



MINISTRY OF AGRICULTURE
AND FOOD SECURITY

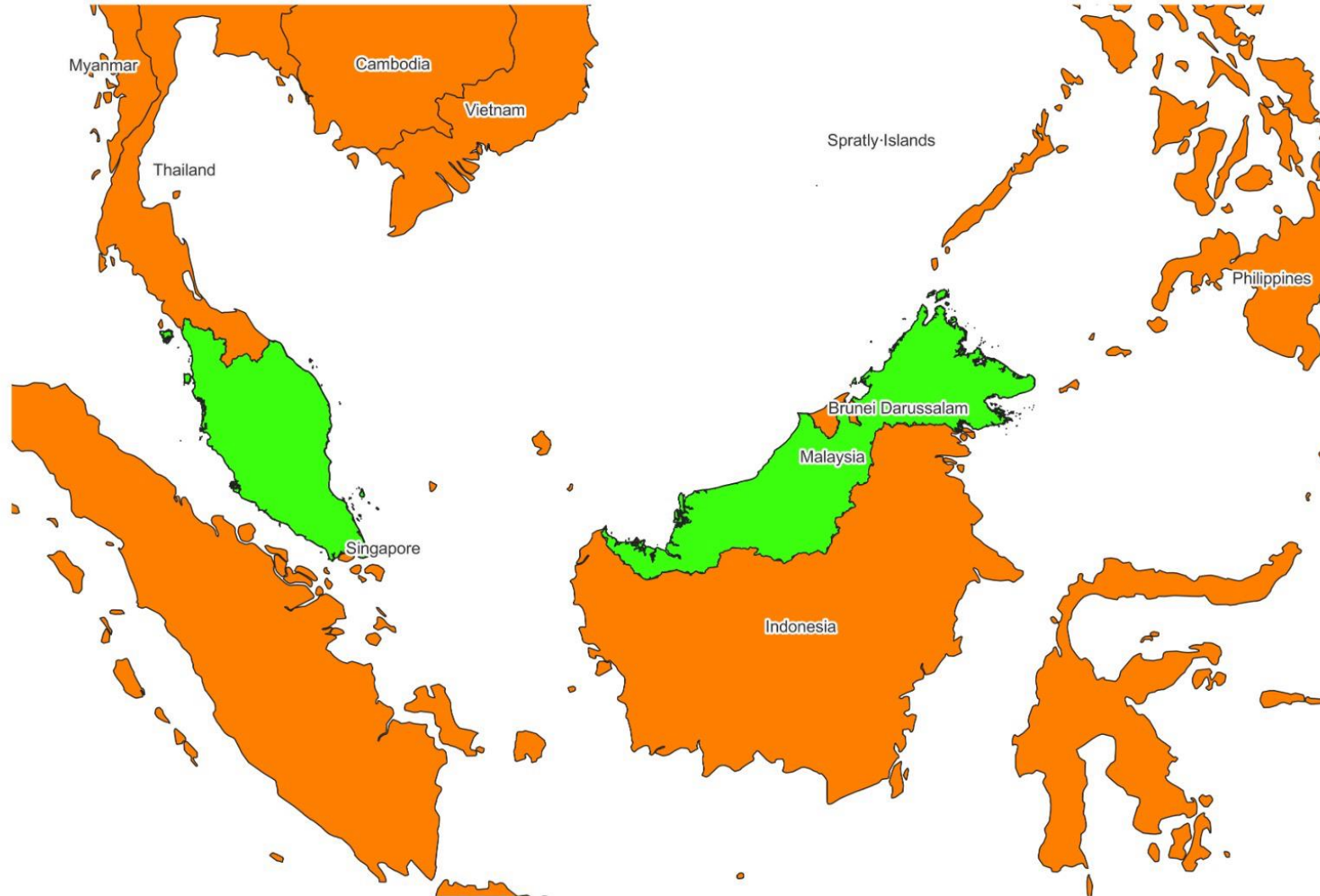


DEPARTMENT OF
VETERINARY SERVICES

PREPARATION IN PEACE TIME: CONTINGENCY PLANNING AND RESOURCE MOBILISATION

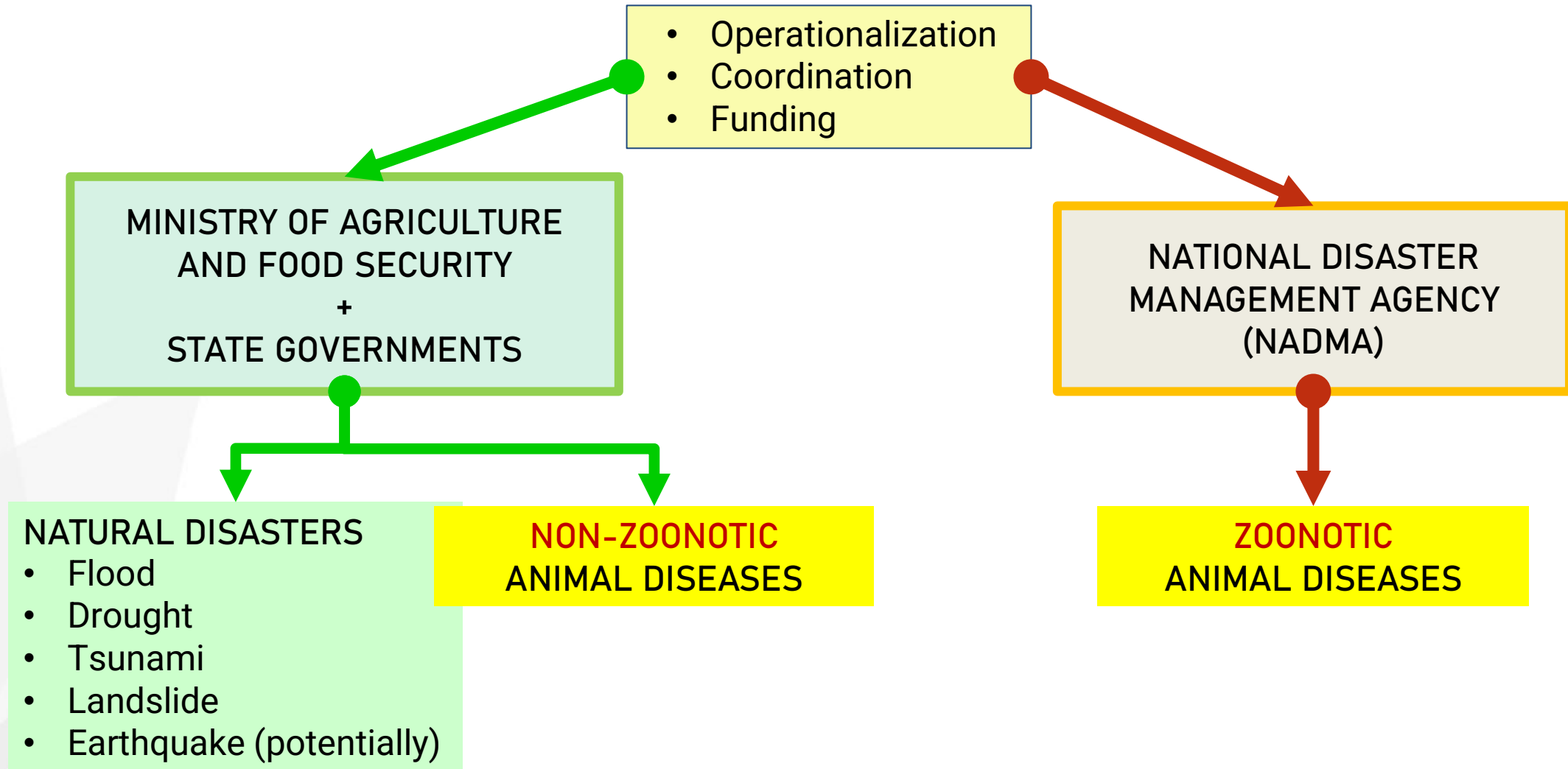
*Animal Disease Control and Biosecurity Division,
Division of Disease Control & Veterinary Biosecurity,
Veterinary Services Department, Putrajaya, Malaysia.
14 - 16th August 2024, Bangkok.*

MALAYSIA



ANIMAL-RELATED DISASTER MANAGEMENT

(Malaysian Context)



COMPONENTS IN ANIMAL HEALTH EMERGENCY MANAGEMENT

LEGISLATION

- Two different governing entity (Federal  State)
- Working in tandem
- Acts, ordinances, enactments

TRAINING

- Technical & response training
- Simulation exercise

LOGISTICS

- Disease control operation during outbreak

Animal Health Emergency Management

POLICY & MANDATE

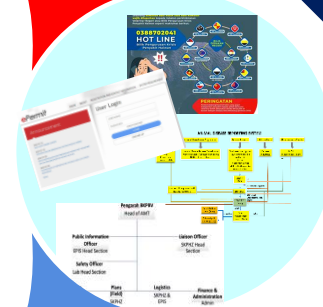
- Contingency plans (PVM)
- SOPs (APTVM)

SYSTEM IN PLACE

- Prevention
- Detection & surveillance
- Crisis Response
- Risk communication & public awareness
- Movement control

RESOURCE ALLOCATION

- Human
- Infrastructure, equipment
- Laboratories, office
- Financing



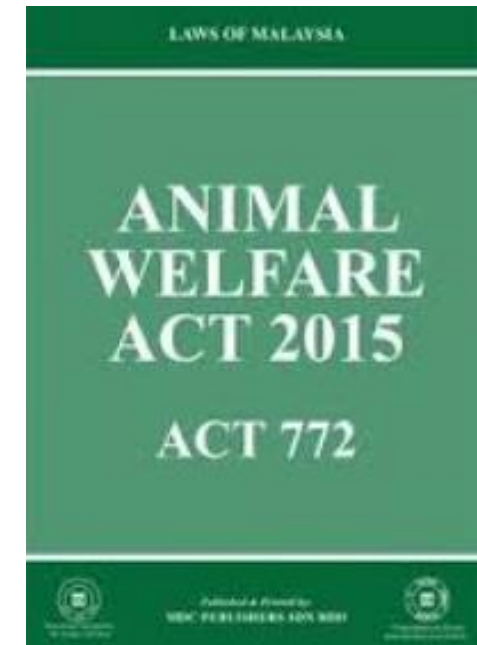
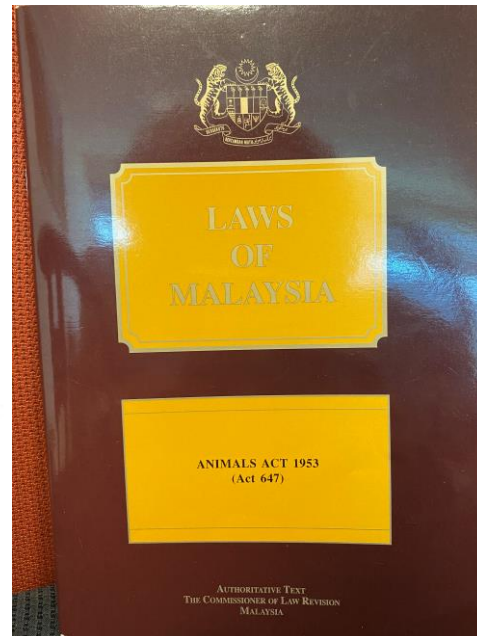
LEGISLATIONS RELATED TO DISEASE CONTROL

Animal Act 1953 Malaysia:

31. (1) *Every owner or person in charge of any animal or bird infected with or reasonably suspected to be infected with disease shall immediately make a report to a veterinary authority...*

Acts, Ordinances & Enactments

- Animal Act 1953 revised 2013
- Animal Welfare Act 2015
- The Abattoirs Act 1993
- Veterinary surgeons act 1974
- States Enactments



CONTINGENCY PLAN's & SOP's RELATED TO DISEASE CONTROL

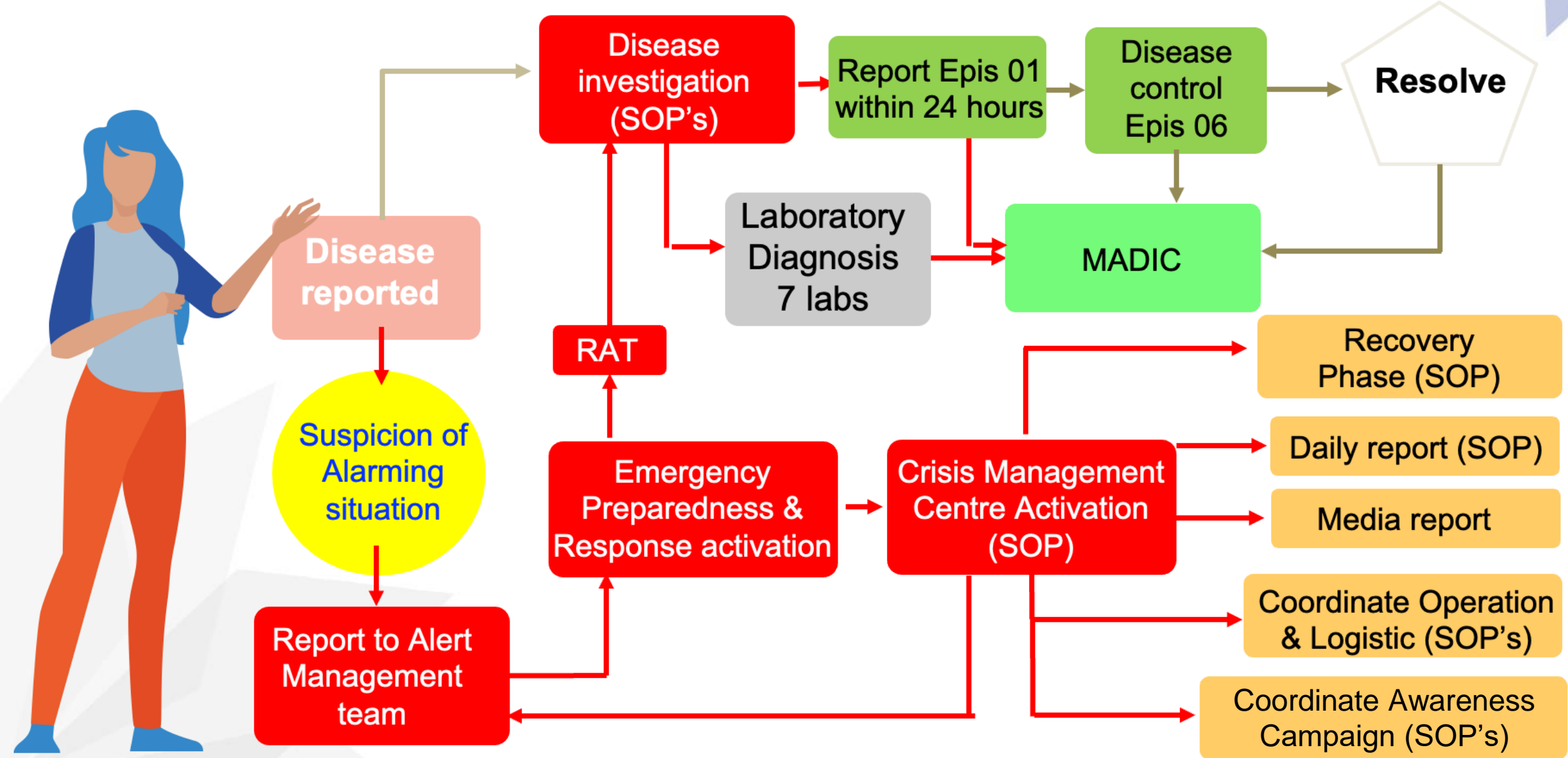
A total of 121 animal diseases (zoonotic and economic impact) are notifiable diseases listed under Animal Act 1953.

Disease investigation must be reported to MADIC within 24 hours : Epis 01,
All positive diagnostic cases at the laboratory must be reported to MADIC within 24 hours.

Contingency plan for specific diseases & SOP's



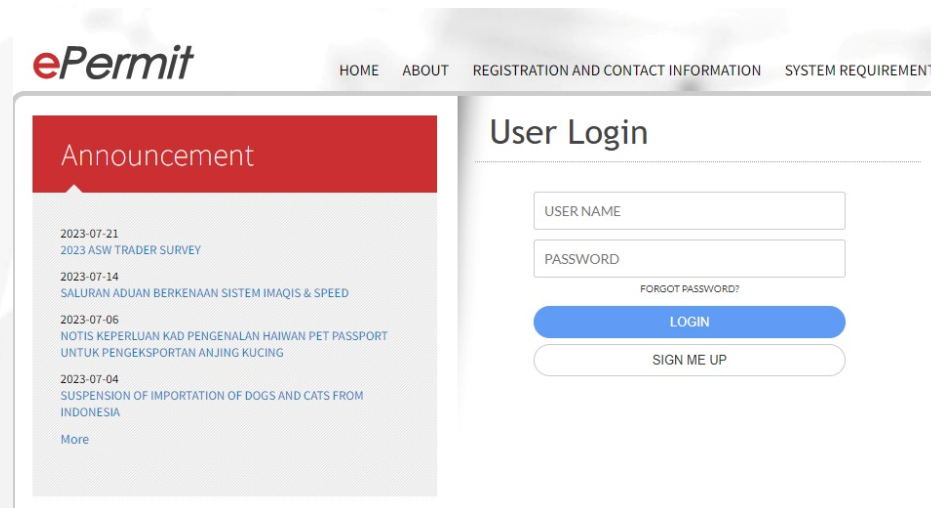
DISEASE OUTBREAK MANAGEMENT SYSTEM



EXTERNAL ANIMAL MOVEMENT CONTROL

Section 6 to 8 of the Animals Act 1953
MAQIS Act 2011

SOP:
Risk Analysis
Animal Quarantine Procedure



Pre-border risk assessment
Import- procedure:

Country risk assessment
(Risk assessment committee)



Import protocol
(specific for a country)



ePermit System
Import permit issuance
Health Certificate from exporting
country

Border control :
MAQIS
PDRM & PGA

INTERNAL ANIMAL MOVEMENT CONTROL

Process Flow for The Interstate Movement of Animals and Animal Products

Legislation: Section 79 of the Animal act 1953

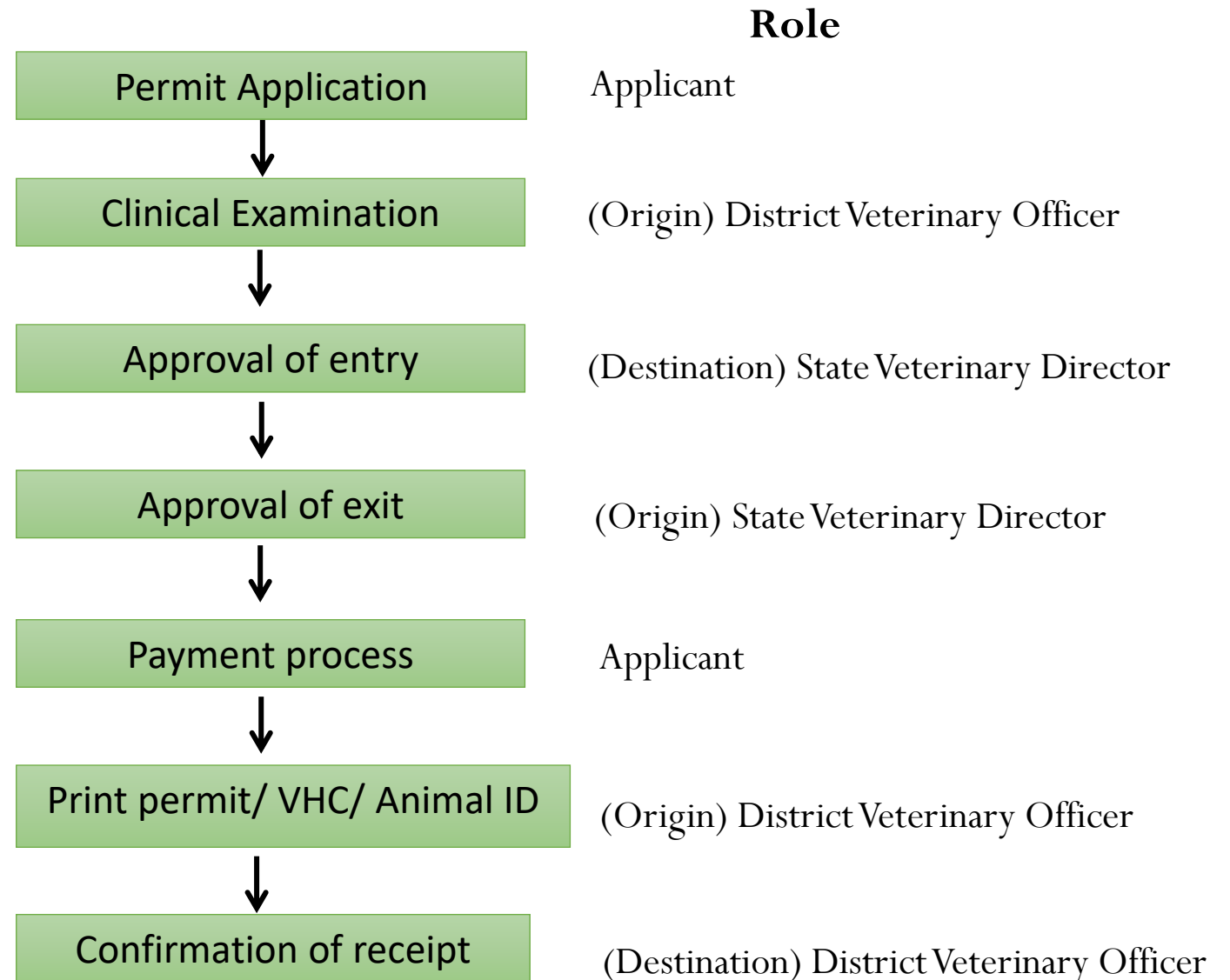
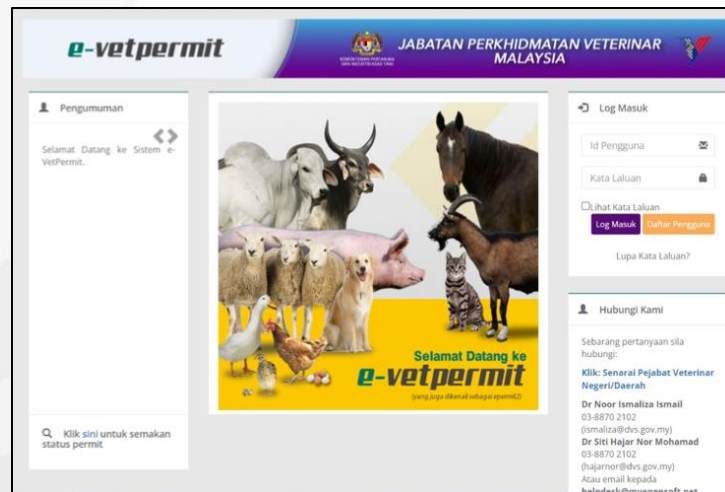
SOP:

Animal Traceability and Premise Registration

Animal identification and registration

Interstate Animal and product movement management

Intrastate Animal and product movement management



ANIMAL DISEASE SURVEILLANCE SYSTEM

Passive surveillance



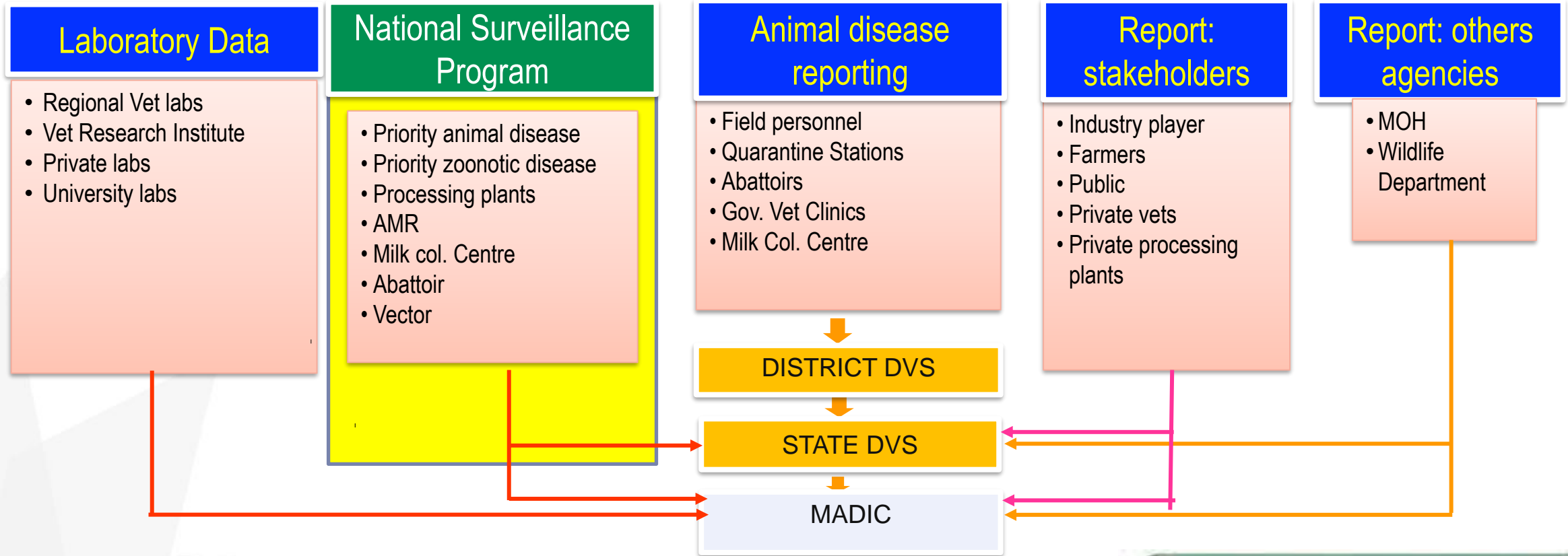
Active surveillance



Active surveillance window



ANIMAL DISEASE REPORTING SYSTEM



Department of Veterinary Services, Malaysia



Geographical Location

Biosecurity measures

Rearing System

Animal Movement

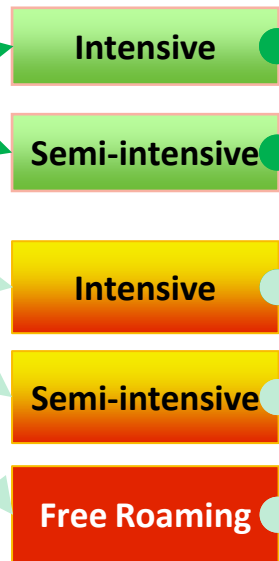
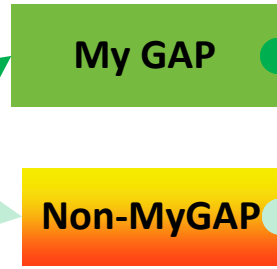
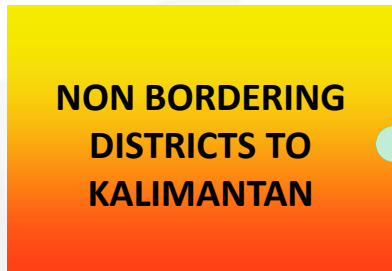


SABAH (Divisions)

- Beaufort
- Tawau

SARAWAK (Divisions)

- Kuching
- Serian
- Sri Aman
- Miri
- Limbang



SABAH (Divisions)

- KK
- Keningau
- Kudat
- Sandakan

SARAWAK (Divisions)

- Samarahan
- Betong
- Sarikei
- Sibul
- Kapit
- Mukah
- Bintulu



Epi Unit: No of premises in a Division.
 95% CI
 Prevalent: 0.5%



EPR ASSESSMENT AND REVIEW



COMPARISON between current Malaysian Approach & WOAAH's Emergency Preparedness & Response (EPR) Tool



POLICIES & GOVERNANCE

- Emergency policies and program
- Legislation and regulations
- Technical independence
- Internal VS coordination
- External coordination including Communication and consultation with stakeholders

Public-Private – Partnerships

PLANNING & RESOURCES

- Contingency plans (PVM)
- Guidelines & SOPs
- Resources - staff numbers and capabilities**
- Simulation exercise
- Response budget (incl. compensation)**
- Emergency Equipment & consumables

OPERATION

- Risk & Epidemiology**
- Laboratories
- Disease prevention including border security**
- Surveillance-detection**
- Field response**
- Movement control
- Animal Welfare

WHAT IS NEXT FOR MALAYSIA?

- To improve approach based on EPR tool
 - strengthening gaps identified through the tool
- To incorporate AAR into the revised approach



WOAH EMERGENCY PREPAREDNESS & RESPONSE ASSESSMENT TOOL

POLICIES & GOVERNANCE

- Emergency policies and program
- Legislation and regulations
- Technical independence
- Internal VS coordination
- External coordination including Communication and consultation with stakeholders
- Public-Private – Partnerships

PLANNING & RESOURCES

- Contingency plans (PVM)
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OPERATION

- Risk & Epidemiology
- Laboratories
- Disease prevention including border security
- Surveillance-detection
- Field response
- Movement control
- Animal Welfare

SUGGESTION TO ADD:

Post-crisis recovery elements

- Repopulation
- Way forward for a damaged primary production industry
- Balancing between supply & trade for food security (loss of protein source)
- Psychological support for affected parties along value chain



MALAYSIAN EXPERIENCES



AFRICAN SWINE FEVER



2018



PREVENTIVE MEASURE

- Awareness drive
 - to pig farmers, airport, MOT
- Engagement with multiple agencies
- Enhanced biosecurity at entry points and farms
- Enhanced surveillance
 - at abattoir
 - wild boar population
- Simulation exercises
 - multiple agency involvement



PENYAKIT DEMAM BABI AFRIKA (AFRICAN SWINE FEVER) (TV BURST AD)

JABATAN PERKHIDMATA... 852 subscribers

Video infographic – Soc media (YouTube, FB)
– Conventional media (RTM)



Awareness campaign, seizure of carcass at KLIA (2019)



ASF banners at entry ports (airport)



Enhanced biosecurity at farms



Simulation exercise (2019)

AFRICAN SWINE FEVER



ONGOING



PREVENTIVE AND MITIGATION MEASURES

- Surveillance & movement control
- Continuous preventive measures



Seized pork meat in cold-storage



Wildboar carcass in cold-storage (Pahang)

DVS seizes over 190 tonnes of pig carcasses worth RM4.3mil



NATION

Monday, 13 Nov 2023
7:17 PM MYT

KUALA LUMPUR: The Veterinary Services Department (DVS) has seized pig carcasses, some imported from Brazil and Russia and some unlabelled, weighing over 190 tonnes and worth RM4.3mil in total.

Related News

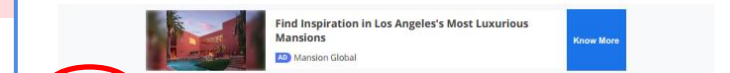
In a statement on Monday (Nov 13), said the carcasses were seized at seven locations in Selangor and four in Johor during an enforcement operation conducted over two phases from May to June and in November.

PGA patahkan cubaan seludup 3 tan karkas babi

Oleh YATIMIN ABDULLAH 22 April 2022, 3:40 pm



Lori membawa karkas babi hutan yang ditahan di sebuah pangkalan haram di Pengkalan Kubor, Tumpat semalam. - FOTO IHSAN PGA



MAQIS rampas lebih 24,000 kilogram perut babi beku

Oleh Nurul Huda Md Zaki - Februari 6, 2024 @ 2:09pm
bhnews@bh.com.my



MAQIS memeriksa barang dagangan yang dirampas. - Foto Ihsan MAQIS

Kastam rampas daging babi sejuk beku RM2.3 juta cuba diseludup ke Malaysia

Oleh Nor Azizah Mokhtar - Januari 24, 2024 @ 11:12am
bhnews@bh.com.my



Norela (tengah) bersama sebahagian daging babi sejuk beku yang dirampas dalam serbuan di Pelabuhan Utara dan sebuah gudang di Semenyih, baru-baru ini. - Foto NSTP/Ihsan JKDM

AFRICAN SWINE FEVER

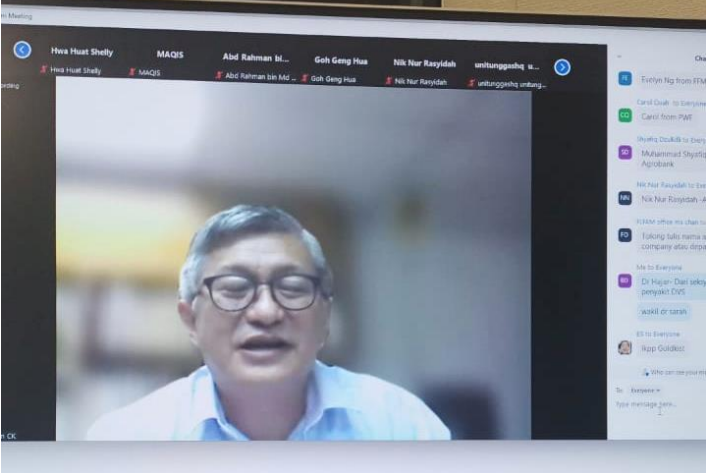


ONGOING



CONTINUOUS PREVENTION MEASURES

- Surveillance & movement control
- Awareness on ASF



POLICY & MANDATE: Activities



ONGOING



- Review/Preparation of:
- Contingency plans (PVM)
 - SOPs (APTVM)



ACTIVITIES: FIELD TRAINING, TABLE-TOP EXERCISE



ONGOING



On-going trainings



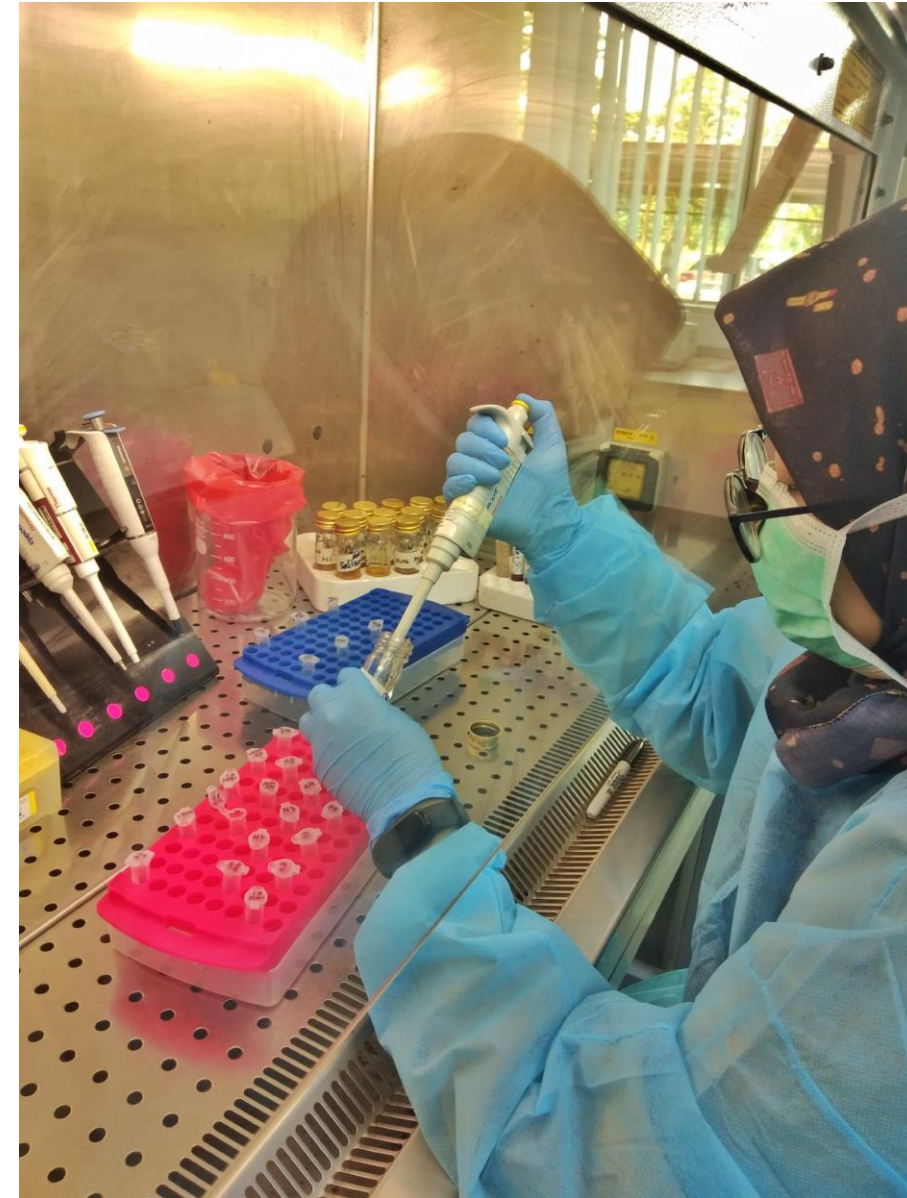
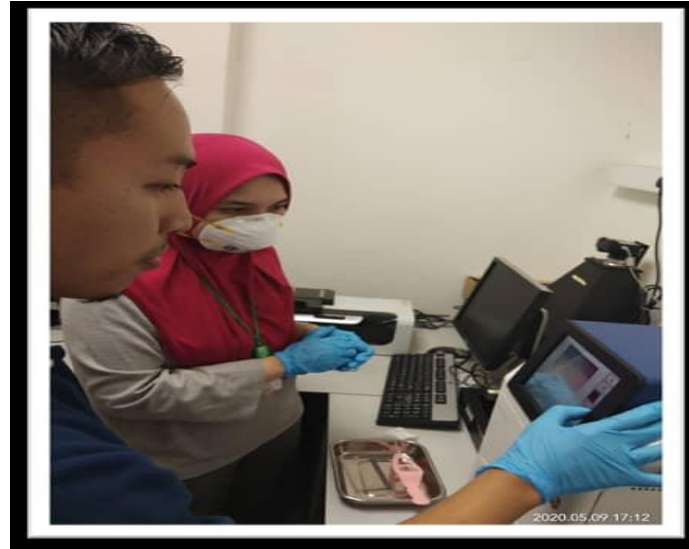
ACTIVITIES: LABORATORY TRAINING



ONGOING



On-going trainings



ACTIVITIES: BIOSAFETY TRAINING (LAB & FIELD)



ONGOING



On-going trainings



ZOONOSES RELATED ENGAGEMENT ACTIVITIES



ONGOING



JOINT COMMITTEE

- *Inter-Ministry or Agency → involving DG (DVS, MOH, Wildlife Department)*
- *Inter-Agencies Technical Committee → DVS, MOH, Wildlife Department, MAQIS, University*
- *Invasive Alien Species Committee*
- *National Health Laboratory Committee → DVS, MOH, labs of other agencies.*

JOINT ACTIVITIES

- *Rapid Risk Assessment (RRA)*
- *Joint Risk Assessment (JRA)*
- *Annual Wild and Migratory Bird Surveillance Program*

ENGAGEMENT WITH BORDER AGENCIES ACTIVITIES



ONGOING



Joint Risk Assessment (JRA) for Rabies:-

- *Depart of Veterinary Services (DVS)*
- *Ministry of Health (MOH)*
- *Wildlife Department*
- *Enforcement (KDNKA) –
Royal Malaysia Police,
PGA, Marine; and Maritime*



DISEASE SIMULATION TRAINING ACTIVITIES



ONGOING



NASIONAL

DVS siap siaga cegah virus ASF

Laksana simulasi laporan bersema jabatan, agensi berkaitan

ANAK PERNYUSUNAN

MALAYA LANGKAT

Sebagai langkah pencegahan bagi meredakan pesiaran virus African Swine Fever (ASF) dengan cara latihan, Jabatan Perkhidmatan Veterinari (DVS) mengadakan simulasi laporan bersema jabatan dan agensi berkaitan.

Simulasi lapangan merupakan cara terbaik menguji kesediaan semua pihak serta prosedur dengan modul serasi yang diadunikan bagi menguji kecekapan dan kesediaan dalam menangani pesiaran virus ini.

Timbalan Menteri Pertanian dan Industri Asas Tani, Syed Tajir berkata, simulasi ini dilaksanakan dengan merangka dan melaksanakan latihan serasi untuk meningkatkan kesedaran dan ketangkasan dalam menangani pesiaran virus ASF.

Di samping itu, DVS juga mengadakan simulasi lapangan bagi memastikan semua pihak terlibat dalam menangani pesiaran virus ASF dengan baik.

Simulasi lapangan diadakan di kawasan latihan di Tawau, Sabah pada 1 dan 2 November. Latihan ini melibatkan pegawai DVS, pegawai agensi berkaitan, pegawai Jabatan Pertanian (JP) dan pegawai Jabatan Penguatkuasaan Veteriner (JPV).

Latihan ini bermula dengan persembahan oleh pegawai DVS, diikuti dengan penyampaian persembahan oleh pegawai JP dan JPV. Latihan ini berakhir dengan sesi soal jawab dan persembahan oleh pegawai DVS.

Latihan ini merupakan salah satu langkah pencegahan bagi meredakan pesiaran virus ASF dengan cara latihan. Latihan ini diadakan dengan merangka dan melaksanakan latihan serasi untuk meningkatkan kesedaran dan ketangkasan dalam menangani pesiaran virus ASF.

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Kesedia jelangitan ASF:

- Serukan antara haiwan terjeleg dengan haiwan sakit
- Koronavirus dalam makanan
- Koronavirus penampan bangunan, kandang, peralatan
- Jelagitan melalui ierostasi vektor
- Haiwan jelagitan yang telah terjeleg dengan pesiaran virus
- Virus boleh berjeleg di dalam darah, susu, air liur dan bahan-bahan badan vektor

Di samping itu, DVS juga mengadakan simulasi lapangan bagi memastikan semua pihak terlibat dalam menangani pesiaran virus ASF dengan baik.

