ☐ Project falls behind
 - Project delay
 - NO additional funding



- ☐ Project finishes on time
 - Collect data for reporting
 - Encourage continuing research



Summary of Findings

Research Management Processes are similar between China and the US.

Differences:

➤ In the US:

- Non-profits and private industry fund research as well
- Government has a centralized location to post RFPs

➤ In China:

- When researcher does not publish results, he/she is punished for 3 years by not being able to apply for another project



Take Home Lessons



Concept

- ✓ Equality
- ✓ Efficiency – On Time
- ✓ Customer Service
- ✓ Long term Strategic Planning

Experience

- ✓ Don't interfere with the scientist's research content
- ✓ Follow the scientific method



Acknowledgements

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Hope WFC is better and better

