



# Agroecology landscape for resilient KIM BOI – HOA BINH

# OBJECTIVE

- Ecological agricultural landscape restored in 02 communes of Hop Tien and Tu Son
- Experience in establishing agro-ecological landscapes is reviewed/integrated into development programmes and implemented by governments at all levels



## 04 PROBLEM SOLVED

- ❖ **Unsustainable livelihoods of ethnic minorities in the project area.**
- ❖ **Low yield.** excessive land exploitation; improper production structure; Lack of by-product treatment solutions in agriculture; Impacts of natural disasters, climate change.
- ❖ **Limitations in market access and value chains.**
- ❖ **The support system for local farming is ineffective.**

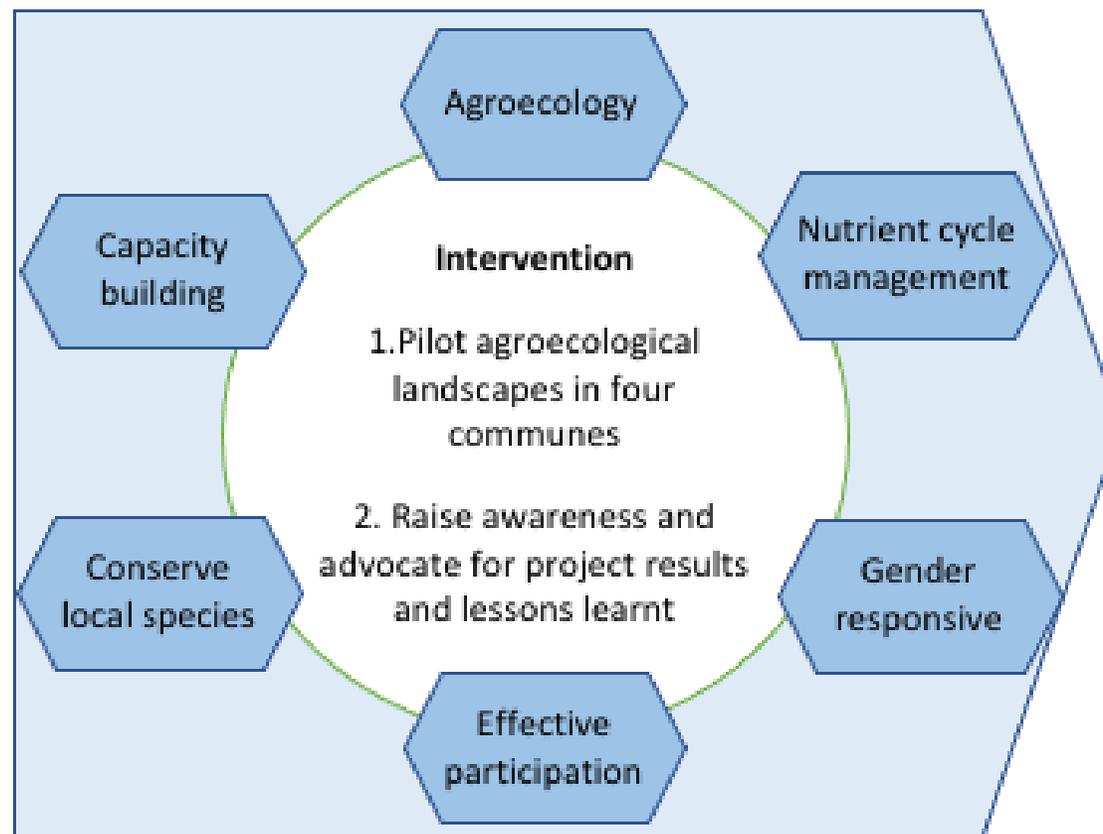


## PROJECT THEORY OF CHANGE

Social economic and political environment; Climate change; infrastructure; local culture; biophysical conditions

### Key problems

- Unustainable livelihood of local poor ethnic minorities
- Degradation of ecosystem
- Low agriculture productivity
- Limited recognition of local knowledge and participation in decision making
- Predominance of monocultures
- Poor access to market
- Lack of coping strategies related to climate issue



### Expected results

Agriculture landscapes were implemented by both ethnic minority men and women in 4 project communes  
 Lessons of the project from the development of agroecological landscape models are reflected in local/central policies and implemented by authorities at all levels

### Expected impacts

Agroecology contributes to build and maintain resilient landscapes with environmental-friendly livelihoods of local poor ethnic minorities in the Northwest region of Vietnam.

# PROJECT APPROACH

- **Agroecological Landscape**
  - Landscape establishment of multi-tiered agroforestry systems.
  - Diversify sources of income
  - Capacity building, access to information
- **Conservation of native species**
  - Development of native species in agroecological landscapes
  - Promote local brand development
  - Raising public awareness of native species
- **Capacity building**
  - Capacity to access and develop markets
  - Cultivation, harvesting, processing techniques.
- **Gender responsiveness**
  - The specific needs and abilities of male and female farmers are studied and met.
  - Promoting Women's Representation and Participation



# IMPLEMENTATION METHODS

- **Survey of local socio-economic characteristics on:**
  - Gather information on agroforestry practices for sustainable landscape development.
  - The situation of pests and diseases
  - Indigenous knowledge related to farming, natural resource management
  - Gender characteristics focus on resource access and decision-making
- **Research market opportunities for local products**
- **Assessment of climate risks**
- **Co-benefit Assessment of Climate Change Mitigation in Agroforestry Systems in Conjunction with Smallholder Farmers and Carbon Sequestration Estimation**
- **Discuss with the community pilot options to develop agro-ecological landscapes suitable to the topographical conditions, interests and income streams of each household**
- **Establish an ecological agricultural landscape suitable for each locality.**
- **Improving the value chain of products from the ecological landscape**

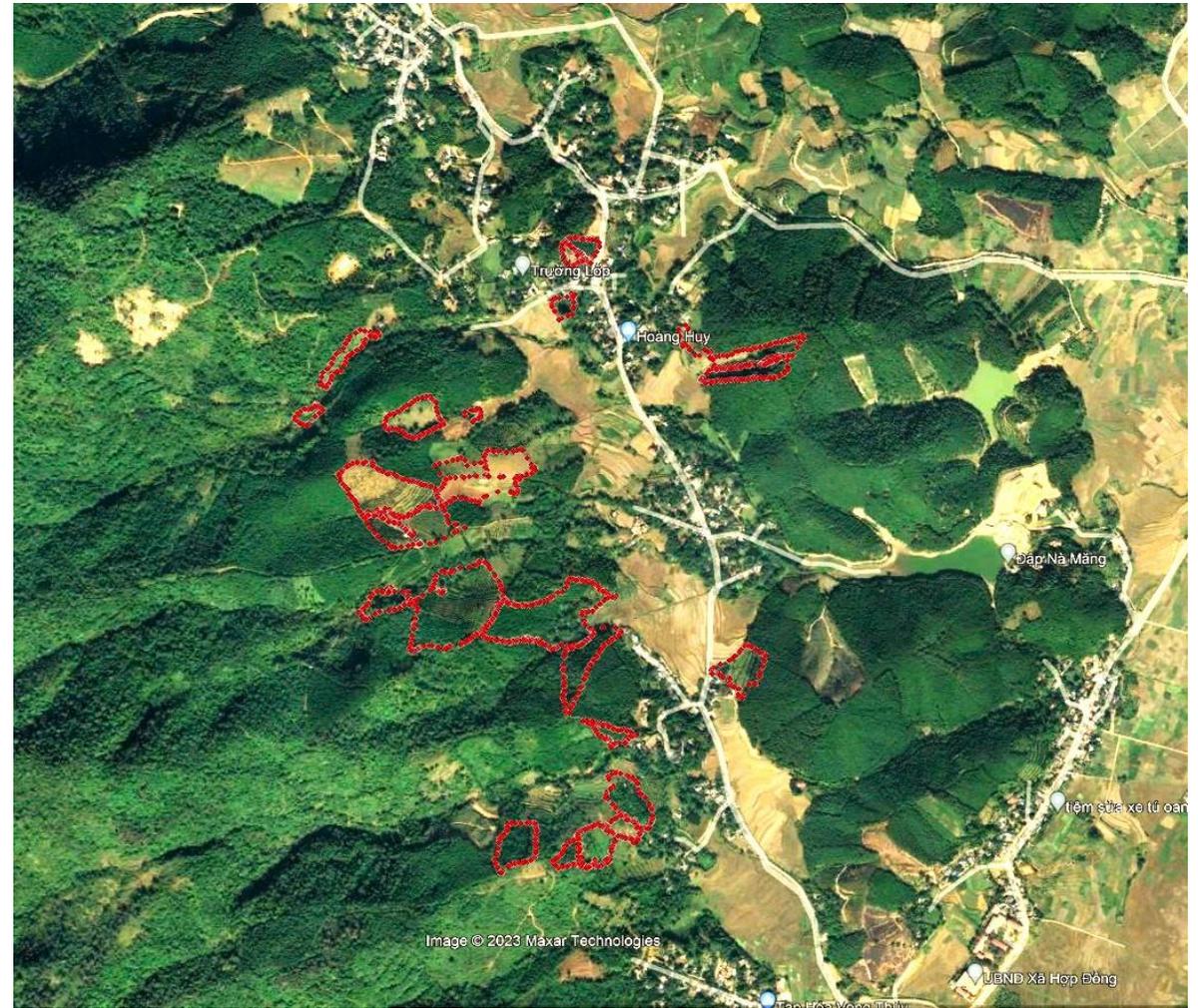
# AGROECOLOGICAL LANDSCAPE

## Landscape 1

### Forest Trees - Fruit Trees - Grasses - Plants Under The Canopy

In Sim Trong Village- Hop Tien Commune

- Landscape Area: 30.22ha
- Number Of Participating Households: 43
- Models In The Landscape
  - **Michelia Tonkinensis- Canarium tramdenum - Plants Under The Canopy- Grass- Cattle**
  - **Michelia Tonkinensis- Canarium tramdenum - Fruit Trees- Grass- Cattle**
  - **Fruit Trees- Michelia Tonkinensis-/ Canarium tramdenum -beekeeping**
  - **Michelia Tonkinensis- Canarium tramdenum- Mixed Garden - Poultry**
  - **Acacia- Michelia Tonkinensis- Canarium tramdenum**



# AGROECOLOGICAL LANDSCAPE

## LANDSCAPE 2

### Forest Trees- Garden- Medicinal Herbs Under the Canopy

- In Ha Son village - Tu Son commune
- Landscape area: 19.5ha
- Number of participating households: 45
- Models in the landscape
- **Mixed Garden- Michelia Tonkinensis- Canarium tramdenum - Medicinal Herbs**
- **Michelia Tonkinensis- Canarium tramdenum - Medicinal- Lemongrass**
- **Fruit trees- Michelia Tonkinensis- Canarium tramdenum - Lemongrass**



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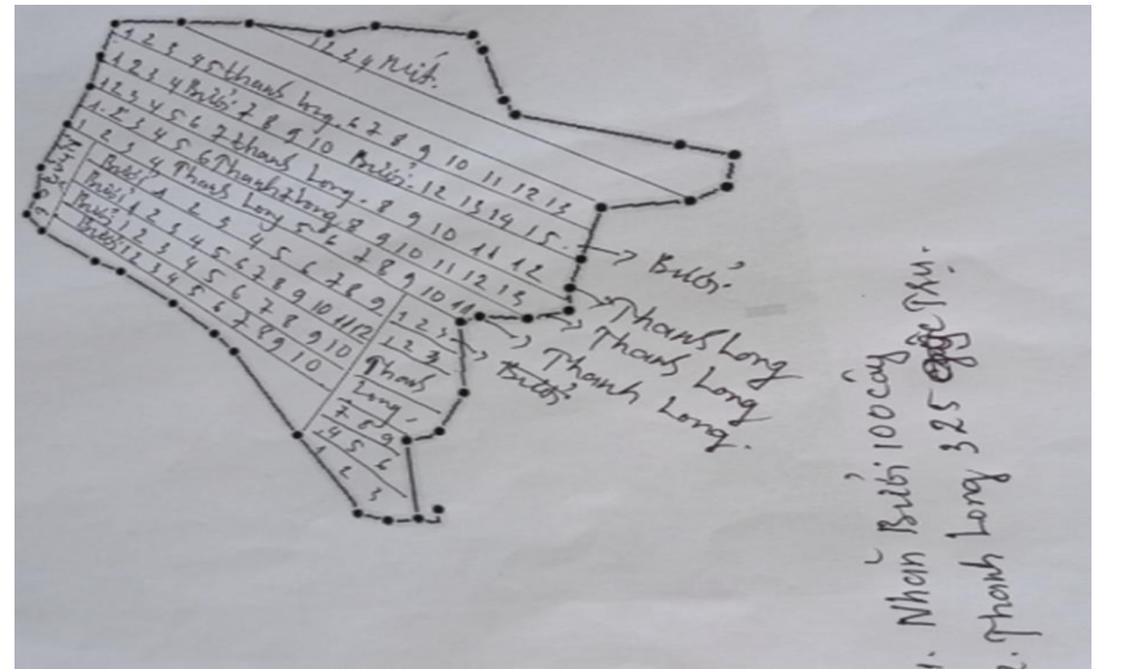
# Establishment of agroecological landscapes

- Survey the current state of the landscape.



# Establishment of agroecological landscapes

- Envisaged landscape design (household and community level production systems) with community involvement



# Establishment of agroecological landscapes

- Technical and material support for establishing/improving production models and agroecological landscapes



# Establishment of agroecological landscapes

- Integrated landscaping pest management.





# Restoration of native medicinal plants and folk remedies

## ❖ Restoration of medicinal plants

- Identify native medicinal plants in need of conservation
- Breeding and restorative planting
- Training on planting, harvesting and processing techniques
- Connecting consumption markets

## ❖ Restoration and registration of folk remedies

- Identify the remedy the community wants to restore
- Develop the area for planting plants, medicines and find sources of medicinal plants for remedies.
- Training on processing, preservation and packaging methods
- Development of packaging, labels, brand identity
- Registration of the remedy with the authorities
- Market development for products

# Community Incubator Model Development





# DEVELOPMENT OF AGROECOLOGICAL GROUPS and VILLAGE SAVINGS

## Establishment of 6 Agroecological Groups

- Develop regulations and operation plans

Organizing group meetings, communication on ecological agriculture

Visit the garden, monitor the pest situation, plant development

## Established 02 Women's Village Savings Groups

- Promoting the establishment of Hoa Sim group (Sim Trong village): 19 members and Hoa Hong group (Ha Son village): 12 members
- Formulation of regulations and operation plans
- Organize team meetings, promote initial fund building







THANK YOU !!!