



CAMBODIA

The Lumpy Skin Disease (LSD)



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-Total domestic susceptible population: 3.43 million

- 97.11% raised in backyard systems

-Two main cattle production systems:

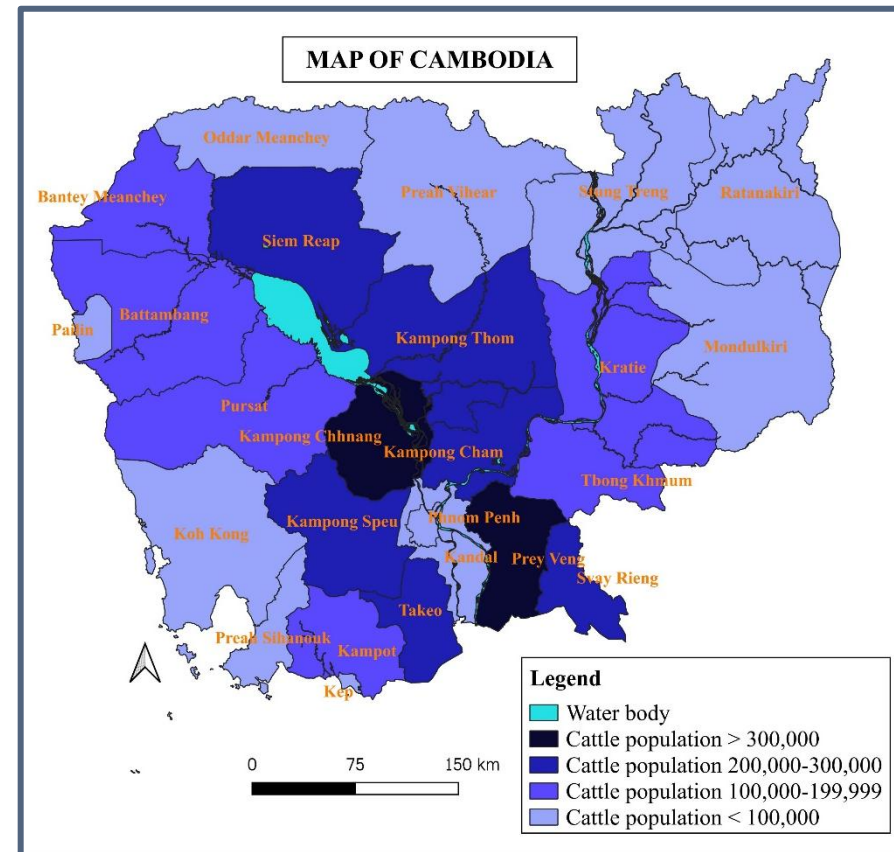
- Commercial sector:** Fattening cattle (0.097 million), buffaloes (0.0002 million), and dairy cattle (0.0017 million).
- Backyard sector:** Cattle (2.89M) and buffaloes (0.44M)

-Disease prevention and control systems:

- Legislation
- Disease surveillance and outbreak management
- Vaccination
- Bio-security measures
- Laboratory diagnosis...

-Major risks for LSD introduction:

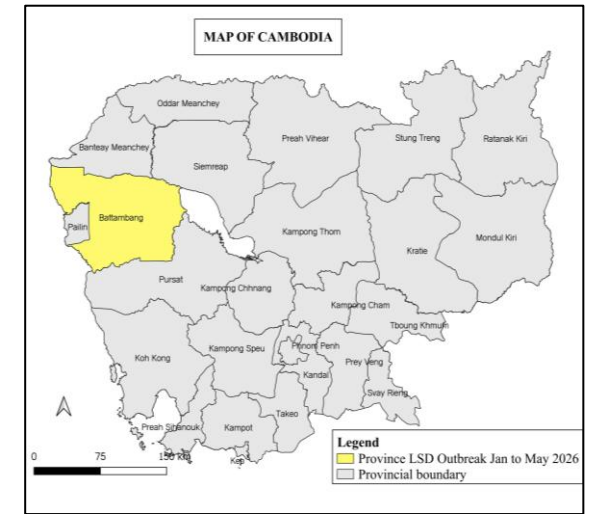
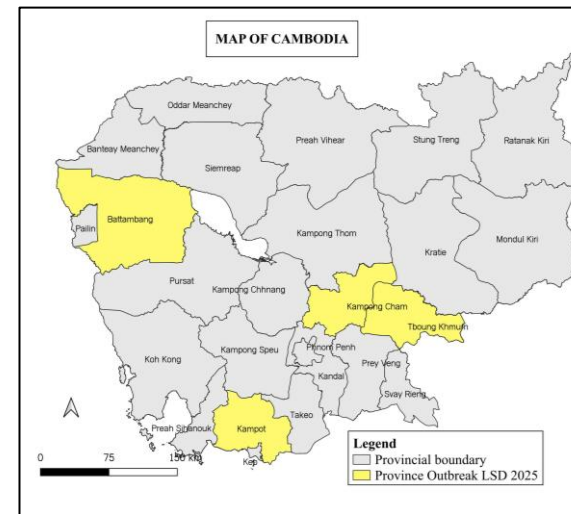
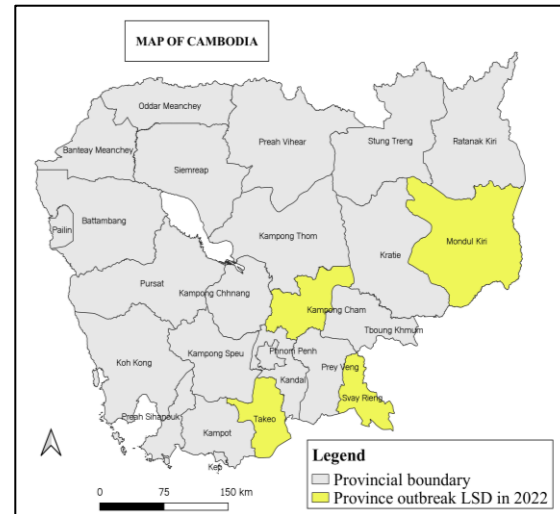
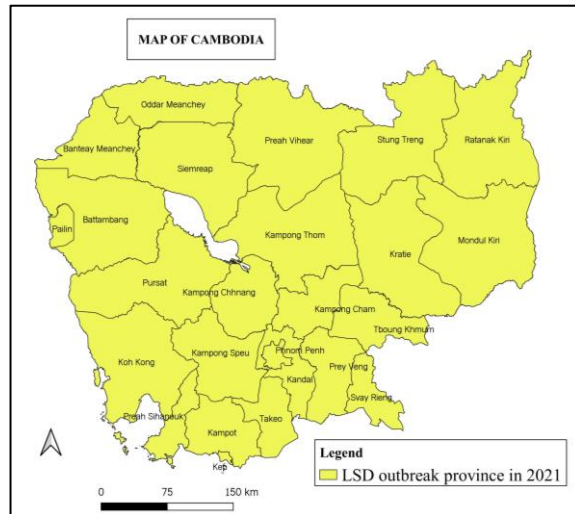
- Cross-border and illegal cattle movement
- Poor bio-security practices
- Movement of infected cattle during incubation period
- Vector-mediated introduction...





• LSD Situation in Cambodia

- First detected: May 2021 Preah Vihear and Oddar Meanchey Province
- Rapid nationwide spread following introduction
- Widespread outbreaks across the country
- Impacts on cattle populations and farmers' economies
- Sporadic outbreaks occurred in 4 provinces in 2022 and 2025.
- In the first five months of 2026, outbreaks were reported in only 1 province
- LSD-affected species in Cambodia: cattle, buffaloes and Banteng

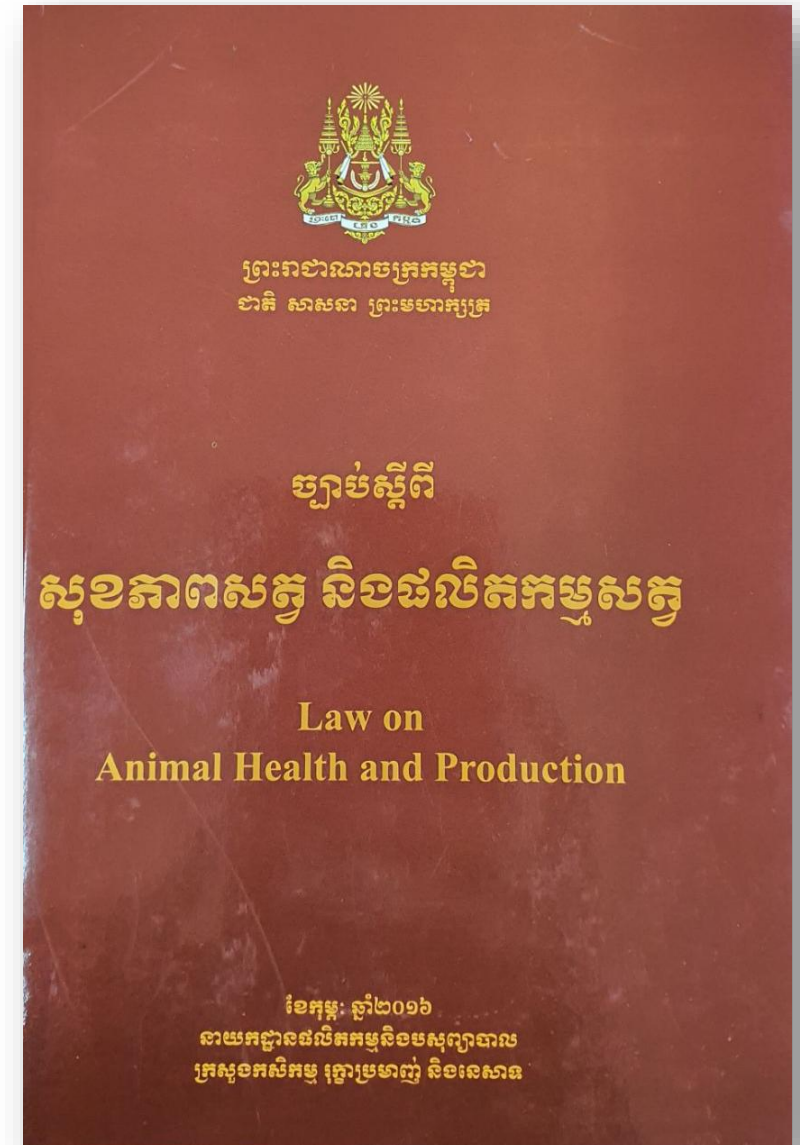
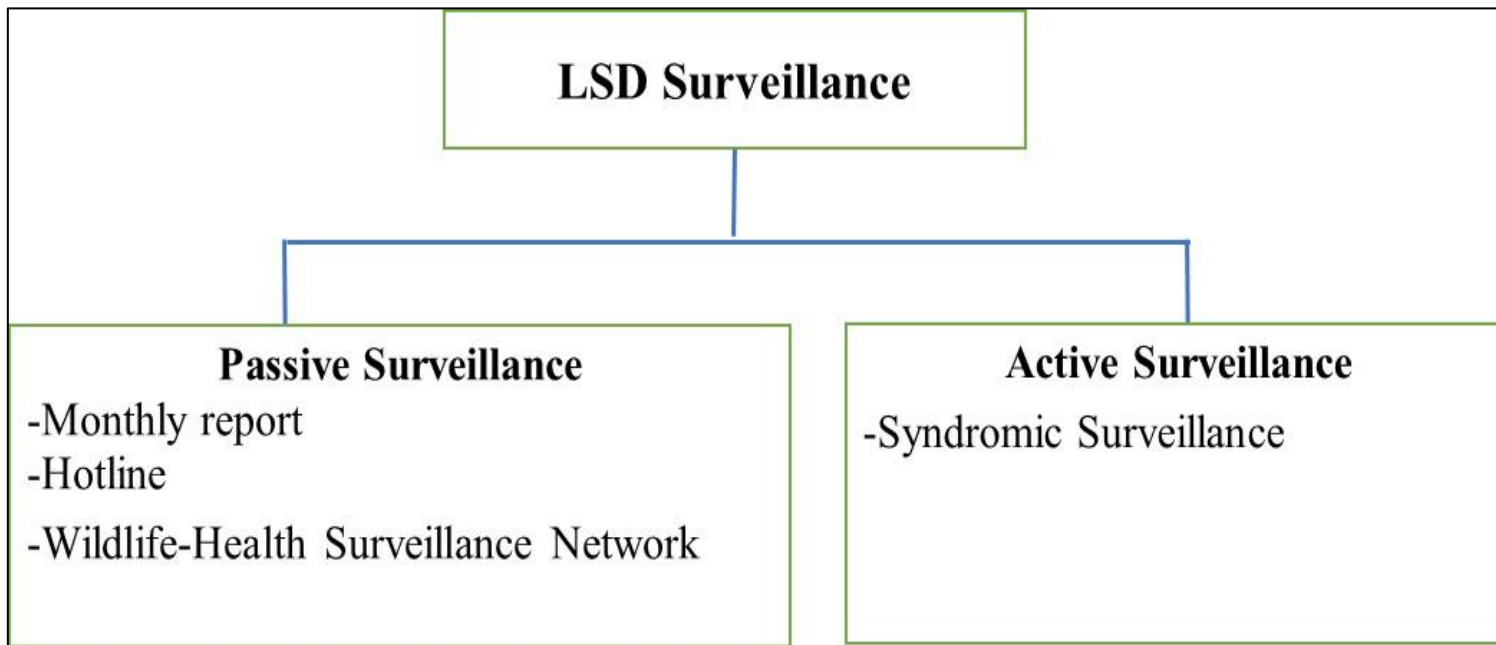




- **Legislation:**

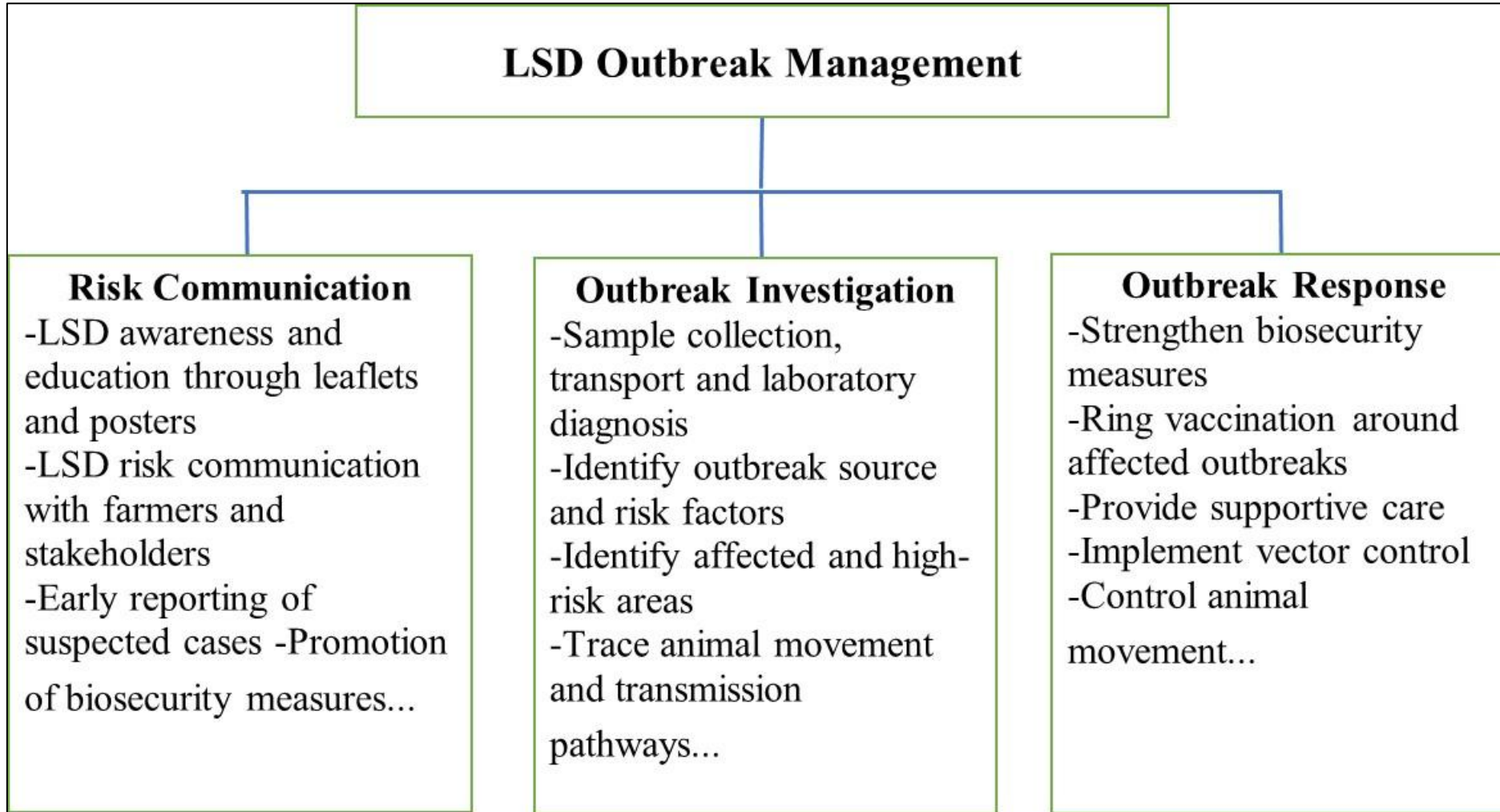
- Law on Animal Health and Production
- Sub-Decrees
- Prakas (Proclamations)
- Directives...

- **Disease surveillance and outbreak management:**





- **Disease surveillance and outbreak management:**





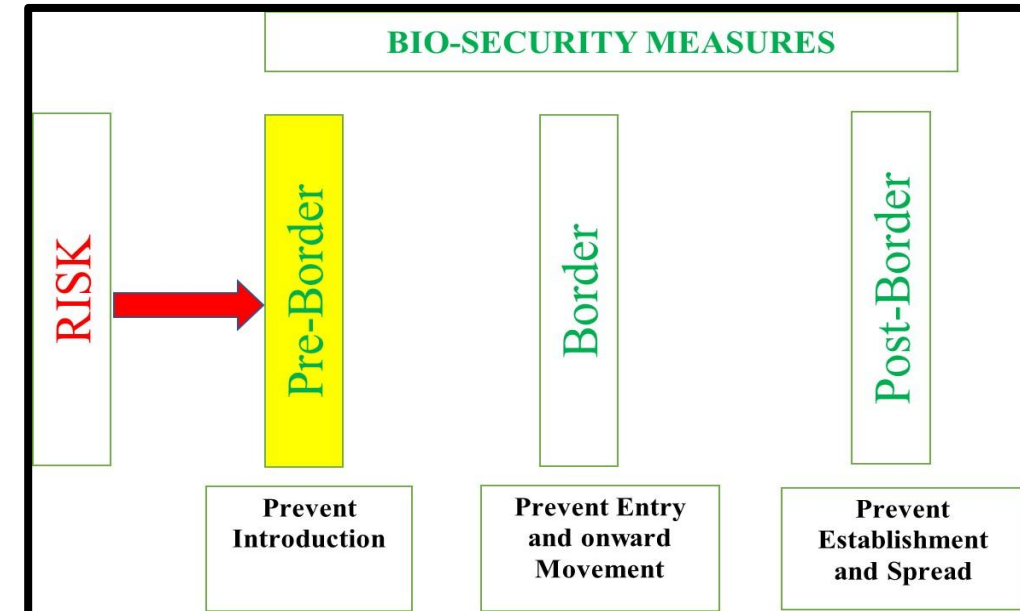
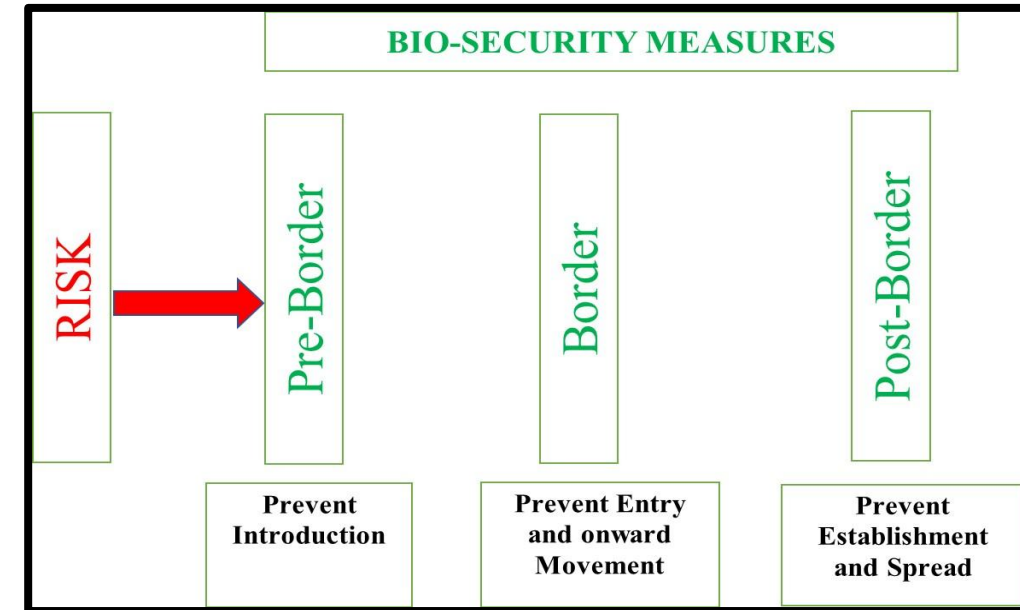
- **Vaccination:**

- High risk area
- LSD outbreak management

- **Three layers bio-security measures.**

- **Pre-border**

- Import risk assessment
- Approval of eligible source countries
- Veterinary health certification
- Collection points, farms or animal product storage warehouse
- Monitoring LSD status in exporting countries
- Source-farm biosecurity and vector control...





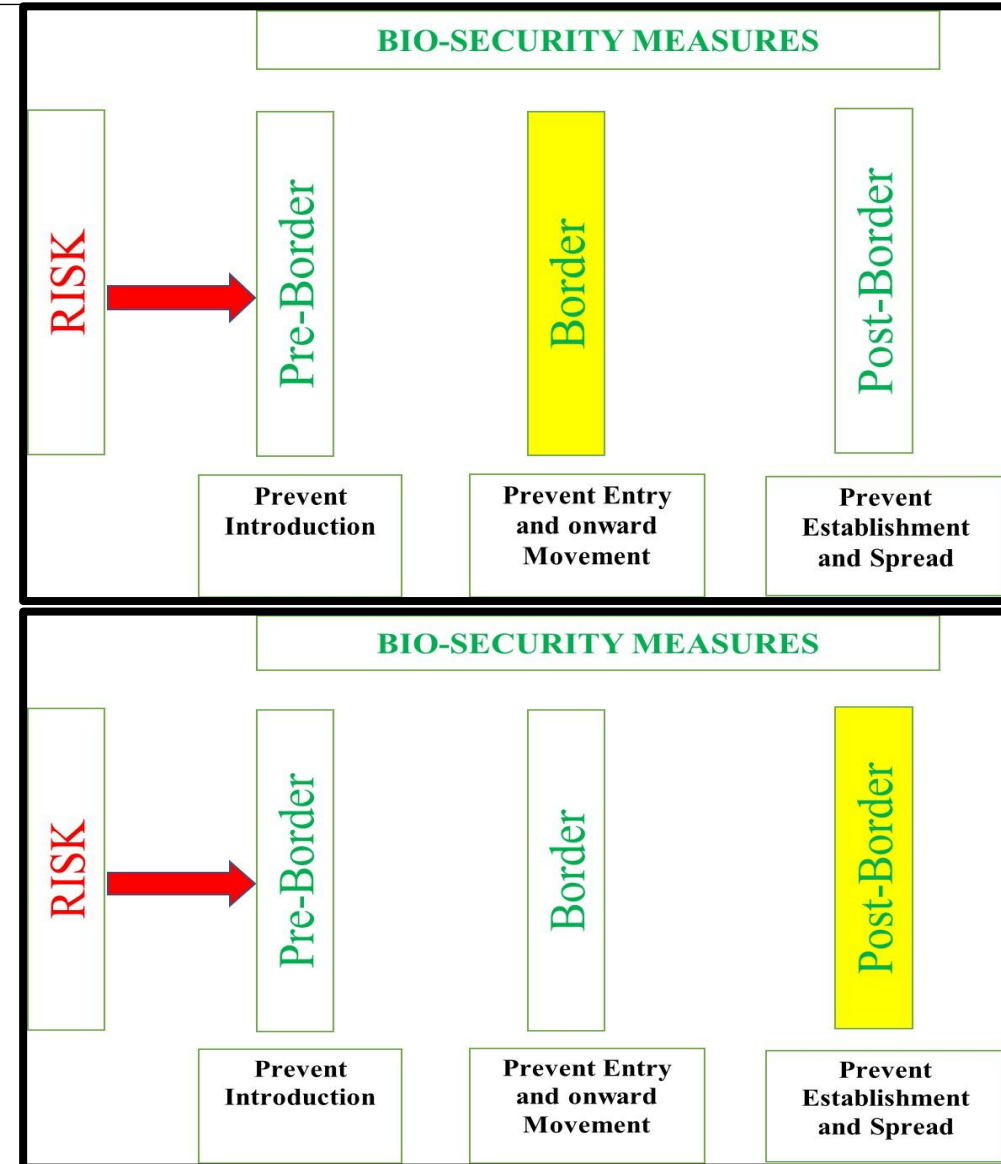
- **Bio-security measures**

- **Border**

- Veterinary inspection of imported cattle
 - Verification of health certificates and import documents
 - Control of illegal or unauthorized cattle movement
 - Risk-based inspection and sampling at border areas
 - Restriction of entry from LSD-affected areas/countries, when required
 - Coordination between veterinary and border authorities

- **Post-border**

- Strengthened biosecurity such as, at farms, collection points...
 - Cattle movement monitoring
 - Disease surveillance and early reporting
 - Vector control
 - Outbreak management (risk communication, investigation and response)





Laboratory diagnostic capacity

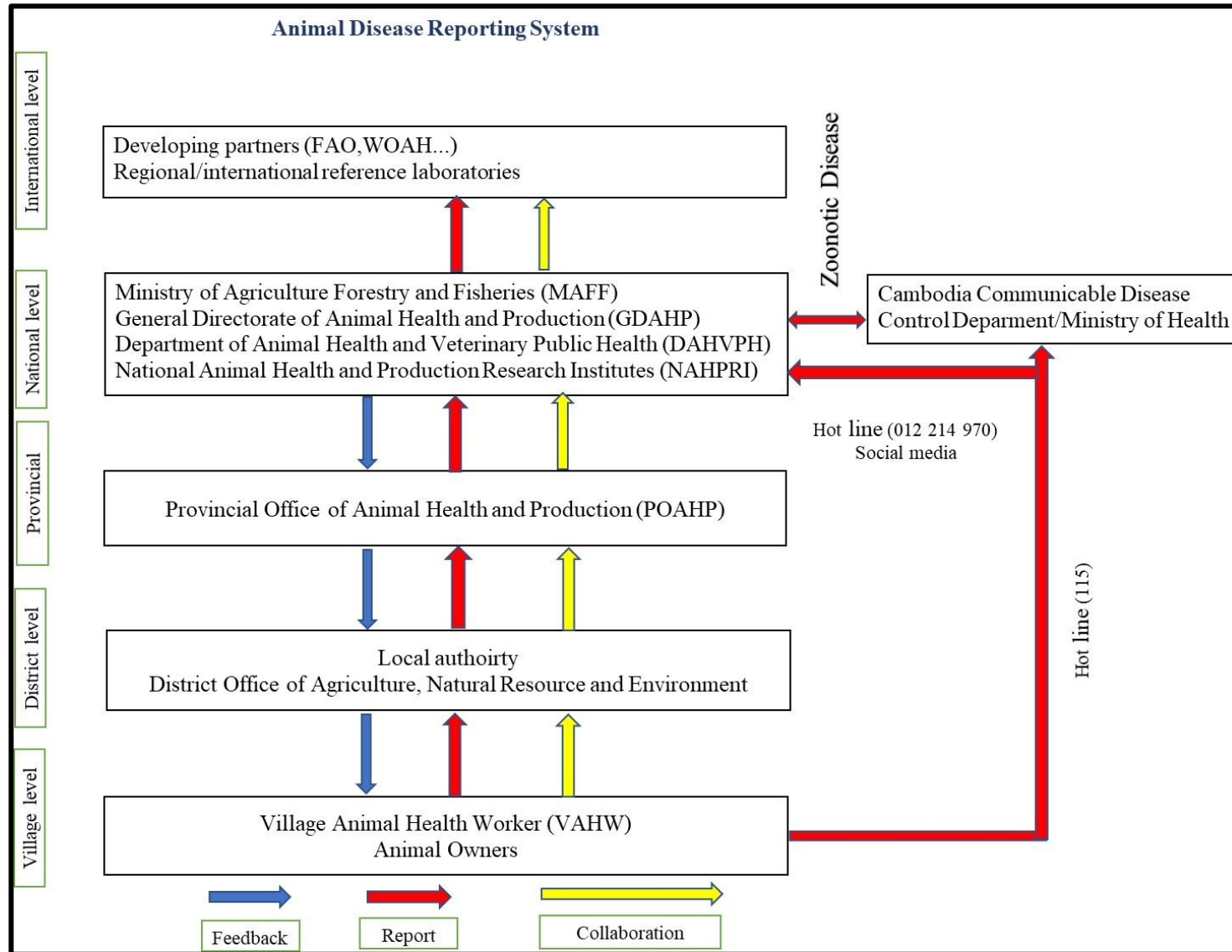
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- NAHPRI diagnostic capacity: PCR and serology (ELISA)
- Collaboration with national, regional, and international reference laboratories for:
 - Confirmatory diagnosis
 - Proficiency testing
 - Sequencing
 - Technical capacity building...





Collaboration with other stakeholders





Challenges

- Limited number of LSD vaccine
- Limited knowledge on disease control and prevention on LSD among farmers.
- Weak SPS enforcement and cross-border controls.

Possible solutions

- Ensure adequate vaccine supply and improve vaccination coverage
- Strengthen farmer training and awareness
- Strengthen movement control and border inspection





Strengthen risk-based surveillance and early warning

- Target high-risk areas
- Improve early detection and reporting

Improve outbreak preparedness and rapid response

- Strengthen investigation and response capacity
- Promote Animal Timeliness Analysis

Strengthen molecular diagnostics and genomic sequencing

- Expand PCR and sequencing capacity
- Improve diagnostic quality and expertise

Strengthen national, regional, international collaboration

- Enhance information sharing
- Strengthen reference laboratory collaboration

Strengthen bio-security across the cattle value chain

- Farms, collection points and slaughterhouses
- Cattle movement and other high-risk points

Thank you!

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