Plantation Grown Agarwood
Potential and Resources
Management of Plantation

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Res.Conf. 16.10 (Artificially propagated of agarwood)

- 2 definitions: - under control conditions
  - cultivated parental stock
- The area of cultivation
  - garden
  - production plantation
  (monospecific or mixed species)

Situation of agarwood plantation in Thailand

- n/a statistic on the area of agarwood plantation
- Agarwood are planted around the country most in eastern part
- Both mono and mixed with fruit plant or rubber
- A.crassna and A. malaccencis

Objective

- To manage the potential and supply of agarwood production
- To solve the problem of agarwood farmer on cultivation, inducing the resin and trade by maintain a good liaison with organization involved
- To ensure that the export of agarwood are complied with the relevant legislation (national and international)

Electronic program of agarwood registration

Application website for CITES

Type of registration

Seedling registration
Mixed plantation
**Detail of applicant**
- Name & address of field
- Occupation and license
- Geographic coordinator
- Cultivated area

**Detail of plants:** age, size, planting distance, plant's number etc.

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**Planting distance**
- 1.5 x 1.5 m or 2 x 2 m
- 2 x 3 m or 3 x 3 m

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**Geographic coordinator database of protected area**

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**Yield of chip**

Tree 10 years: $c = 1.07$ m, $h$ (height): 9 m.

Yield = $1.07 \times 1.07 \times 9 \times 788 = 0.82$ cu m

Live weight 1 cu. m. ca 600 kg

0.92 cu. m. ca 492 kg

Dried (loose 50-60 %) 200 - 250 kg

Yield (volume) = $c \times c \times h \times 788$ cubic metre

Circumference $= \pi \times$ diameter

$= 2 \times \text{radius}$

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**Yield of oil and chip for inhale**

Dried chip 15 kg = 1-2 tola

5 % of resinous chip per volume

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**Registration steps**
- Volunteer and test program
- Public hearing to setup rule and regulation for registration
- Public relation to encourage farmers to register
- Regulated the sources of export from registered plantation
Challenge

- Decision maker
- Agarwood farmer is lack of knowledge (inducing resin, trade and legislation)
- Misunderstood about the nursery registration system

Conclusion

- The registration of agarwood plantation is guarantee that its sustainable utilization and do not disturb agarwood tree in forest.
- Benefit for management of export, the source have to come from registered plantation. Customers can directly buy from farmers, thus eliminating the problem of fraud.
- Sharing the information on registration system of agarwood with other range states will be useful and benefit for agarwood farmers.

Thank you