World Organisation for Animal Health

Ministry of Agriculture
Republic of Indonesia

In partnership with Canada

Multisectoral Coordination:

BRITE

One Health. One Response.
Stronger Together Against Biological Threats.



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June 2 - 3, 2026 | Bali, Indonesia | Workshop on Biothreat Reduction in South-East Asia

World Organisation for Animal Health

Presentation Outline



1. BRITE Initiative Overview



2. Operationalising One Health through Multisectoral Coordination



3. Information Sharing



4. Successes & Lessons Learned



5. Regional Applicability and Scalability



6. Summary

World Organisation for Animal Health

BRITE Initiative Overview

ORIGIN

- Developed through collaboration involving FBI, CDC, DTRA and INTERPOL.
- Introduced to Malaysia in 2017.
- Adapted and localised to Malaysian requirements.

OBJECTIVES

- Strengthen multisectoral preparedness.
- Enhance biological incident investigation capability.
- Improve interagency coordination.
- Promote biosafety and biosecurity.
- Support national obligations under the Biological and Toxin Weapons Convention (BTWC).

SCOPE

Recognition & Notification

Early detection, reporting, information sharing, situation reporting and joint threat assessment.

Joint Investigation

Coordinated investigation between veterinary services, public health, law enforcement and other agencies, including joint interviews and intelligence gathering.

Hazardous Evidence & Sample Management

Crime scene reconnaissance, PPE, detection and monitoring, sample collection, packaging and transportation of evidence.

Biosafety & Biosecurity Response

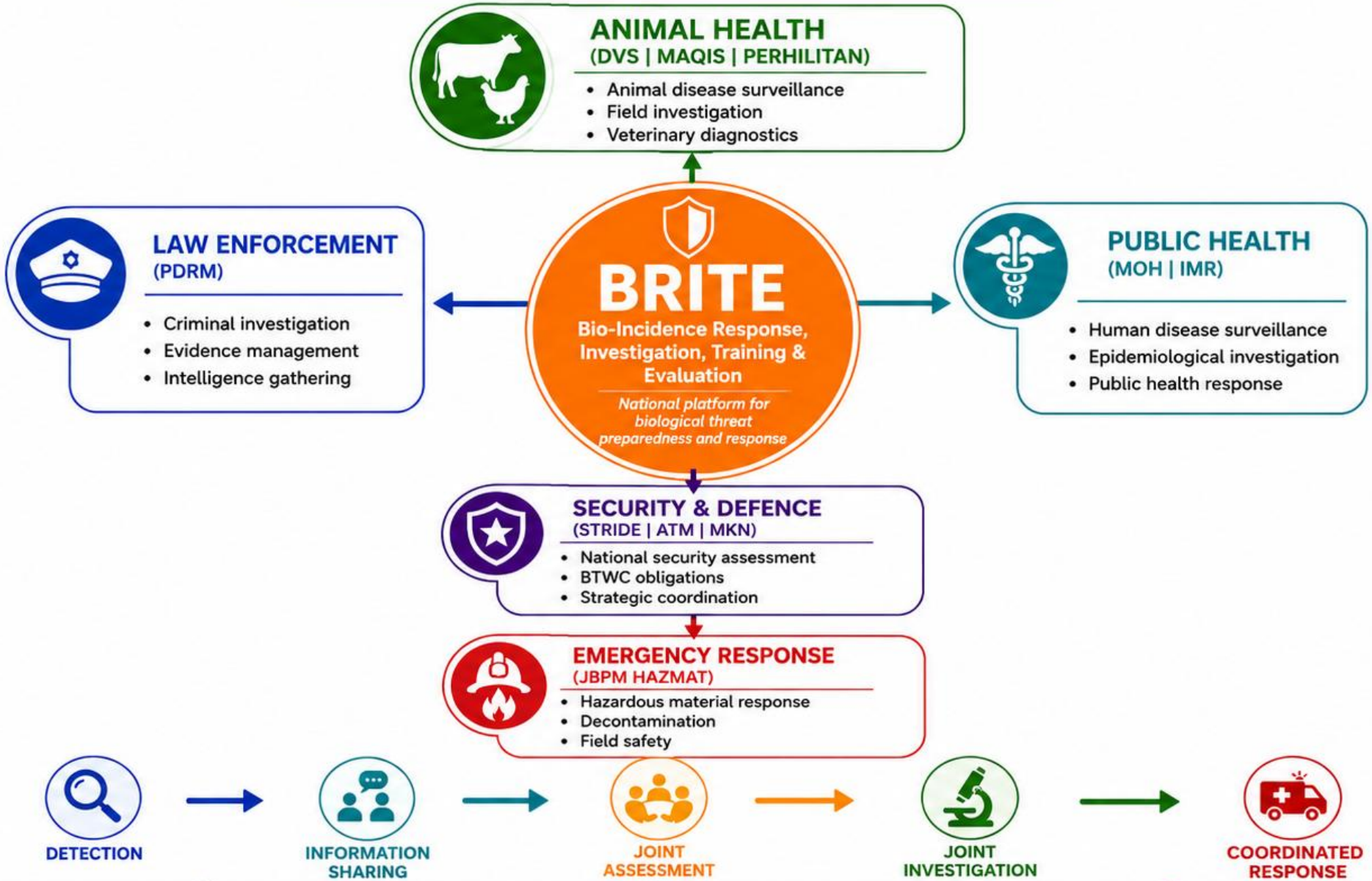
Decontamination, field biosafety, responder protection, biosecurity procedures and risk mitigation.

Preparedness, Training & Evaluation

Scenario-based exercises, full-scale simulations, teach-back sessions, national trainer development and evaluation.

Applicable to naturally occurring outbreaks, accidental releases and deliberate biological events.

Operationalising One Health through Multisectoral Coordination



INFORMATION SHARING

Tools and Platforms Utilized for Multisectoral Data Integration and Joint Risk Communication

ANIMAL HEALTH
DVS | MAQIS | PERHILITAN

- Animal disease reports
- Field investigation findings
- Veterinary laboratory results

LAW ENFORCEMENT
PDRM

- Criminal intelligence
- Investigation findings
- Evidence analysis

PUBLIC HEALTH
MOH | IMR | CPRC

- Human case information
- Epidemiological findings
- Laboratory results

JOINT SITUATIONAL AWARENESS
A Common Operational Picture

EMERGENCY RESPONSE
JBPM HAZMAT

- Hazard assessment
- Field monitoring data
- Decontamination status

SECURITY & DEFENCE
STRIDE | ATM | MKN

- Threat assessment
- National security analysis
- Strategic risk information

INFORMATION SHARED MAY INCLUDE:

- Epidemiological findings
- Laboratory results
- Field investigation findings
- Intelligence indicators
- Risk assessments
- Situation reports
- Other relevant data

NOTIFICATION
Triggers & Notification

→

INFORMATION SHARING
Across Sectors

→

JOINT THREAT ASSESSMENT
Analyse & Integrate

→

SITUATION REPORT
Common Operational Picture

→

JOINT RISK COMMUNICATION
Clear & Consistent

→

COORDINATED RESPONSE
Timely & Effective

OUTCOME

- Shared Situational Awareness
- Faster Decision-Making
- Reduced Information Gaps
- Coordinated National Response

SUCCESSES & LESSONS LEARNED

A brief case study or highlight of a successful inter-agency response or simulation exercise

BRITE VI (2025)

70	30	9	Sungai Petani, Kedah State, Malaysia	29 September – 3 October 2025
Participants	Trainers & Facilitators	Participating Agencies		



SCENARIO TIMELINE

1. **SUSPECTED ANTHRAX** — Intelligence & early detection
2. **ANIMAL CASES DETECTED** — Animal illness reported
3. **HUMAN EXPOSURE** — Potential exposure identified
4. **JOINT INVESTIGATION** — Multi-agency field investigation
5. **EVIDENCE COLLECTION** — Samples & evidence collected
6. **LABORATORY CONFIRMATION** — Lab analysis & confirmation
7. **COORDINATED RESPONSE** — Risk management & public safety actions

Realistic scenario | Simulated in real-world setting | Strengthened One Health collaboration

PARTICIPATING AGENCIES (9)

DVS · MOH · PDRM · STRIDE® · JBPM · ATM · MKN · MAQIS · PERHILITAN

KEY OUTCOMES

ENHANCED COORDINATION
Stronger collaboration among agencies across sectors

IMPROVED INFORMATION SHARING
Timely exchange of information for better situational awareness

STRONGER INVESTIGATION CAPABILITY
Better integration of field investigation, evidence handling & lab analysis

BETTER PREPAREDNESS & READINESS
Enhanced capacity, confidence and operational readiness

KEY LESSONS

- Trust must be built before a crisis.
- Joint exercises improve interoperability and coordination.
- Timely information sharing accelerates decision-making.
- One Health coordination strengthens national resilience.

BRITE VI demonstrates that multisectoral collaboration saves time, saves lives, and strengthens our national capability together for a safer Malaysia and a healthier region.

REGIONAL APPLICABILITY OR SCALABILITY

Practical lessons ASEAN Member States can adapt to strengthen multisectoral collaboration in biothreat reduction

1 EARLY WARNING & SURVEILLANCE

- Unusual disease events
- Emerging zoonoses
- Cross-border animal movements

2 INFORMATION SHARING

- Epidemiological findings
- Laboratory results
- Risk assessments
- Situation reports

3 JOINT RISK ASSESSMENT

- Multi-country analysis
- Shared threat assessment
- Common situational awareness

ASEAN BRITE NETWORK

- Regional Coordination
- Joint Investigation
- Information Sharing
- Biosafety & Biosecurity
- Training & Exercises

4 REGIONAL TRAINING & EXERCISES

- Joint tabletop exercises
- Simulation exercises
- Capacity building

5 COORDINATED RESPONSE SUPPORT

- Technical assistance
- Expert deployment
- Laboratory collaboration
- Risk communication

REGIONAL COORDINATION PROCESS

1. Detection
2. Notification
3. Regional Information Sharing
4. Joint Risk Assessment
5. Technical Coordination
6. Coordinated Response
7. After-Action Review

A regional application of BRITE principles can **strengthen cross-border collaboration, enhance situational awareness, and improve collective preparedness and response** to biological threats affecting the ASEAN region.

POTENTIAL REGIONAL PARTNERS

- **WOAH** (World Organisation for Animal Health)
- **WHO** (World Health Organization)
- **FAO** (Food and Agriculture Organization)
- **ASEAN** Secretariat
- National Veterinary Services
- Public Health Authorities
- Security Agencies
- Reference Laboratories
- Emergency Response Agencies



By adapting and scaling the BRITE model to regional realities, ASEAN Member States can **strengthen One Health collaboration, build stronger regional systems**, and collectively **reduce biological threats** for a safer, healthier and more resilient region.

World Organisation for Animal Health
Founded as OIE

SUMMARY

BRITE: MALAYSIA'S MULTISECTORAL APPROACH TO BIOTHREAT REDUCTION

One Health. One Response. One Protection.

BRITE (Biosafety and Biosecurity Readiness through Integrated Training and Exercise) is Malaysia's national initiative to strengthen preparedness and response to biological threats through a One Health, whole-of-government, and whole-of-society approach.

WHAT IS BRITE?

Malaysia's national platform that strengthens multisectoral collaboration, information sharing, joint training and simulation exercises, and coordinated response to biological threats, in line with IHR (2005) and GHSA.

WHO IS INVOLVED?

9 KEY AGENCIES

Ministries and agencies working together across human health, animal health, environment, security, emergency response and related sectors.

BRITE IN ACTION: TRAINING & SIMULATION EXERCISES

TABLE TOP EXERCISES



Discuss scenarios, strengthen plans and decision-making.

FIELD SIMULATION EXERCISES (INCLUDING SAMPLING)



Test procedures and operational readiness, including sampling activities.

HIGHLIGHT: BRITE 2025

DATE	29 September – 3 October 2025
LOCATION	Sungai Petani, Kedah State, Malaysia
PARTICIPANTS	100 participants (including 30 trainers and facilitators) from 9 agencies
OBJECTIVE	Validate national preparedness and response capabilities through realistic scenarios and multisectoral collaboration
OUTCOME	Strengthened coordination, improved readiness and better protection for people, animals and the environment

BRITE MODEL: WHAT IT IS AND HOW IT WORKS



KEY ACHIEVEMENTS & IMPACT

INSTITUTIONALIZED COLLABORATION
Strong multisectoral network across human, animal, environment, security and emergency agencies.

ENHANCED INFORMATION SHARING
Real-time communication and information exchange mechanisms in place.

IMPROVED PREPAREDNESS
Regular training and general simulation exercises (table top and field, including sampling) strengthen coordination and response capability.

PROVEN THROUGH EXERCISES
Tabletop and field simulation exercises validate plans, clarify roles and improve interoperability.

CONTRIBUTION TO GLOBAL & REGIONAL SECURITY
Supports Malaysia's commitments to IHR (2005), GHSA and ASEAN Health Security Agenda.

WHY BRITE MATTERS

PROTECTS	ENHANCES	STRENGTHENS	BUILDS	SUPPORTS
People, Animals & the Environment	Early Detection & Rapid Response	Multisectoral Collaboration & Trust	National Resilience & Capacity	Regional & Global Health Security
Reduces impact of biological threats	Timely actions save lives and resources	Working together is our greatest strength	Better prepared today, safer tomorrow	Contributes to a safer and healthier world

LOOKING AHEAD

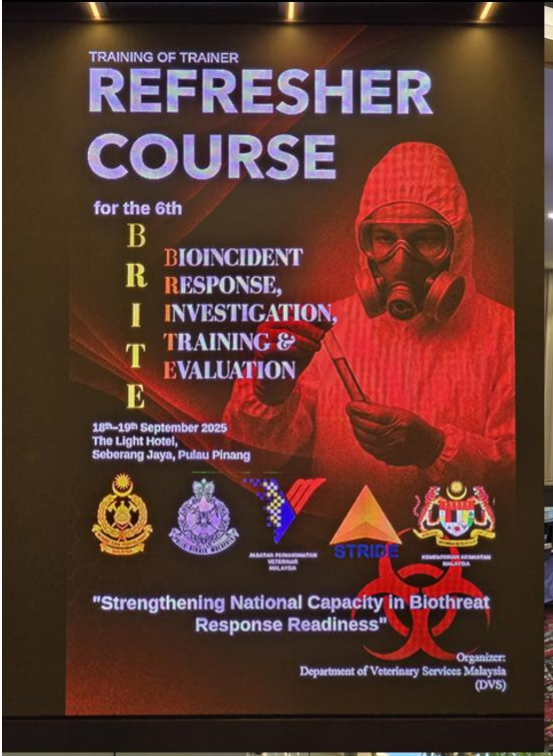
BRITE will continue to evolve through ongoing training, exercises, innovation and partnerships to stay ahead of emerging biological threats and build a more resilient Malaysia and region.

BRITE embodies Malaysia's commitment to One Health, collaboration and preparedness.

Together, we build a safer, stronger and more resilient nation and region against biological threats.

PARTICIPATING AGENCIES (9)

DVS · MOH · PDRM · STRIDE® · JBPM · ATM · MKN · MAQIS · PERHILITAN


TRAINING OF TRAINER
REFRESHER COURSE
for the 6th
BRITE
BIOINCIDENT RESPONSE, INVESTIGATION, TRAINING & EVALUATION
18th-19th September 2025
The Light Hotel,
Seberang Jaya, Pulau Pinang
STRIDE
"Strengthening National Capacity in Biothreat Response Readiness"
Organizer:
Department of Veterinary Services Malaysia (DVS)


REFRESHER COURSE
REFRESHER COURSE




REFRESHER COURSE
REFRESHER COURSE


BRITE


BIOINCIDENT RESPONSE INVESTIGATION TRAINING & EVALUATION
BRITE
6th series
BIOINCIDENT RESPONSE, INVESTIGATION, TRAINING AND EVALUATION (BRITE) SIRI VI
BIOINCIDENT RESPONSE, INVESTIGATION, TRAINING AND EVALUATION (BRITE) SIRI VI










Work In Progress

BRITE VI: ENHANCING NATIONAL MULTISECTORAL COORDINATION IN RESPONSE TO BIOLOGICAL THREATS THROUGH JOINT INVESTIGATION SIMULATION IN MALAYSIA

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ABSTRACT

The Bio-incident Response Joint Investigation Training and Evaluation 6th series (BRITE VI) programme supports Malaysia's obligations under the Biological and Toxin Weapons Convention (BTWC) by enhancing national capacity in biological threat response. BRITE VI, organized by the Department of Veterinary Services (DVS), is a five-day programme involving 70 participants and 20 trainers from multiple agencies including the Department of Veterinary Services (DVS), Royal Malaysia Police (PDRM), Defense Science & Technology Research Institute (STRIDE), Ministry of Health (MOH), Fire and Rescue Department (JBPM), Malaysian Armed Forces (ATM), Malaysian Quarantine and Inspection Services (MAQIS), Department of Wildlife and National Parks (PERHILITAN), and the National Security Council (MKN).
Centered around a full-scale anthrax outbreak scenario at an international checkpoint, the exercise simulates deliberate biological release, zoonotic transmission, and public exposure. Participants are trained in information sharing, joint assessment, investigation, crime scene management, hazardous sample collection, responder decontamination, legal protocols, and cross-agency communication.
The programme features interactive lectures, tabletop discussions, and a full joint investigation and sampling exercise at a mock crime scene. This immersive experience allows participants to apply practical skills in evidence handling, detection, and multisectoral coordination in a high-threat setting.
BRITE VI is expected to demonstrate improved operational readiness, clearer role understanding, and strengthened collaboration across sectors. Originally adapted from FBI/CDC models, the programme is now fully localized and serves as a potential reference for other countries implementing BTWC Article IV through national capacity-building efforts.



INTRODUCTION

Led nationally by the Ministry of Defence (STRIDE), the BRITE program serves as a joint platform to strengthen collaboration among enforcement, health, and veterinary sectors in managing biological incidents. Since its inception in 2017 with the support of the FBI, CDC, and DTRA, BRITE has been conducted in rotation among key Malaysian agencies — STRIDE, PDRM, JBPM, and the Ministry of Health — with each hosting different series. Starting from BRITE Series III, the program has been fully implemented by the Malaysian Government, utilizing local trainers and national funding. The sixth series (BRITE VI) marks the turn of the Department of Veterinary Services (DVS) as the main organizer, reflecting DVS's strengthened role in zoonotic disease surveillance, laboratory investigation, and national bio-response capacity.

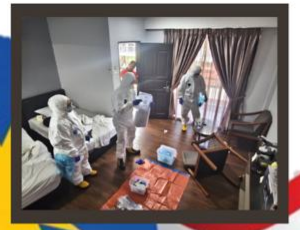
METHODS

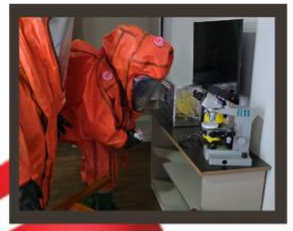
- Duration & Venue: 5-day training at Zaques Hotel, Sungai Petani, Kedah, Malaysia.
- Participants: ~100 officers from DVS, KKM, PDRM, JBPM, STRIDE, MKN, ATM, MAQIS & PERHILITAN.
- Approach: Combination of lectures, group discussions, demonstrations, hands-on practice, and full-scale mock crime scene exercise.
- Focus: Anthrax outbreak scenario emphasizing triggered point, information sharing, joint assessment, situation report, joint investigation, biosafety & biosecurity, reconnaissance, evidence collection, packaging & transportation to laboratory, decontamination, and inter-agency communication.
- Capacity Building: Included quizzes, interactive exercises, and teach-back sessions to develop national trainers.
- Organizer: Conducted in rotation among key national agencies; BRITE VI was led by DVS as the main organizer

OUTCOMES

- Strengthened multi-agency coordination in biological incident response.
- Enhanced technical competency in biosafety, biosecurity, and field investigation.
- Improved inter-sectoral communication between enforcement, health, and veterinary agencies.
- Established a pool of national trainers for future BRITE programs.
- Increased readiness for joint response to zoonotic and biothreat events.











CONCLUSION

The BRITE VI program successfully strengthened Malaysia's bio-response preparedness through hands-on joint investigation exercises and inter-agency collaboration. It enhanced networking among participating agencies, improved mutual understanding of each agency's standard operating procedures (SOPs), and fostered smoother coordination during biological incidents. The program reflects Malaysia's continued commitment under the BTWC to strengthen biosafety, biosecurity, and national capacity for effective multi-agency response.



HAK MILIK PDRM

DVS involved in Royal Police Malaysia – The Guideline for CBRNE Investigation Procedures




BRITE

World Organisation for Animal Health

Ministry of Agriculture
Republic of Indonesia

In partnership with Canada

Thank You

Together, we can build a *safer, stronger* and *more resilient* region against biological threats.



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