## The artificially propagated *Aquilaria sinensis* in China

YUAN Liangchen FROM THE ENDANGERED SPECIES IMPORT AND EXPORT MANAGEMENT OFFICE OF THE P. R. CHINA

(CITES Management Authority of China)

WEI Jianhe FROM THE INSTITUTE OF MEDICINAL PLANT DEVELOPMENT, CHINESE ACADEMY OF MEDICAL SCIENCES

**Member of CITES Scientific Authority of China** 

## Introduction of species for agarwood in China

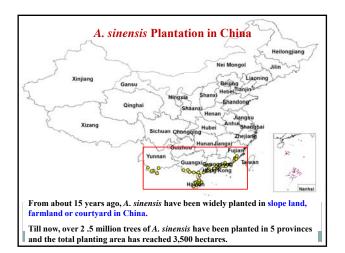
- There were two agarwood source species recorded in China, *A. sinensis* and *A. yunnanensis*. However, the main distributing and planted species is *A. sinensis*.
- According the Regulation for Wild plant conservation (Jan 1 1997), wild resource of A. sinensis and A. yunnanensis in China are under strictly protection and prohibited for agarwood induction or collection.

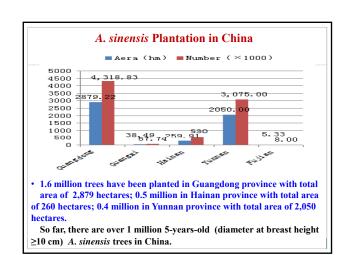






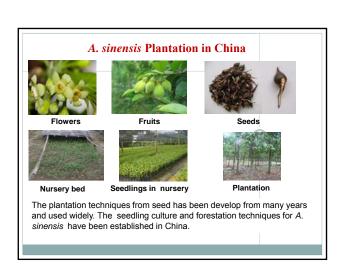






## Propagation of A. sinensis in China

- A. sinensis trees were mostly originated from seeds.
- From about 15 years ago, the plantation of A. sinensis trees originated mainly from the wild seeds.
- From about 10 years ago, almost all propagated materials originated from seeds of plantation trees, because collecting wild seeds is inconvenient, time and effort consuming.
- Seedlings germinating from the naturally falling seeds of wild trees in the original area are regarded as wild materials.
- Very few seedlings coming from the falling seeds of plantation trees were used for transplanting.
- There was almost no tissue culture plantlet application of A. sinensis in China.



## The mechanism of agarwood induction and application in A. sinensis

Prof. Wei's team, Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences and Peking Union Medical College, has made great progress in the agarwood induction mechanism study. According to the new discovery, they have established a high efficiency technique for agarwood formation, and they got a patent authorization.

Comparing to those traditional wounded methods, the new technique can improve agarwood yield dozens times or even more than100 times, and it is also of high efficiency (one person can treat a tree in 10 min). The quality of agrwood produced by the new technique was almost no difference with wild agrwood. Now the new technique have began application widely in ≥10 cm trees in China.



