

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



STRATEGY FOR PROMOTING SAFE
AND ENVIRONMENT-FRIENDLY
AGRO-BASED VALUE CHAINS
IN THE GREATER MEKONG
SUBREGION AND SIEM REAP
ACTION PLAN, 2018–2022

MAY 2018

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

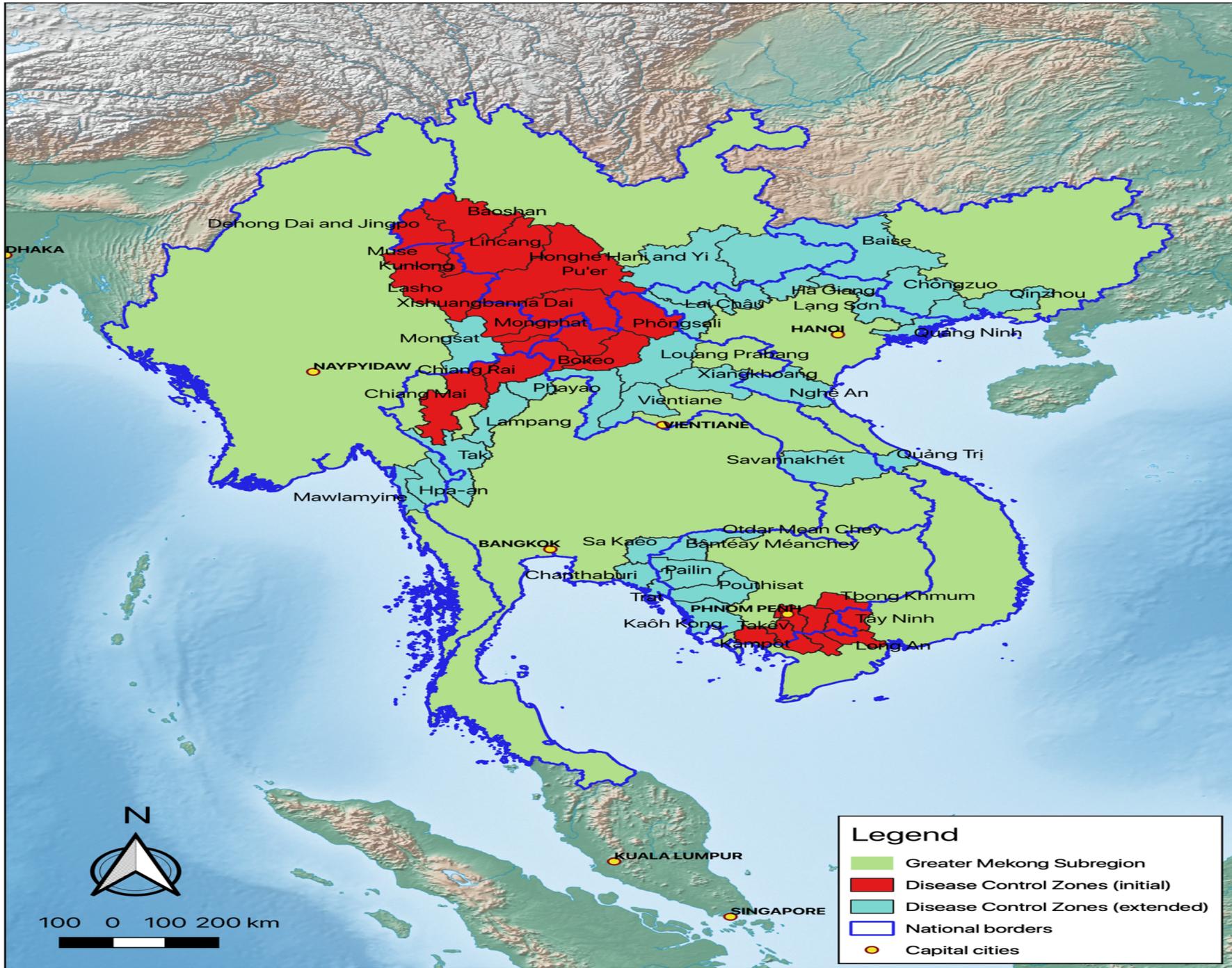
Natural Resource Management

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

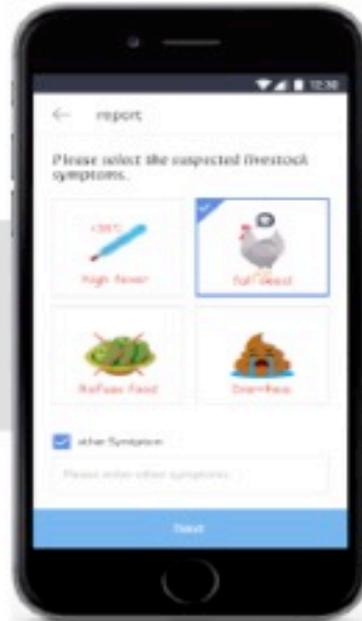
1. Livestock waste management
2. Good livestock management practices
3. Effective natural resource management in animal disease control zones

LEPP Quarantine (Real-time reporting system)

Recognizing signs & symptoms

Real-Time report

Disease response



개군정보

No.	위장도	농장명	관리번호	농장주	연락처
1	신각	유미 농장	1246672	홍문중	010-1294-5638
2	신각	홍문 농장	2310578	김국영	010-2340-6789
3	신각	연계안 농장	3456789	정문신	010-3450-7890

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