



Alliance



# Conservation Units of *Dalbergia* species for local sustainable development in Vietnam

Tran Thi Hoa, CBB, AGI, VAAS

6 December 2021

Final virtual workshop

# Aims to to inspire you to

- recognise the importance of Forest Genetic Resources (FGR)/Rosewood
- think about genetic diversity in the context of tree management and conservation
- use our knowledge to development of conservation and management strategies for *Dalbergia* species for local livelihoods



# Outlines

1. The Distribution of *Dalbergia* spp. in Vietnam
2. Conservation Status of *Dalbergia* spp. in VN
3. An agreed set of Certification Criteria in Vietnam/ Guidelines for establishing Conservation Unit (CU): *Effective population size for in situ conservation stands*∗:
4. Establishment and maintain CUs for local sustainable development

**∗ Conservation Unit Certification in VN::**

- Area of FGR-CU should be “Commune” boundary for ensuring ownership and management control;
- At least 150 and preferably more than 500 interbreeding individuals for wind pollinated species as rule of thumb in an area of 50 to 100 hectares-in both natural ecosystem, semi-natural (networks of home gardens) and on-farm of commune boundary

# The Distribution of *Dalbergia* spp. in Vietnam

- Central Highlands, Southeast and South Central (from Khánh Hoà).
- **National park & Nature reserve:** Yordon, Chuyangsin, Chumomray; scatter individuals in Cat Tien; Lò gò Xa Mát (Tây Ninh), Bù Gia Mập (Bình Phước)





# The Distribution of *Dalbergia* spp. in Vietnam

- **Farms:** Ninh sơn, Cà Ná (Ninh Thuận), Núi Dinh (Bà Rịa-Vũng tàu), Chứa Chan (Đồng Nai (scatter individuals, farmers interviews and inventory: NO MORE at present)





# The Distribution of *Dalbergia* spp. in Vietnam: Where the populations remain?

- **National parks:**
- Yordon
- Chuyangsin
- Chumomray





# The Distribution of *Dalbergia* spp. in Vietnam: How large the population are?

- 10 to 100 trees (10-40 yrs and young ages):
- Yordon NP(moved from forest to the arboretum for ecotourism)
- Chuyangsin NP: scattered individuals of young ages (several km between trees)
- Chumomray: 3 populations remained





# The Distribution of *Dalbergia* spp. in Vietnam: How large the population are?

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**Searching for scatter ind./CYS station #10**





# Set of Certification Criteria for the CU

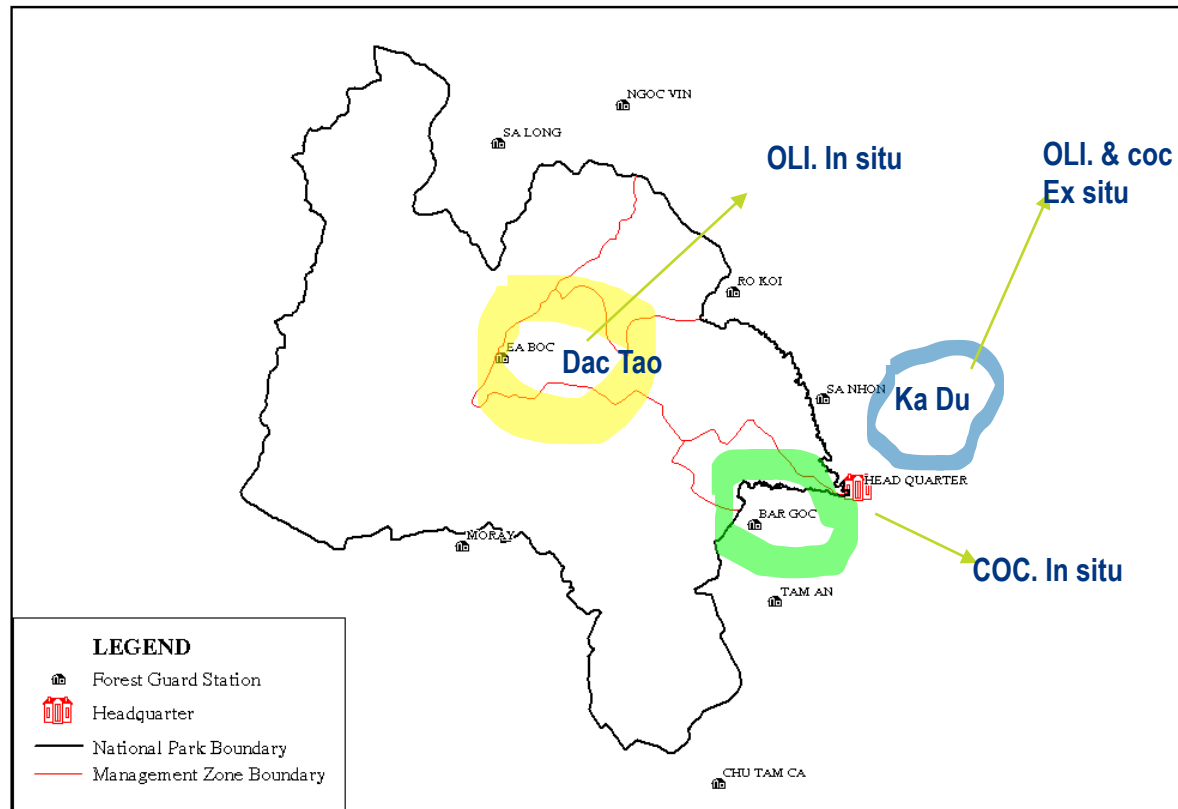
An agreed set of Certification Criteria in Vietnam/ Guidelines for establishing Conservation Unit (CU): *Effective population size for in situ conservation stands\**:

**\* Conservation Unit Certification in VN::**

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# Establishment and maintain CUs





# Establishment and maintain CUs for local sustainable development



**In situ CU for Trắc (*D.cochinchinensis*): 30ha; Approx no trees: 300  
(15yrs/10trees)**

# Establishment and maintain CUs for local sustainable development



**In situ CU for *D.oliveri*: 30ha; Approx no trees: 500 (20yrs/20trees)**



# Establishment and maintain CUs for local sustainable development



**Ex situ CUs for *D.cochinchinensis* (150 trees)& *D.oliveri* (60 trees): 3ha**

# Establishment and maintain CUs for local sustainable development

## Activities in CUs:

- Field survey for completing the CUs and protection
- Seed collections: 1000 *D.oliveri* in Y3 and Y4; 300-400 *D.cocchinchinensis* in Y3
- Training for seed selections for farmers and staffs (7 trainings/Y2,Y3,Y4)
- Marketing the seeds of *Dalbergia* sps.: collaboration with FGR center and Private Nurseries
- Disease control measures
- New nursery establishment at CMR np to strengthen the seed sources



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# Establishment and maintain CUs for local sustainable development

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**Thank you**

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RESEARCH  
PROGRAM ON  
Forests, Trees and  
Agroforestry