



**Promotion of Non-wood Forest Products
in Guangxi Autonomous Region, China
based on Sustainable Community
Development**

Xiang Dongyun
Guangxi Forestry Research Institute
Email: xianggfri@gx163.net
Tel: +86-771-333 2284

Main content

- **Briefing project**
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- **Experience**
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1. Briefing project

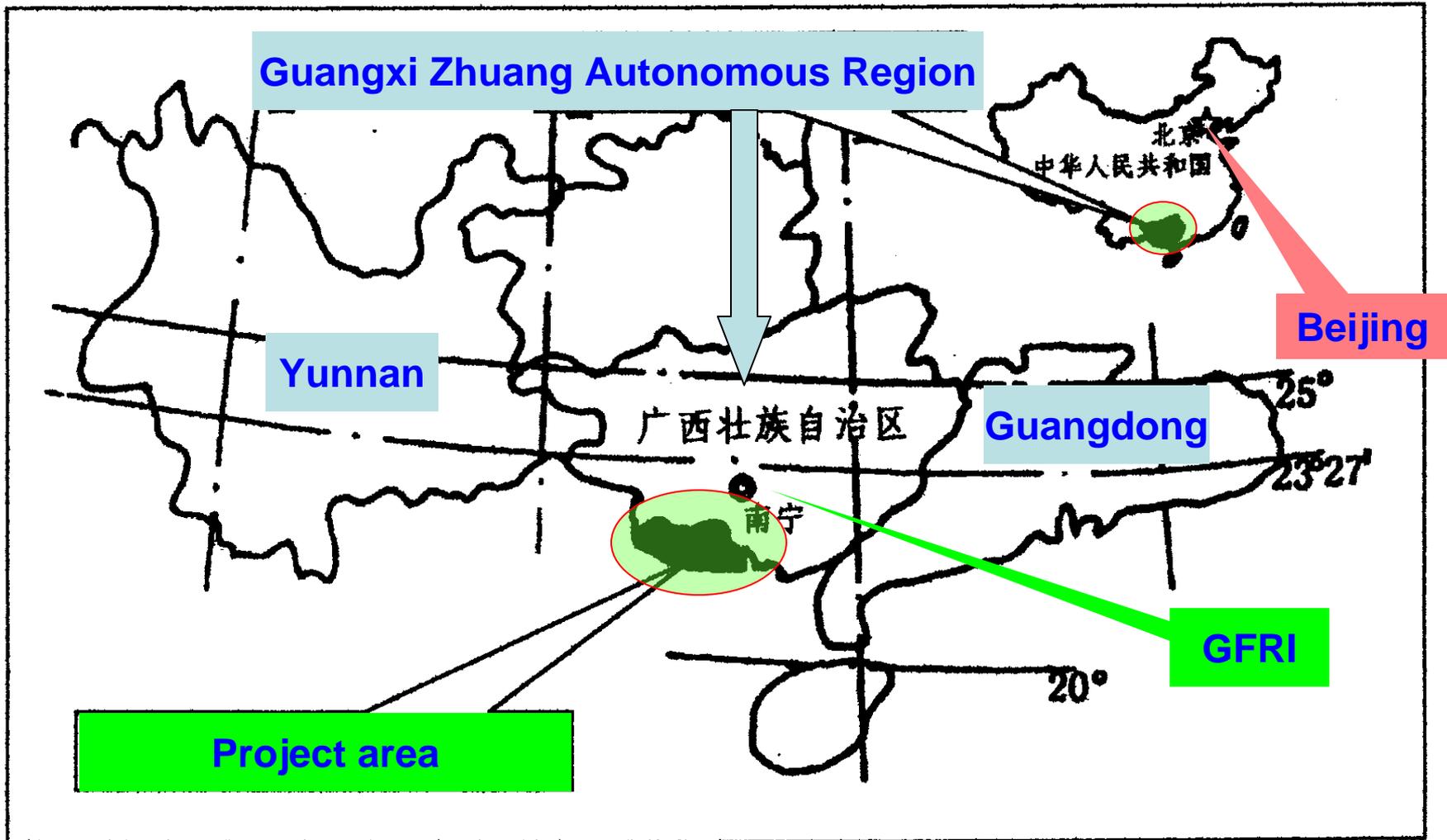
Project: Promotion of tropical NWFPs based on sustainable community development, Guangxi, China
PD 73/01 Rev. 5 (I,M)

Executive agency:

- (1) Guangxi Forestry Research Institute (GFRI)
- (2) Research Institute of Forestry Policy and Information, Chinese Academy of Forestry (FIRI of CAF)

Duration: 36 months (2005~2008)

Location of Project Area



Project objective

Development objective:

Promote the development of NWFP in tropical forest area, Guangxi, China on sustainable bases, increase income of local community and decrease pressure on natural forest so as to make contribution to sustainable tropical forestry development

Specific objective:

Promote local community to participate in sustainable management and utilization of NWFP such as Star aniseed, Cinnamon and pine rosin

Main output of the project

- **Make survey of resource, utilization and marketing of NMFP in tropical area of Guangxi**
- **Establish demonstration of NWFP production, Farmer's Field School and web site of NWFP**
- **Enhancement of capacity building of community for management of NWFP**

Basic information of Guangxi

Area: 236,000 km²

Population: 49,250,000

Minority: 11

Minority Population: 18,520,000

Brief introduction of forestry of Guangxi

Forest resource

Total forest area: 12.5333million ha
forest coverage: 52.71%
total stock volume: 480 million cubic meters;

Forest plantation of 5.1556 million ha, ranking the first in China

Forest for NWFP: 2.1347 million ha, top in China

Abundant NWFP of Guangxi

- **Bamboo, Rattan**
- **Natural medicine**
- **Pine rosin**
- **Nut**
- **woody plant for oil**
- **woody plant for perfume**
- **flower, fruit**
- **bee honey, edible fungi**
- **eco-tourism**
- **Etc.**



Three important NWFP are chosen for the project

- **Star aniseed tree**



**Area: 323,000 ha,
annual yield: 78,000
ton, more than 85% of
total country**

Anise Starseed processing

Product: seed、oil; for perfume used in food processing, cosmetic etc. **extraction:** Shikimic acid, material for medicine effective to control bird flue



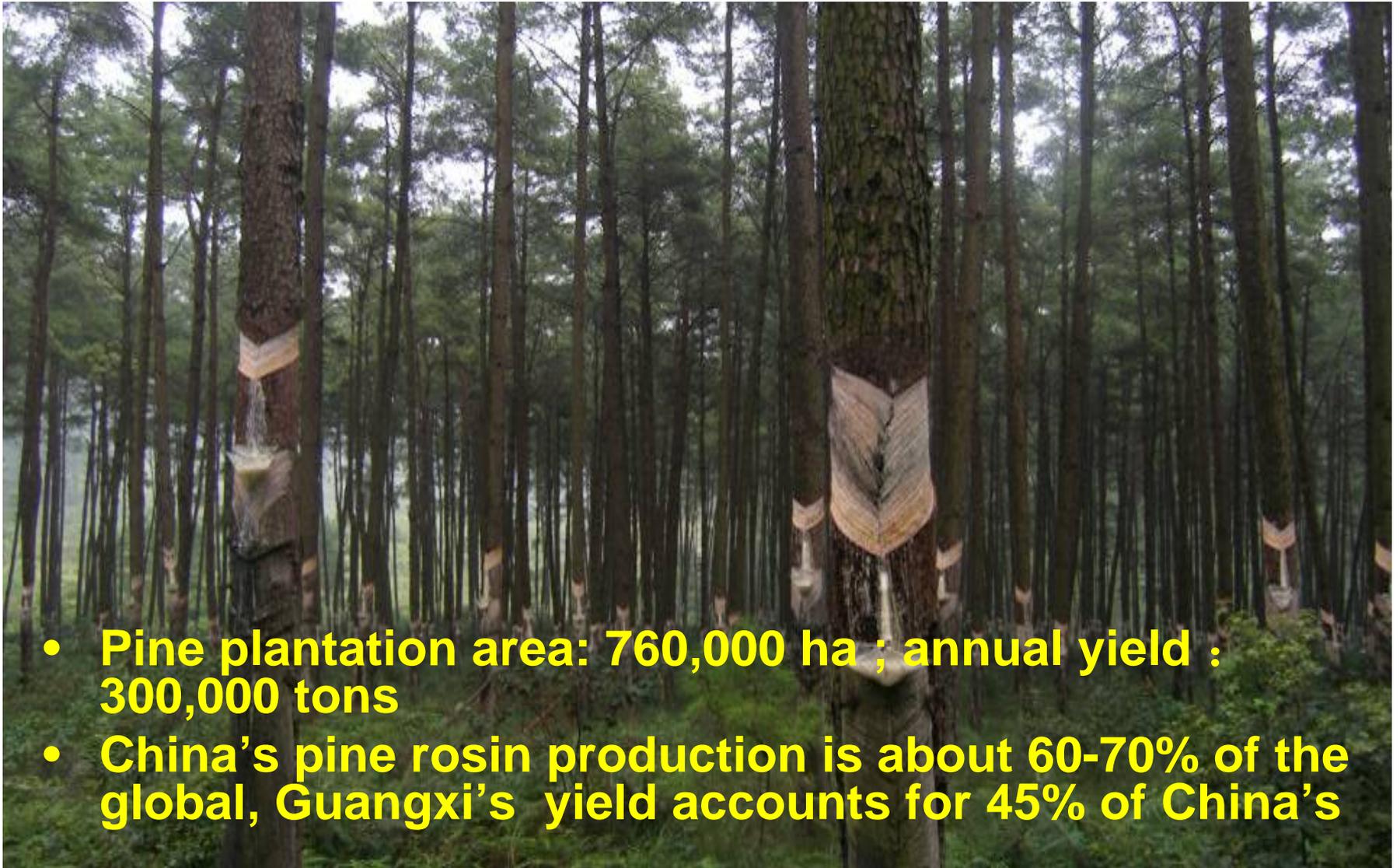
Cinnamon plantation area: 155,000 ha



**Cinnamon product: bark---traditional medicine,
perfume;
oil---perfume, soft drinking like Coco cola**



Pine rosin



- Pine plantation area: 760,000 ha ; annual yield : 300,000 tons
- China's pine rosin production is about 60-70% of the global, Guangxi's yield accounts for 45% of China's

Product: pine resin, turpentine etc.

widely used in paper making, medicine manufacture and etc.



2. Project achievement



(1) Complete field survey on Star aniseed, cinnamon and pine rosin resource, including distribution, area, yield and etc.



(2) Nursery establishment of Star aniseed, cinnamon and pine tree species

Pine: a nursery of 2 ha is in Guitai town, Qingbei district;

Star aniseed: a nursery of 2 ha is in Paiyangshan forest farm;

Cinnamon: a nursery of 2 ha is in Fulong township, Fangcheng district



(3) Demonstration of Star aniseed, cinnamon and pine tree high yield Plantation : Total plantation of 100 ha for demonstration is established in Ningming county, Guitai town, Nanping township of Shangsi county, Fulong township of Fangcheng district





(4) Complete survey on production, processing and market of Star aniseed, cinnamon and pine rosin



(5) Training for local community

Increase awareness of participation, enhance capability of managing NWFP







FFS have been set up in Yao nationality township, Nanping, Shangsi county; Fulong township, Fangcheng county; tongmian township, Ningming county

上思县汪乐村
田间学校

2006 12 9

(6) workshop

- **“Workshop on tropical NWFP and sustainable community development” was held in November 20-24 in Nanning city, capital of Guagnxi. 138 participants from Ministry of Commerce , State Forestry Administration, Chinese Academy of Forestry, the relevant governmental department, forestry bureau of province, region and county, university, forest farm, manufacture factory, local community, Thailand and Viet Nam.**
- **The platform for exchanging sustainable NMFP management on bases of community**

业科学研究院成立50周年

热带地区非木材林产品与社区发展国际研讨会

INTERNATIONAL SEMINAR ON TROPICAL NON-WOOD FOREST PRODUCTS AND COMMUNITY SUSTAINABLE DEVELOPMENT

21st-23rd NOVEMBER 2006, NANNING, CHINA





Participants from Thailand and Viet Nam



(7) web site on NWFP has been set up

<http://www.nwfps.com>

3. Experience from project

(1) Main community model

① *State-owned forest farm*

Forest farm staff; state land ownership; staff contract; fund is provided by forest farm, product is purchased by forestg farm

Example: total income of pine resin is 3.6 million yuan, average income per capita is 21000 yuan.

② *Village community*

Household; collective-owned land; managed by household; fund from bank; product sale by household itself.

Example: Wangle village of Shangsi county, 1230 persons, annual income per capita is 2800 yuan, 70% of which is from Star aniseed, cinnamon and pine resin

③ *Company + household*

Fund, seedling and technology from company;

Land, labor from household;

Product is purchased by company



**Comfortable life for many villagers in anise startree
and cassia tree planting area, Guangxi province**



(2) Community forestry development in Guangxi

Advantage

- **Rich forest land resource, 80% is of collective-owned**
- **Clear forest property ownership; clear management right; management duration of 70 years**
- **Abundant NWFP resource, short rotation, income increase**
- **Development model diversity**

Main problem

- **Low technological management**
- **Weak fund support, insufficient input**
- **Weak awareness of product brand, lack of high value added, low income**
- **Short of product chain**

(3) Basic requirement for developing community-based NWFP

- **Support of government**
- **Involvement of research institution**
- **Community participation**
- **Training, demonstration, extension**

4. Extension



Extension in local province

- **Still lot of NWFP resource is not used fully.**
- **2 demonstration bases of edible fungi and bee honey are intended to set up**



Extension: to member country of ITTO and neighbor country for jointly promoting sustainable tropical forestry development

(1) Thailand

Cooperation with Chaipattana Foundation

Develop oil tea tree plantation, star aniseed tree in northern Thailand for substituting Opium planting and developing local economy .

Union of Myanmar

Mae Sai District

Doi Tung

Thailand

Mae Fah Luang District

3

Mae Chan District



Opium planting



Training in Thailand



- Present seed and seedling



Guangxi: Technology, seed or seedling, training for nursery and plantation establishment



(2) Viet Nam

- **It has been planed in Liangshan province of Viet Nam:**

Transforming low yield star aniseed plantation;

Training on processing technology and demonstration





Thank you very much!

NWFP and sustainable community development are very helpful to protect natural forest and promote tropical forestry and local economy of Guangxi.