

# ADB Knowledge Sharing and Experience on Climate Change, Gender Equity, High-Level Technology, and Natural Resource Management

## Two Examples from Southeast Asia Department

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# GMS Climate-Friendly Agribusiness Value Chains (CFAVC)

## Sector Project (CAM, LAO & MYA: ~\$250 million)

- ▶ **Impact:** Agricultural competitiveness in the project areas improved (reflected through enhanced *productivity*, climate *resilience*, *quality* and *safety*, *value addition* and rural *household incomes*)
- ▶ **Outcome:** *Productive* and *resource-efficient* agribusiness value chains developed in project areas
- ▶ **Outputs:**
  1. Critical agribusiness value chain infrastructure improved and made climate-resilient
  2. Climate-smart agriculture and agribusiness promoted
  3. Enabling environment for climate-friendly agribusiness enhanced



### **Climate Actions**

1. Greenhouse gas mitigation through bioenergy, biodigesters, solar energy
2. Climate resilience of cropping systems, rural and agribusiness infrastructure
3. Adaptation-mitigation synergies
4. Green finance/climate risk management

### **High level technologies**

1. Laser land levelling/solar drip irrigation for improving water use efficiency and reducing GHG emissions
2. Drought, flood and salt-tolerant varieties developed through advanced breeding methods/tissue culture
3. ICT platform for agribusiness
4. Digital technology-based ag finance

## **CFAVC Project**

### **Gender actions**

1. Job creation for women along the value chain
2. Preferential support to women-led enterprises, agric. cooperatives & agricultural production groups
3. Measures to address time poverty
4. Upgrading of skills in value addition

### **Natural Resource Management**

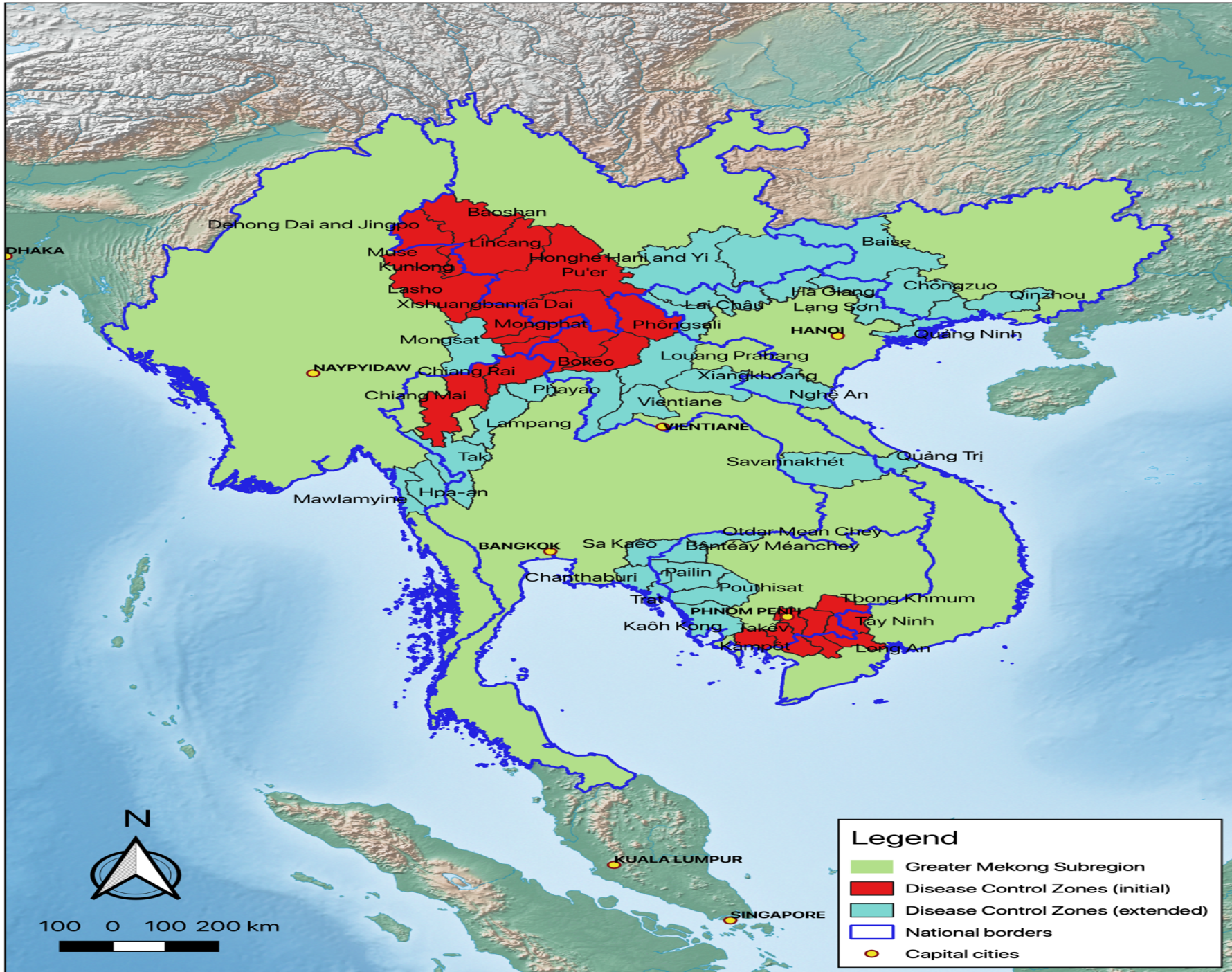
1. **Water resources** management and irrigation efficiency
2. **Bioengineering approaches** to protect farm to market roads
3. **Land administration** and land use certificates
4. **Good agricultural practices**/organic agriculture/Sustainable Rice Platform-compliance

# GMS Cross-border Livestock Health and Value Chains (CLHVC) Improvement Project (CAM, LAO & MYA: ~\$250 million)



- ▶ **Impact:** GMS vision as a leading supplier of safe and environment-friendly agriculture products realized
- ▶ **Outcome:** Health, value chains and formal trade of livestock and livestock products improved in project areas
- ▶ **Outputs:**
  1. Livestock health and value chain infrastructure expanded and upgraded in a climate-friendly manner
  2. Capacity for improved production and health of livestock and livestock products strengthened
  3. Enabling policies for better supply, health, safety and trade in livestock and livestock products enhanced





### **Climate Actions**

1. Greenhouse gas mitigation through feed/pasture-land mgmt., breeds, biodigesters, waste mgmt. facilities
2. Climate resilient breeds, livestock value chain infrastructure
3. Adaptation-mitigation synergies

### **High level technologies**

1. ICT-enabled disease control zones
2. ICT-enabled Livestock Epidemic Prevention Platform (LEPP)
3. E-traceability for livestock and livestock products

## **CLHVCI Project**

### **Gender actions**

1. Employment generation for women along value chain
2. Preferential support to women-led livestock enterprises
3. Measures to address time poverty
4. Upgrading of skills in value addition

### **Natural Resource Management**

1. Livestock waste management
2. Good livestock management practices
3. Effective natural resource management in animal disease control zones

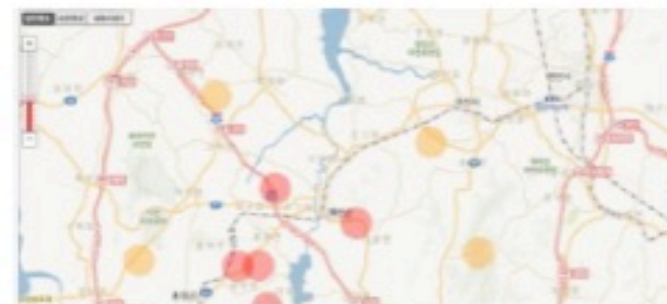
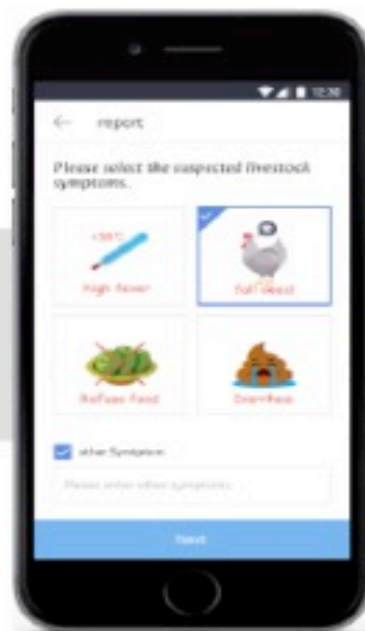


# LEPP Quarantine (Real-time reporting system)

Recognizing  
signs & symptoms

Real-Time report

Disease response



개관정보

| No | 위생도 | 농장명    | 관리번호     | 농장주 | 연락처           |
|----|-----|--------|----------|-----|---------------|
| 1  | 신안  | 유미 농장  | 12345678 | 홍길동 | 010-1234-5678 |
| 2  | 신안  | 홍길 농장  | 23456789 | 김철민 | 010-2345-6789 |
| 3  | 신안  | 박지현 농장 | 34567890 | 정민준 | 010-3456-7890 |

PAHPO

VAHW

District  
governor

Provincial  
governor

PAHPO: Provincial Animal Health and Production Office  
VAHW: Village Animal Health Workers

*Report symptoms and  
pictures of susceptible  
animal through  
smartphone app*

*Quarantine inspection by  
local government and  
related organizations.*



Livestock  
Farmer



Local  
Veterinarian

local head,  
local drug  
dealers,  
drug stores