

DISASTER MANAGEMENT



Fernando de Abreu
Project Officer - WOA

30 June – 2 July 2026
Budapest - Hungary



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal



- **Presentation on the outcomes and conclusions of the meeting in Bucharest**
- **Update on the draft proposal on the Terms of Reference on National Contact Points on Disaster Management and Risk Reduction**
- **Update on the e-module on emergency management (CP6)**
- **European Civil Protection Forum 2026**
- **Swedish Centre for Disaster Veterinary Medicine**



Occurrences of natural disasters by disaster type (1970-2025)

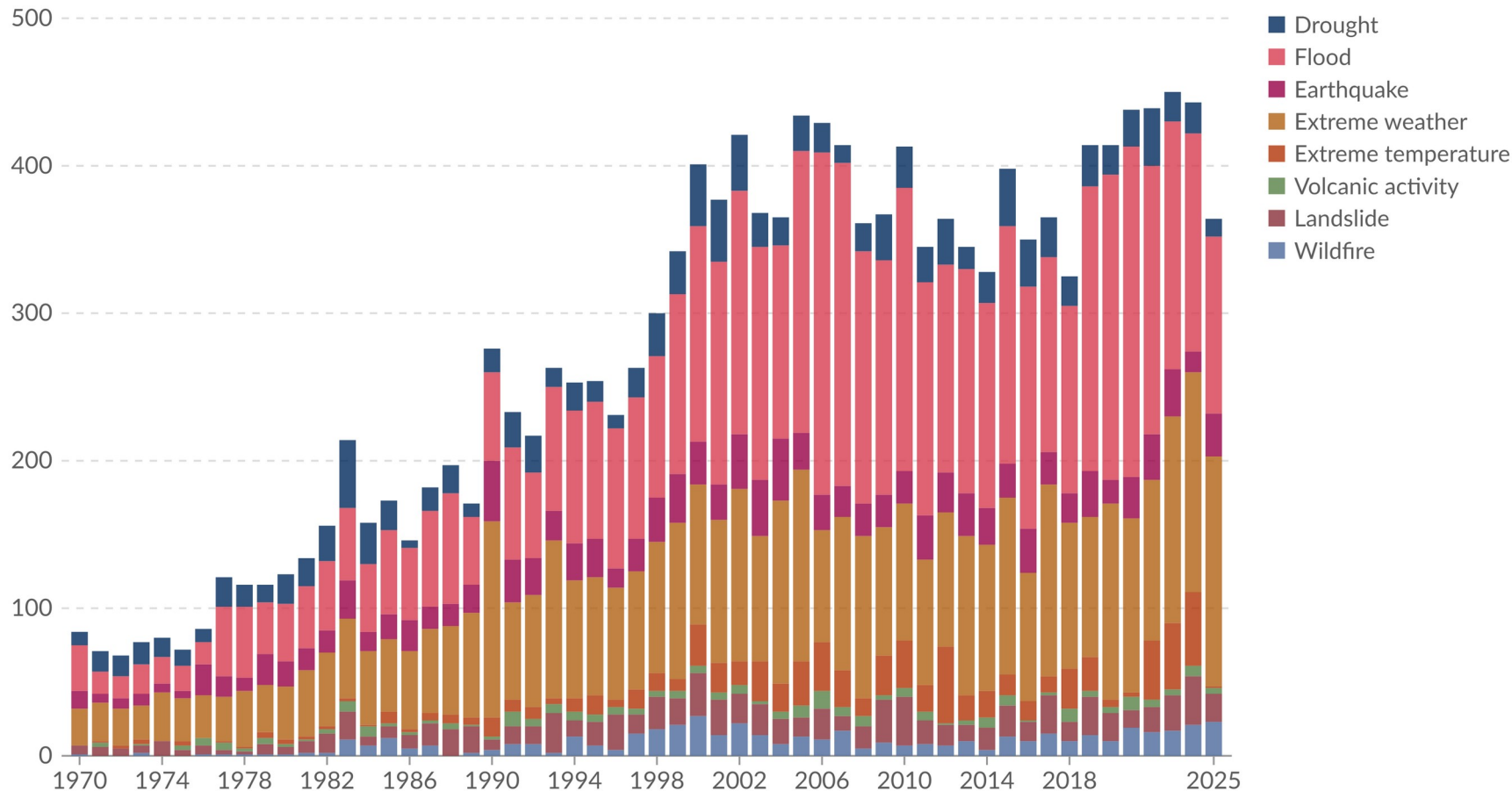
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From the EM-DAT
**Emergency Events
Database** is maintained
by the [Centre for Research on the Epidemiology of Disasters \(CRED\)](#) at
the [Université catholique de Louvain \(UCLouvain\)](#)

Global reported natural disasters by type, 1970 to 2025

Our World
in Data

The annual reported number of natural disasters, categorized by type. Note that this largely reflects increases in data reporting, and should not be used to assess the total number of events.



Data source: EM-DAT, CRED / UCLouvain (2026)

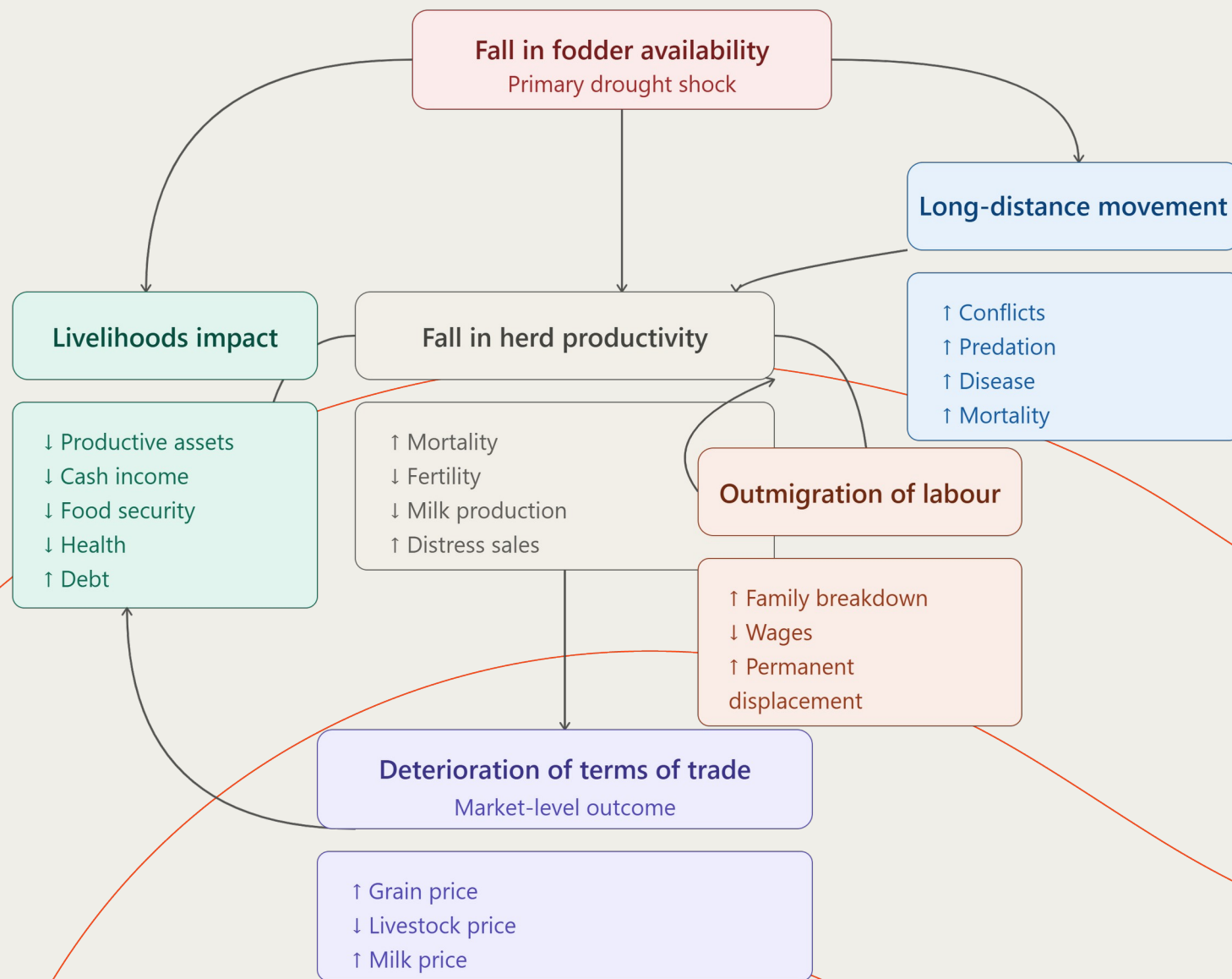
Note: Data includes disasters reported up to April 2026.

OurWorldinData.org/natural-disasters | CC BY



Impact on livestock keepers (flood)

4

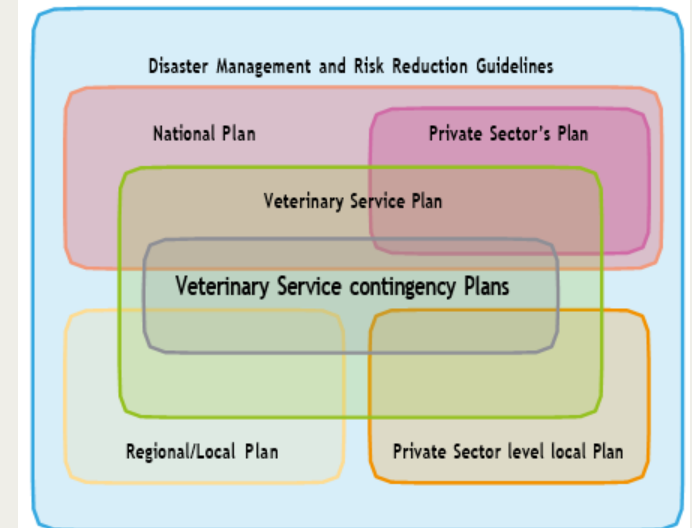
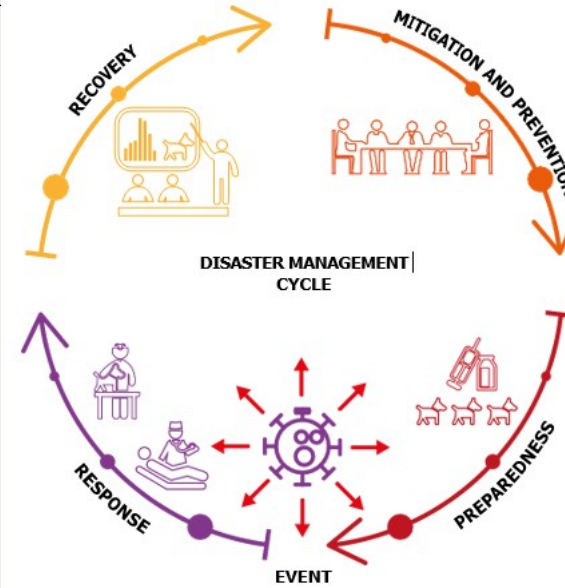


Red— the primary shock (fall in fodder availability)
Grey— fall in herd productivity (the central cascade)
Green— livelihoods impact
Purple— deterioration of terms of trade
Orange— outmigration of labour
Blue— long-distance movement

GUIDELINES ON DISASTER MANAGEMENT AND RISK REDUCTION IN RELATION TO ANIMAL HEALTH AND WELFARE AND VETERINARY PUBLIC HEALTH (GUIDELINES FOR NATIONAL VETERINARY SERVICES)



MAY 2016, edited 2024



- All components of disaster management,
- Cohesive response plans at both national and international levels
- Using an all-hazards approach and a multidisciplinary approach
- A wide range of stakeholders from both government and society
- Integration of DMRR reduction measures relevant to national Veterinary Services into broader resilience and disaster management and response networks and policies



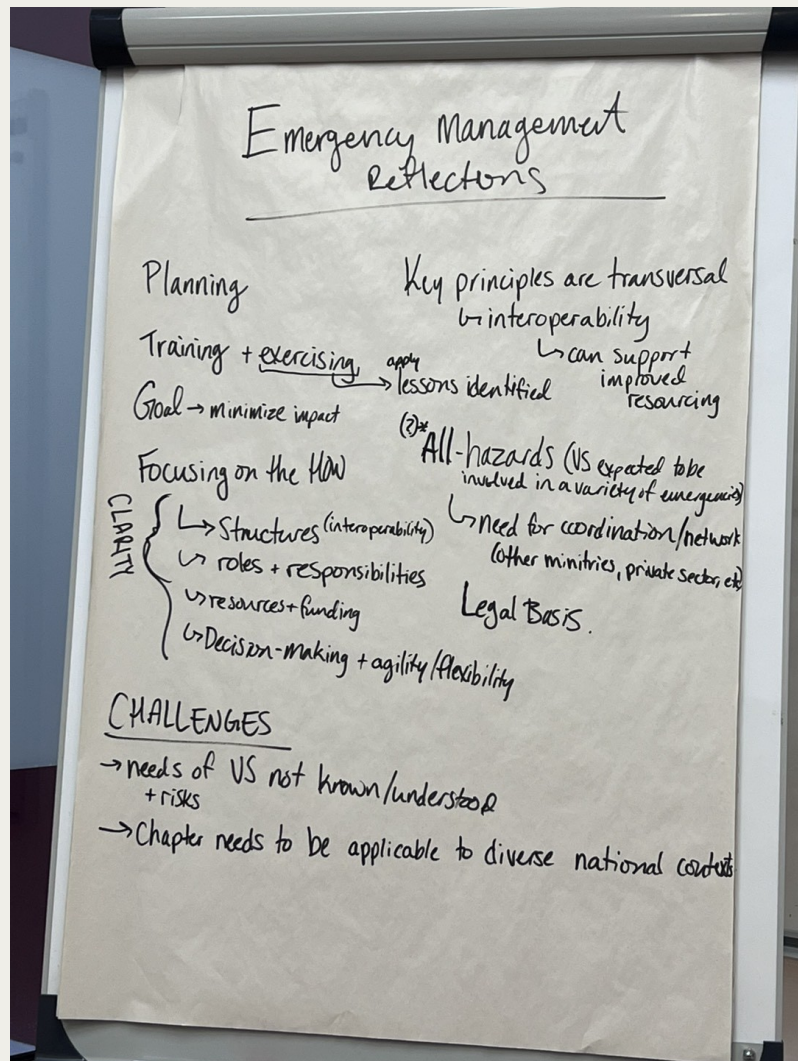
- Mandated by Members in **2022** WOAHA General Session Technical Item Resolution
- Proposal accepted by Code Commission in **February 2024**
- *Ad hoc* Group convened in **June 2024**
 - *Terrestrial Code* reviewed
 - Recommended developing a chapter on emergency management
 - Chapter outline drafted
- Report reviewed by TAHSC (**September 2024**)
- Second meeting of the *ad hoc* Group held in **December 2024** to develop content
- Report and chapter presented to Code Commission, and feedback provided
- Third meeting held in **June 2025**





Draft Emergency Management Chapter

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Structure

- 3.X.1 Introduction
- 3.X.2 Purpose and scope
- 3.X.3 Definitions
- 3.X.4 General principles
- 3.X.5 Prevention
- 3.X.6 Detection
- 3.X.7 Preparedness
- 3.X.8 Response
- 3.X.9 Recovery



Draft Emergency Management Chapter

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- Finalise the draft chapter with the ad hoc Group
- Present chapter to the Terrestrial Animal Health Code Commission in **September 2025** with the aim to circulate for Member comments if deemed ready
- Aiming to present for adoption at the 2027 General Session



Activity timeline: welfare of animals in disasters

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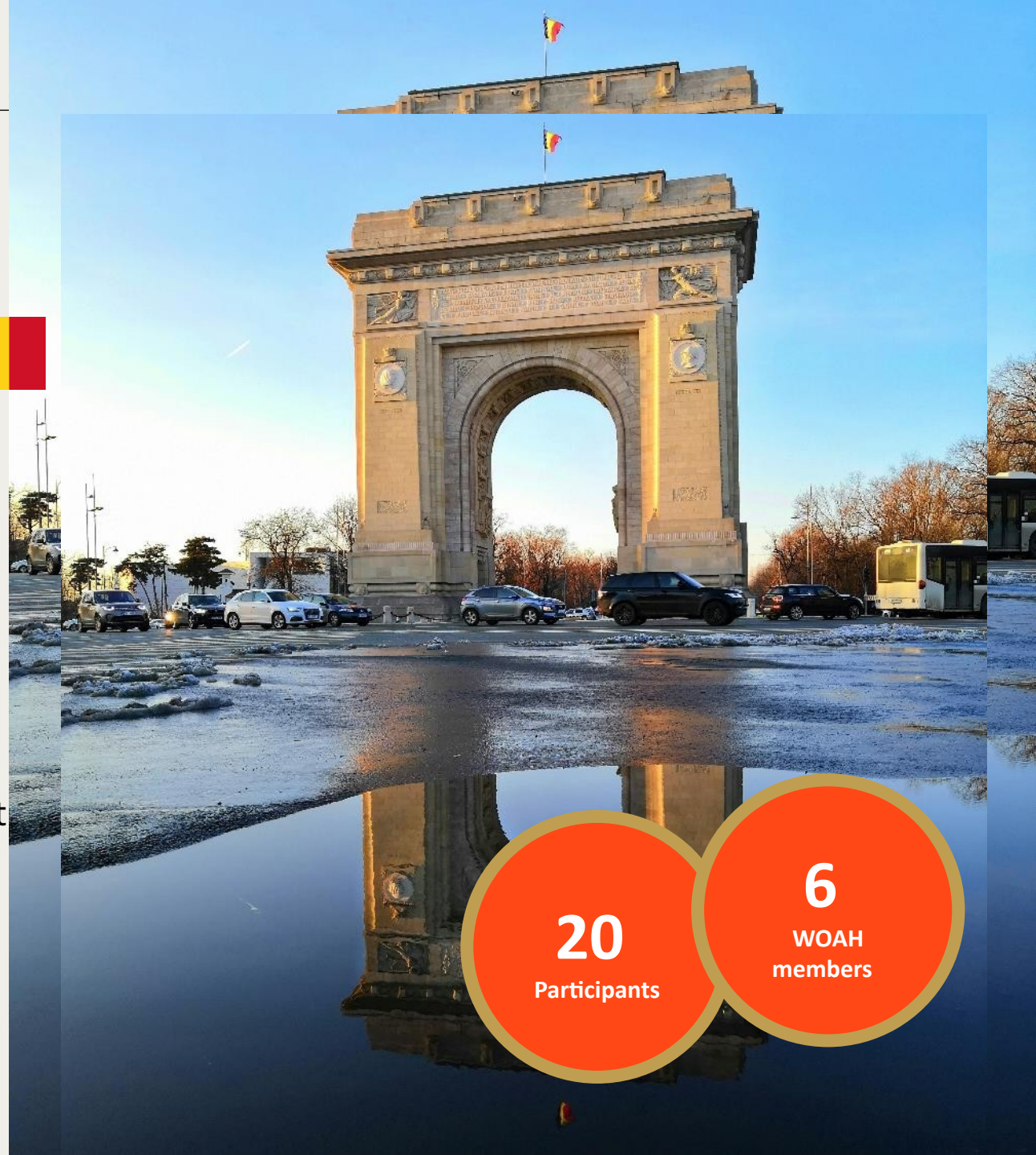
• WOAH workshop on Response Plan Development for Disaster Management and Risk Reduction

08 - 10 July 2025, Bucharest, Romania



Objectives:

- Build the understanding/ knowledge on the process for developing a response plan;
- Understand the needs/ challenges of each country to develop VS response plan;
- Collaboratively work to create a response plan document applicable for multi-hazard response framework for different scenarios.
- Work on an agreed Terms of Reference for the National Contact Point on DMRR



• WOAH workshop on DMRR Agenda

WOAH Updates

- WOAH and global and regional strategy on Disaster Management and Risk Reduction
- WOAH Guidelines on Disaster Management and Risk Reduction in Relation to Animal Health and Welfare and Veterinary Public Health
- WOAH Competency Framework and e-learning Platform (CP6)
- Country reports (overview of state of play - legislation, implementation of the WOAH guidelines and main challenges)
 - Bulgaria, France, Greece, Iceland, Romania and Spain

Thematic technical lectures

- Lecture on the contingency framework - Overview of disaster management and risk reduction Introduction to Disaster Response Planning Objectives and role of Veterinary Services (VS) by *Dr Hayley Squance (Massey University, New Zealand)*
- Introduction To Animal Disaster Response Operations For Decision Makers by *Mr John Peaveler (Humane Innovations)*
- Process for Developing and Structuring Response Plans by *Dr Jimmy Tickel (EmVetNet)*
 - a) Step-by-step process
 - b) Stakeholder engagement and coordination

WOAH workshop on Response Plan Development for Disaster Management and Risk Reduction

08 – 10 July 2025, Bucharest, Romania

This workshop is funded by Spain and the Royal Society for the Prevention of Cruelty to Animals, and kindly hosted by Romania.



Programme

DAY 1: July 2025

09:00	Registration and welcoming of participants	
Session 1:	State of play	Chairperson:
09:30 – 09:45	Opening remarks	<i>Dr Csutak Nagy (Romania)</i> <i>Tomasz Grudnik (WOAH)</i>
09:45 – 10:00	WOAH Global activities check with HQ	<i>Daniel Donachie - Online (HQ colleague)</i>
10:00 – 10:15	WOAH Platform on animal welfare for Europe	<i>Tomasz Grudnik / Fernando de Abreu (WOAH)</i>
10:15 – 10:30	WOAH Competency Framework and eLearning Platform	<i>Hana Abdelsattar (HQ colleague)</i>
10:30 – 10:45	Q&A / Discussion	
10:45 – 11:00	Coffee break	

• **WOAH workshop on DMRR Agenda**

Working group exercises – case studies

- Working group exercise I - *identifying key challenges*
- Working group exercise II - *Outcome of the previous exercise and possible solutions*
- Working group exercise III - *possible solutions*

Partners and Stakeholders presentation

- Centre for Disaster Veterinary Medicine by Ms L. Tuominen (SLU)
- European cooperation during emergencies: the role of the Union Civil Protection Mechanism and the Emergency Response Coordination Centre by Ms Sien VANLOMMEL – (European Commission - DG ECHO)



Veterinary Services Contingency & Response Plans

Aspect	Contingency Plan	Response Plan
Scope	All phases of DM	Response (and some early recovery)
Focus	Risk scenarios, systems thinking, resource planning	Immediate operational actions
Timeline	Before, during, and after an emergency	During and shortly after an emergency
Used for	Preparedness, continuity, strategic alignment	Incident response, logistics, coordination
Approach	Strategic	Tactical

Animal Emergency Management (AEM)

- Management function for animal welfare in emergencies

Emergency management **four phases**

Mitigation

Planning

Response

Recovery

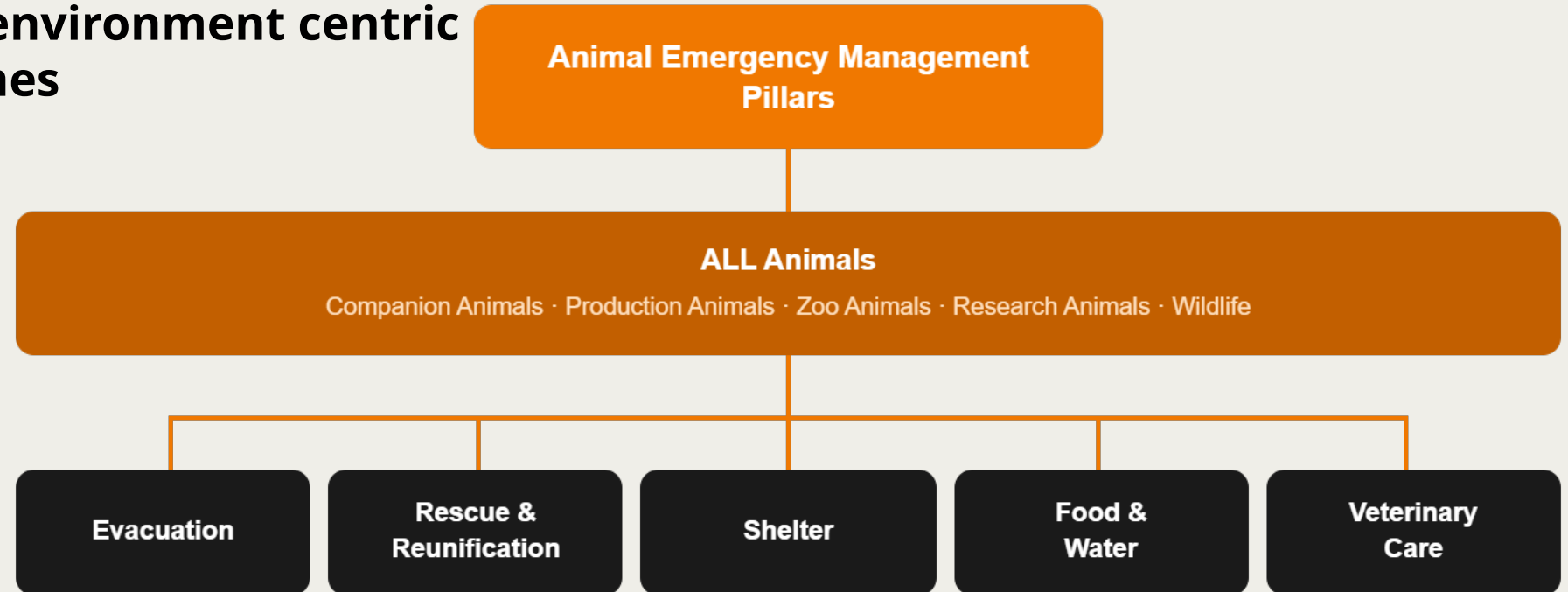
- **Mitigation:**
 - Building consent, appropriateness of land use
 - Reducing stock density
 - Stockpiling supplemental food
 - Investing in breeds that cope with conditions eg draughts
 - Vaccination programmes
- **Planning**
 - AEM Plans
 - Public Education
 - Training
- **Response:**
 - Impact and need assessment
 - Rescue, Shelter, Field hospital, field triage
 - Intelligence
- **Recovery:**
 - Restoration of infrastructure
 - Reunification, assess response

**Dr Hayley
Squance**

Unlocking Potential,
Building Resilience.

Animal Emergency Management (AEM) Principles

- All species & all hazards approach
- Multiagency
- Transdisciplinary approach
- Human-animal-environment centric
- Humane outcomes



Roles of Veterinary Professionals in response and recovery

Who are they:

- First responder
- Emergency Operations Centre
- Emergency Shelter Teams
- Veterinary Practice Preparation
- Collaborative Intelligence Contributors
- Local Veterinary Practice Coordination Hubs
- Recovery Navigators
- Trusted Advisors



Response Phases

- Monitor
- Activate a Response
- Deploy teams
- Escalation
- De-escalation

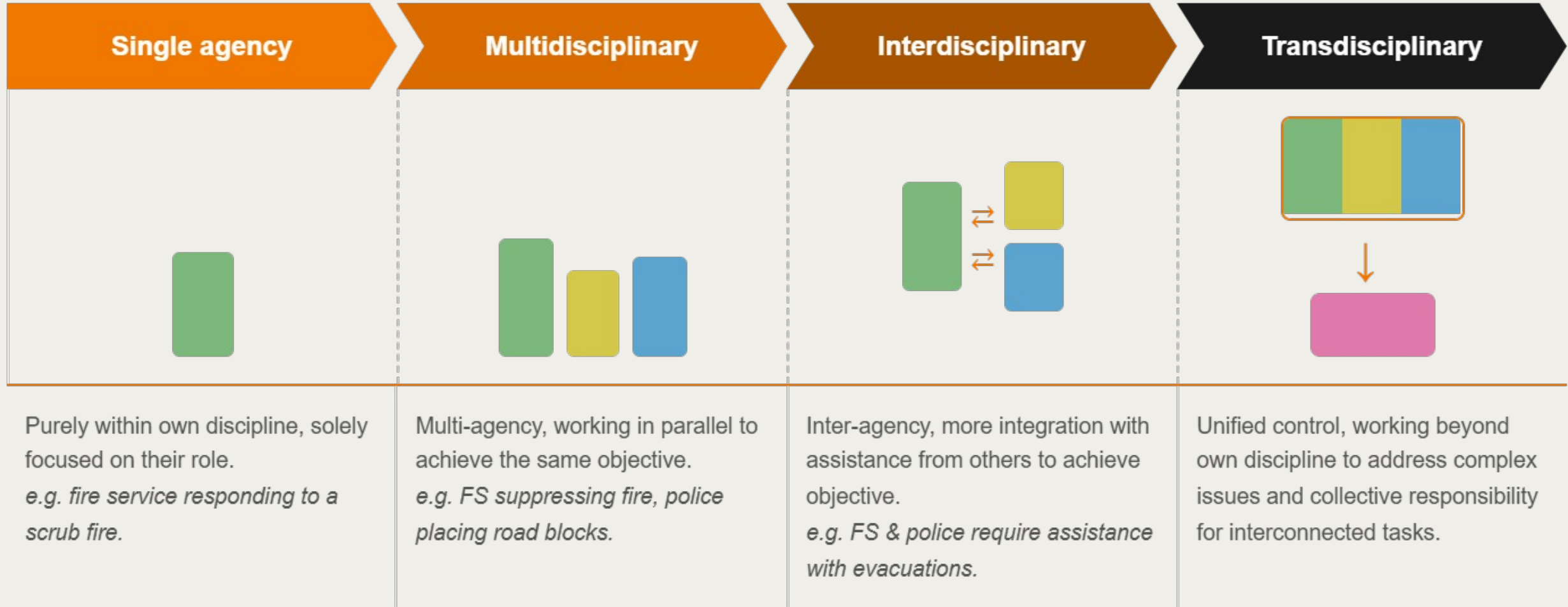
Roles of Veterinary Professionals in response and recovery

Setting the scene

- Build a constructive and positive culture
- Set operational periods, response objectives
- Response tempo – schedule
- Initiate Action Plan

Decision Making Process





Source: Adapted from Matsuura and Razak (2019)

Mission types and components

- What you're required to do.
 - What you want to do.
 - What society expects you to do.
- Core situations you may find
 - Rescue
 - Sheltering
 - Feeding and Watering
 - Disease Management
 - Deceased Animal Management
 - Community Awareness (of resources and incident facts)
 - Needs to be represented in a larger response infrastructure



Mission types

- **Assessment**
- **Search and Rescue**
 - **Water**
 - **Technical**
 - **Fire**
- **Welfare Checks**
- **Evacuation**
- **Reunification**
- **Aid Distribution**
- **Emergency Sheltering**
- **Patrols**
- **Cat Management**
- **Shelter in Place**
- **Pop-up Clinics**
- **Animal Transport**
- **Donation Management**
- **Bio Security Measures**
- **Emergency Feeding and Watering**
- **Deceased Animal Management**
 - **De-Population**



- **Disasters come in all shapes and sizes. Larger events will very rapidly exceed any individual or organization's capabilities.**
- **One of the core ways to help ensure a coherent, organised, and professional response is through regular communication and collaboration with other public safety entities.**

Challenges and limitations

- Training, credentialing
- Animal Services agencies have limited resources
- Usually, inadequate vehicles and other equipment
- Often limited linkages to other agencies
- Often limited to no specialised disaster equipment
- Training budgets are minimal, especially for disaster
- Public expectations



Safety awareness

- Disaster zones are often exceptionally hazardous
- Personal Protective Equipment (PPE) is essential
- Toxins may be airborne, topical, or waterborne
- Electrical lines and other infrastructure may be damaged
- Bio-security concerns, including species exclusions

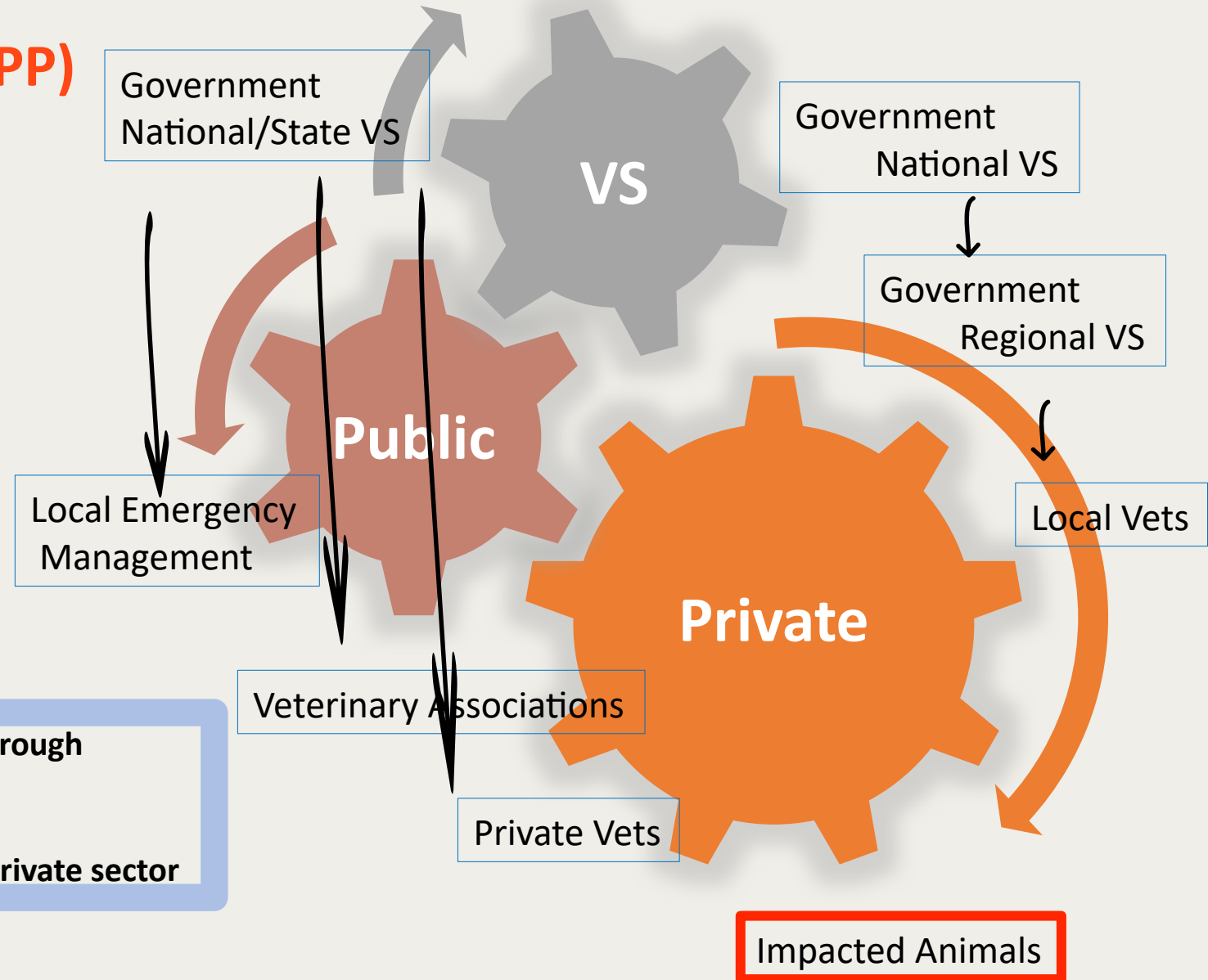


Communication and information management

- Imagine a quickly expanding disaster with cascading system failures.
 - How do we continue to function?
 - How do we organise information?
 - How do we reunify pets with owners efficiently?
 - What happens when we need help?
 - How do we safely manage our teams?
- Cellular infrastructure is often damaged; mobile towers are quick to come online in some areas
 - Radio systems vary and may include:
 - VHF
 - UHF
 - Ham
 - FRS
 - Many organisations are using WhatsApp for disaster communications
 - Make groups for responders, leadership, etc., to streamline communications

Public Private Partnership (PPP)

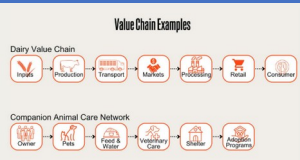
Many of the resources and capabilities needed to do what the government would like to do are held by the private sector, so we should pursue multiple approaches to recruit them.



Countries with the best response build partnerships through multiple approaches:

- 1) funding
- 2) leverage the relationships that exist in the private sector

Recruit private sector agencies as partners

Understand	First, understand how they would be impacted by disasters Primary, secondary and tertiary impacts (cascades)	
Assist	Assist more than harm- (regulatory disease versus natural disaster response)	
Empower	Empower their self-reliance and ability to recover	
Reward and incentivise	Reward and incentivize preparedness and response ability (> biosecurity = indemnity)	
Recognize	Recognize their efforts (media > reinforces effective actions)	

To recruit the Private Sector, you must understand the Private Sector as a system

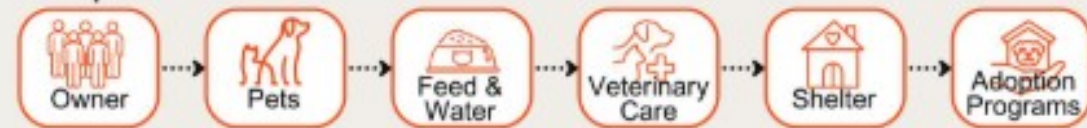
- Associations
- Industry (poultry, livestock, aquatic)
- Owners
- Veterinarians
- Pet shops
- Zoos and Aquariums
- Game Ranches
- Conservatories
- Feed Stores
- Animal Shelters
- Equipment providers

Value Chain Examples

Dairy Value Chain

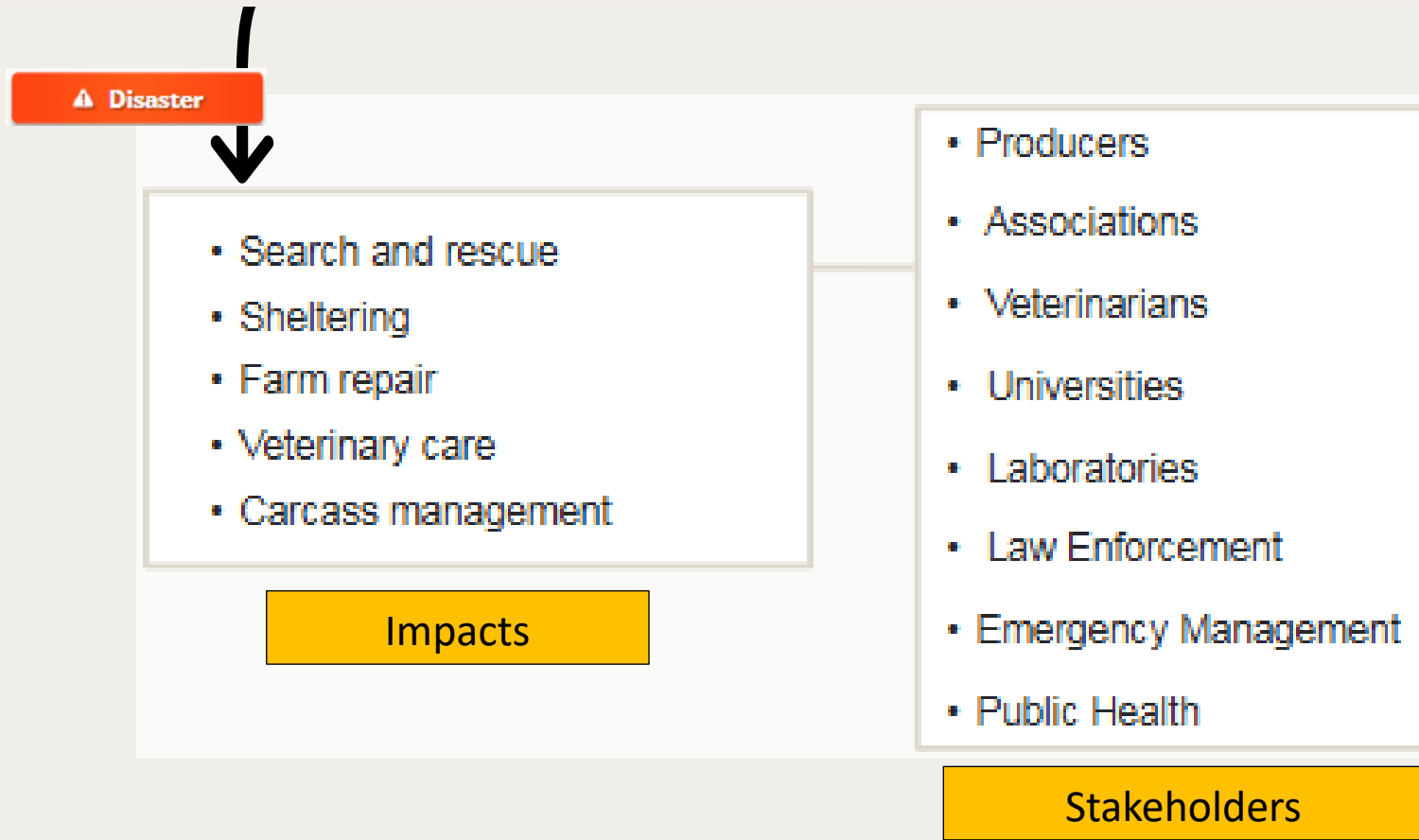


Companion Animal Care Network



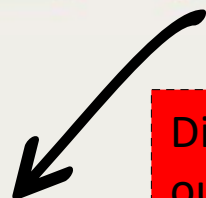
Value chain: effects of disaster

Dairy Value Chain



"Lag"
5-7 days





Disease
outbreak

- Biosecurity
- Vaccination
- Depopulation, Disposal, Decontamination
- Testing
- Security
- Zoonotics
- Agro-terrorism Crime Investigation

Impacts, challenges,
solutions

***Use systems approach to
understand planning
needed***

Each value chain
should be represented
in disease response
planning process through
Working groups containing
appropriate Stakeholders

Node specific working
groups develop Operational
protocols

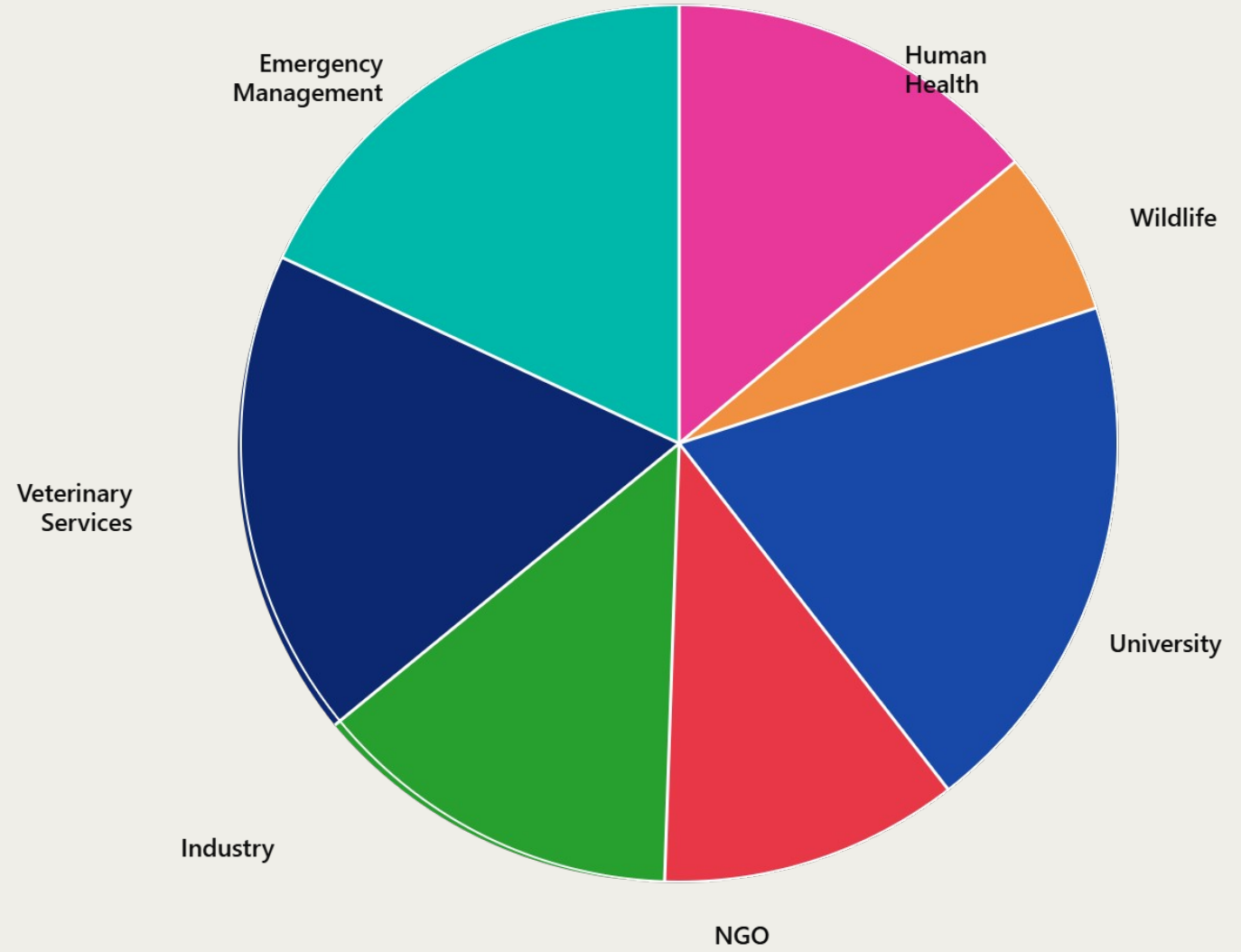
- Producers
- Associations
- Veterinarians
- Universities
- Laboratories
- Law Enforcement
- Emergency Management
- Public Health

Stakeholders

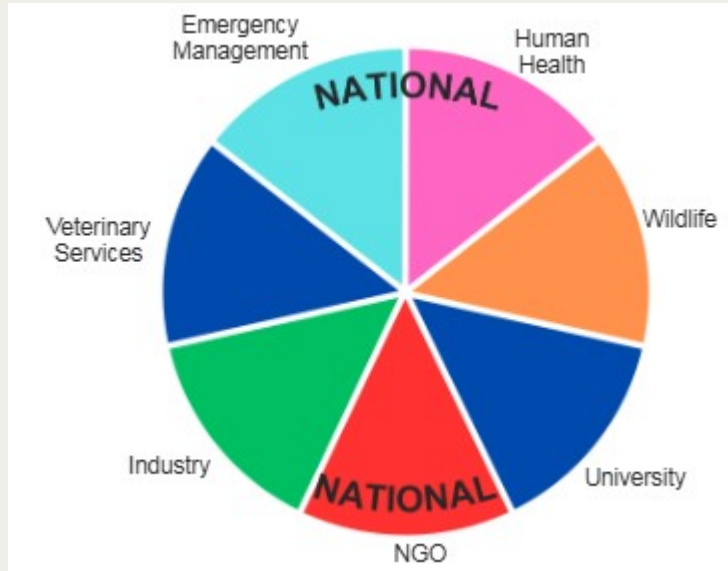
The Partners' Wheel

The Partners Wheel is a tool that helps to visualise how relationships can be used to build a foundation for successful preparedness and response efforts.

The wheel is constructed by letting each edge of the wheel decipher the potential preparedness partners that VS would work with to protect and respond to threats to animals. (Adapt to be country-specific)



The Partners' Wheel Levels





International
partners added
to the Partners
wheel

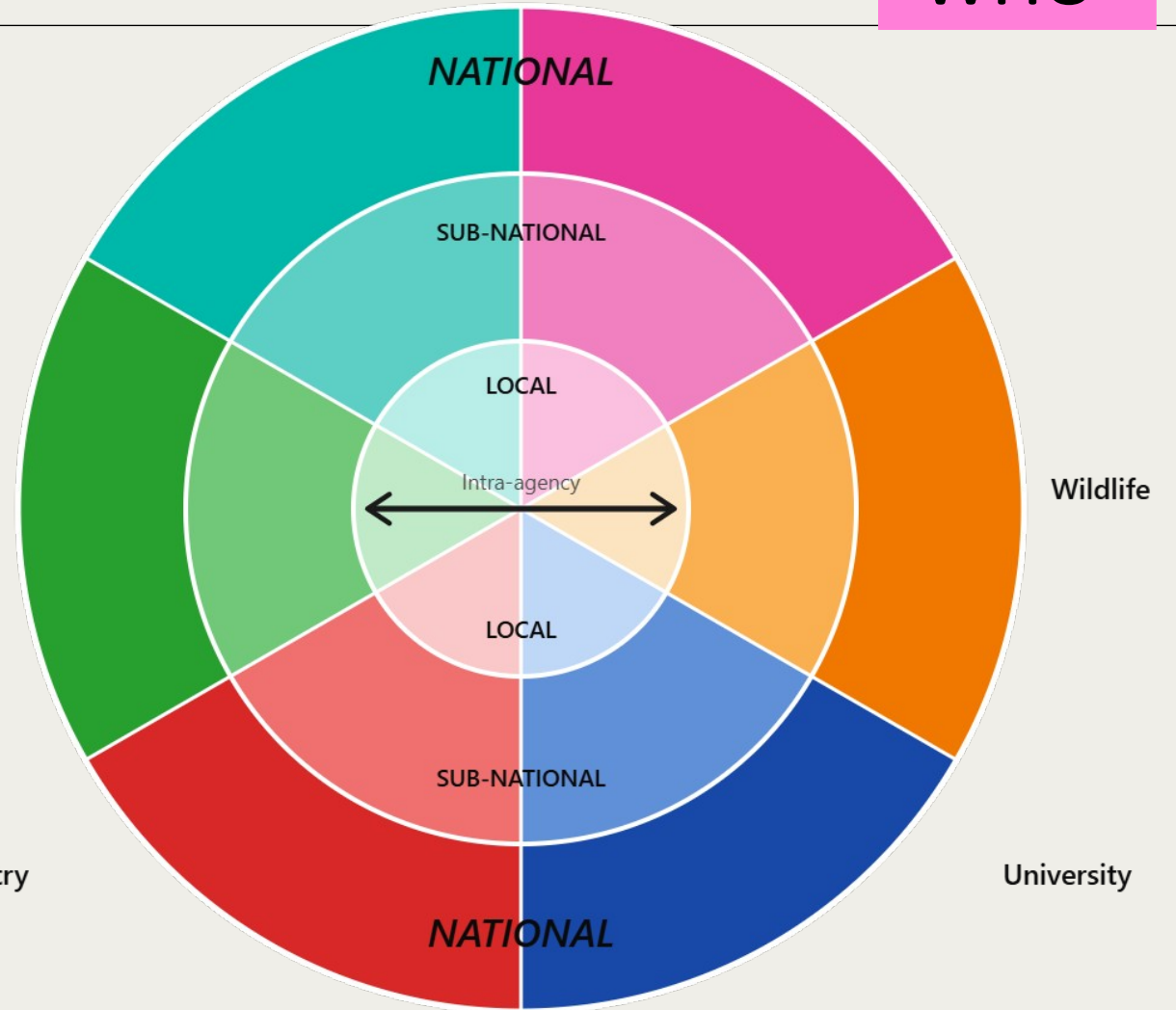
VOAH,

Veterinary
Services

Industry

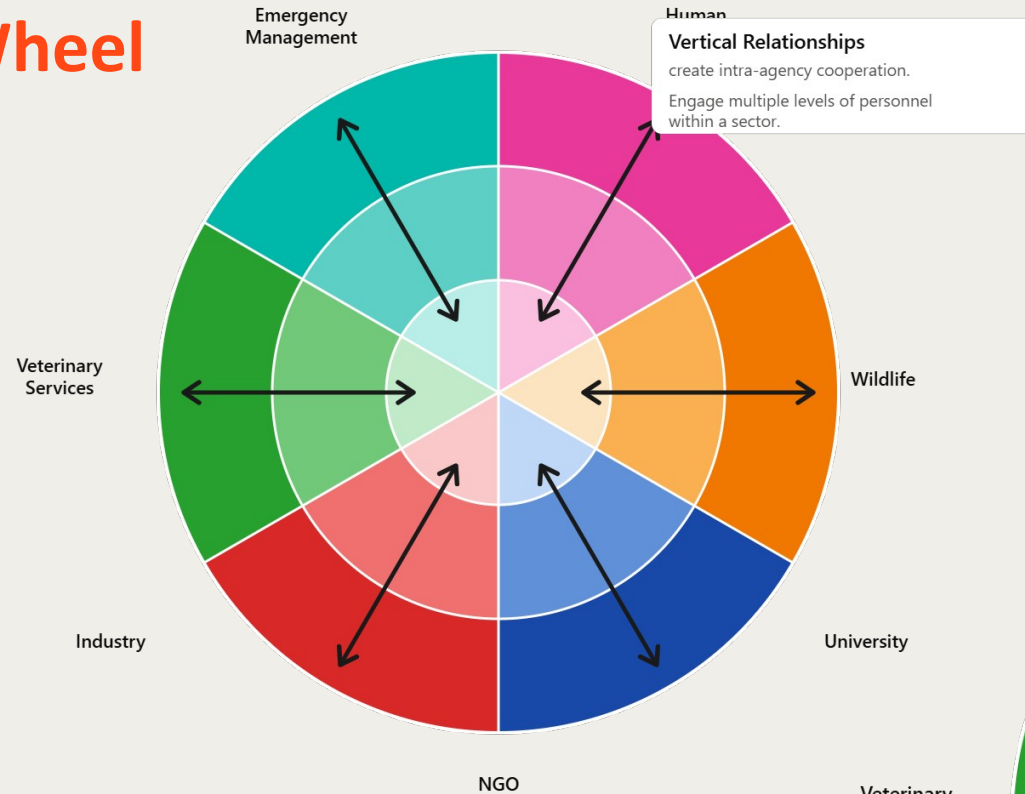
NGO

World Veterinary
Association

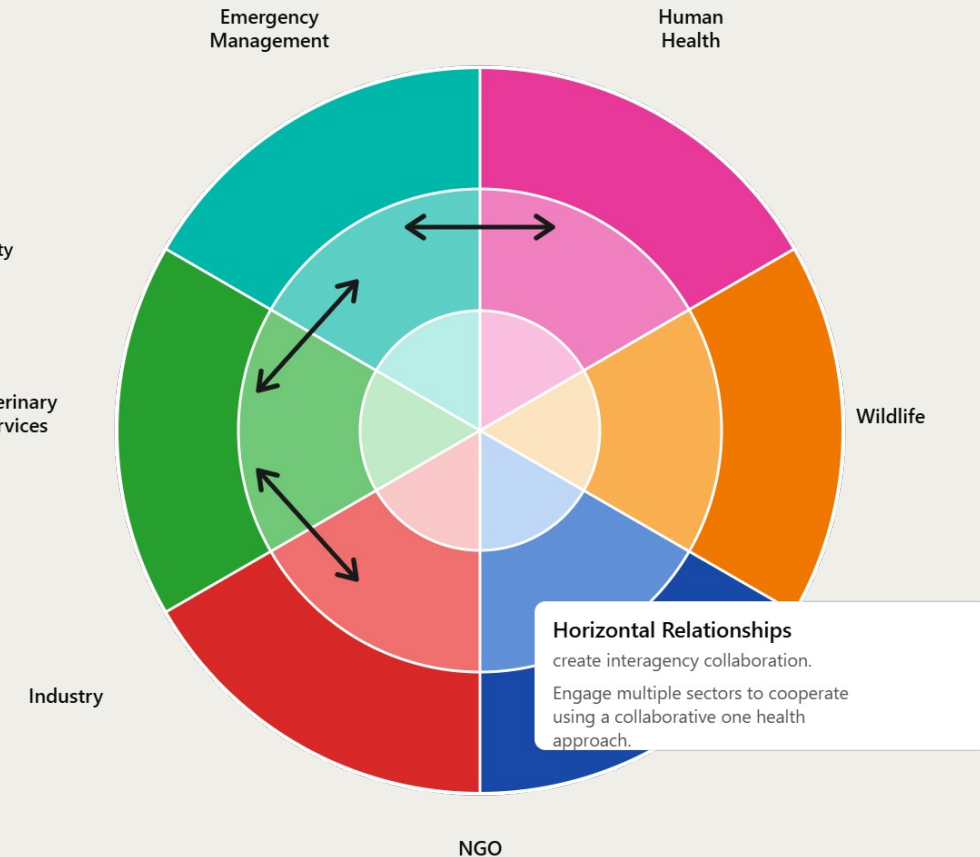


The Partners' Wheel

Intra-agency or
“Vertical”
relationships

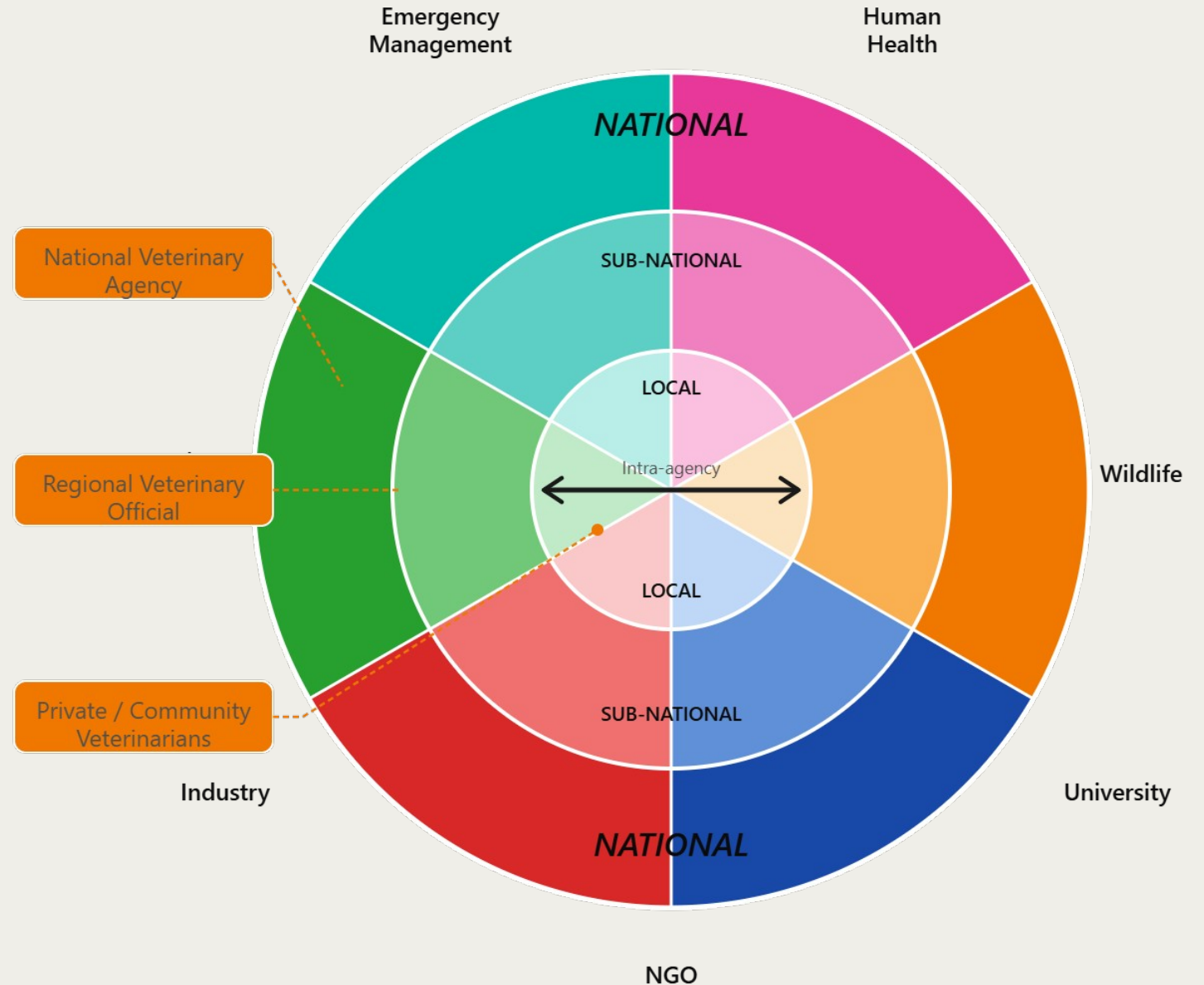


Inter-agency or
“Horizontal”
relationships



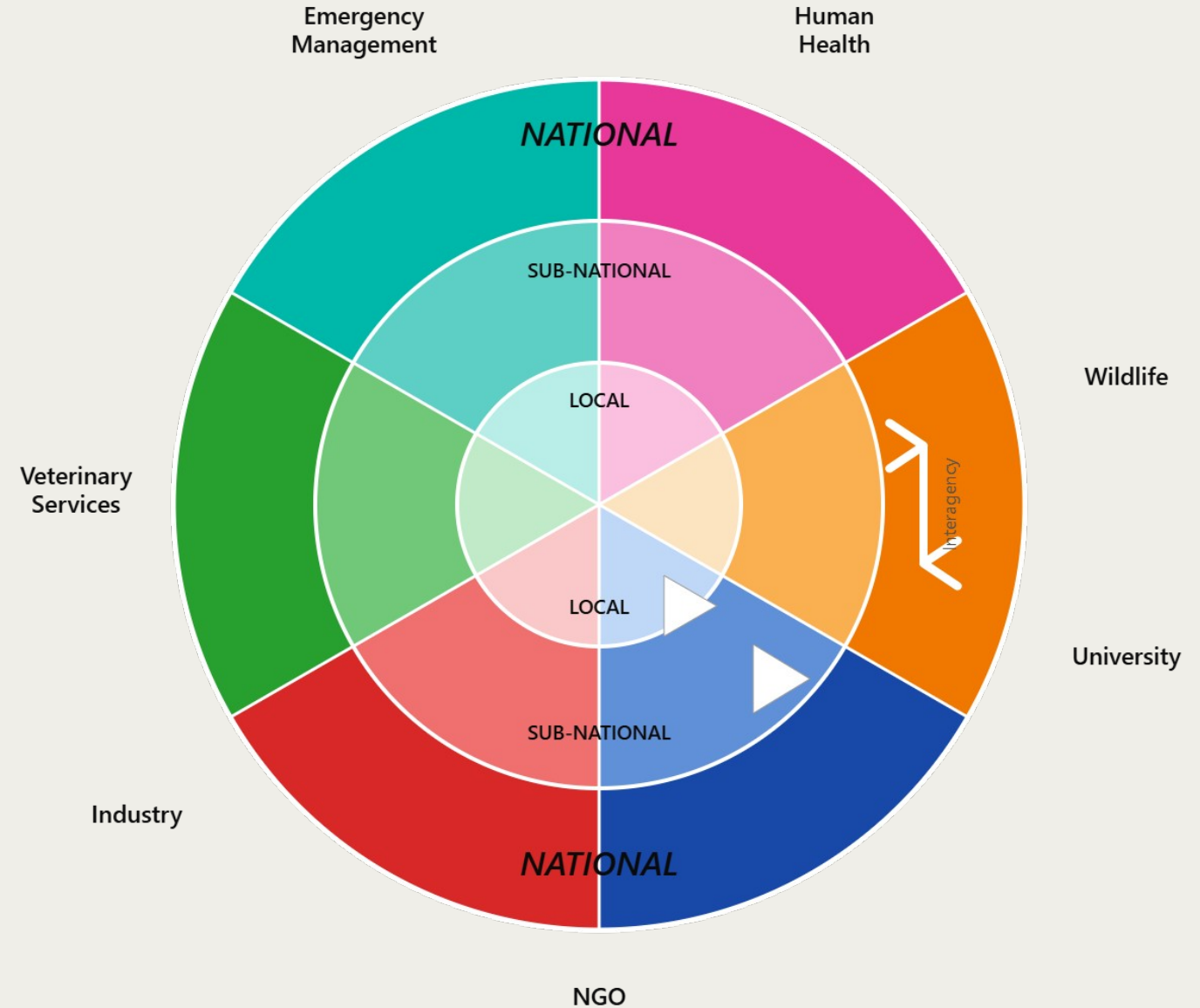
Response Partners' Wheel

- Standardised terminology
- Business continuity
- Collaborative Problem-solving
- Resource sharing
- Use of existing communication channels
- Familiarity with business models
- Existing business and personal relationships



Response Partners' Wheel

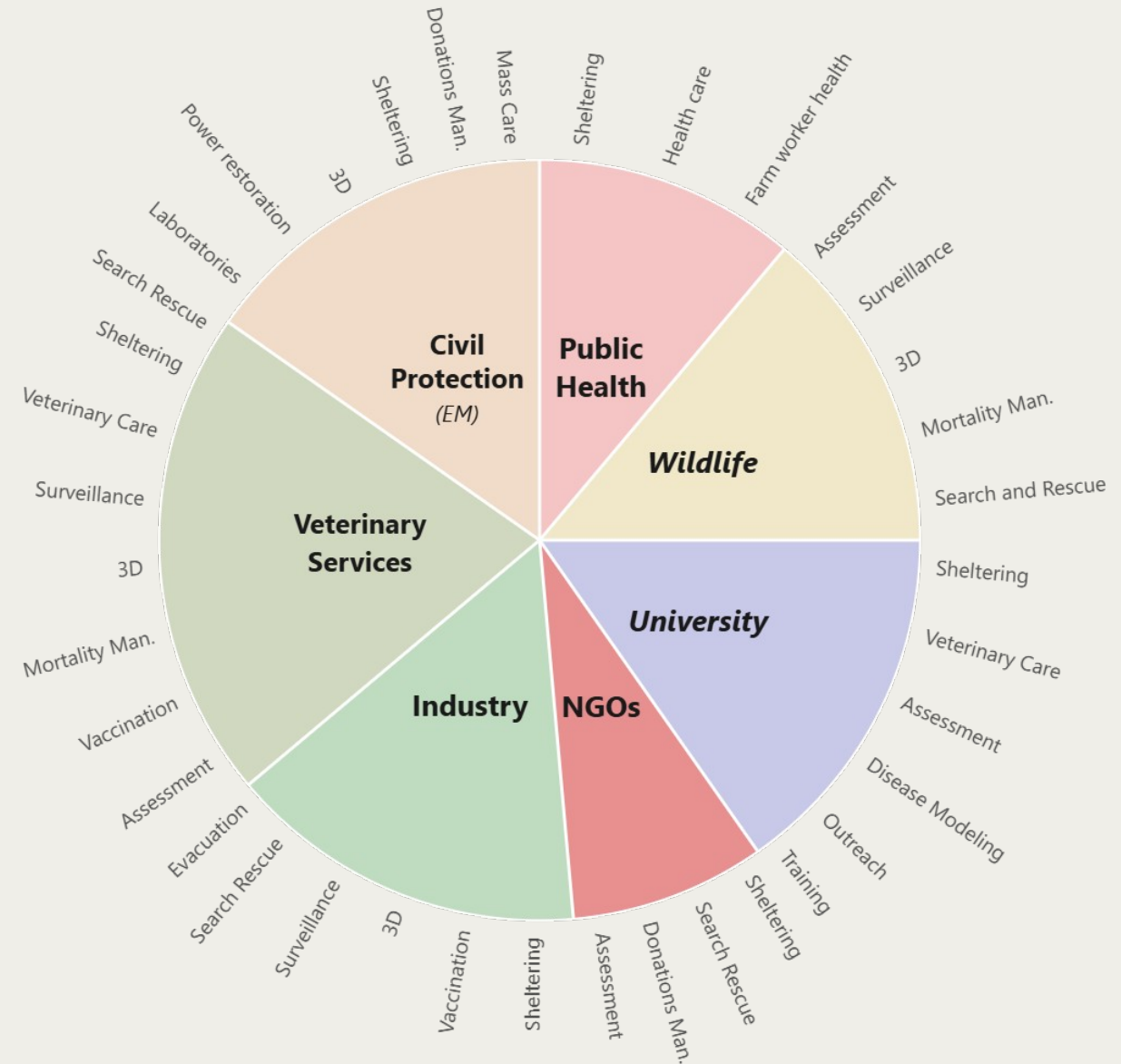
- Multidisciplinary expertise and experience
- Ensures a whole-of-government, whole-of-private sector approach for each phase of disaster management cycle
- Resources and support
- Advocacy for animal welfare preparedness efforts as a part of One Health approach



Interagency Cooperation

Response Partners' Wheel

- Planning for collaboration horizontally and vertically with each sector will allow you to respond with more capabilities than any one individual sector could provide.
- Wheel shows where response roles have been assigned to the different partners.
- Here you can see which partners would work together for a specific response capability (task)



Outcomes from 2025 WOAHA workshop on Response Plan Development for Disaster Management and Risk Reduction:

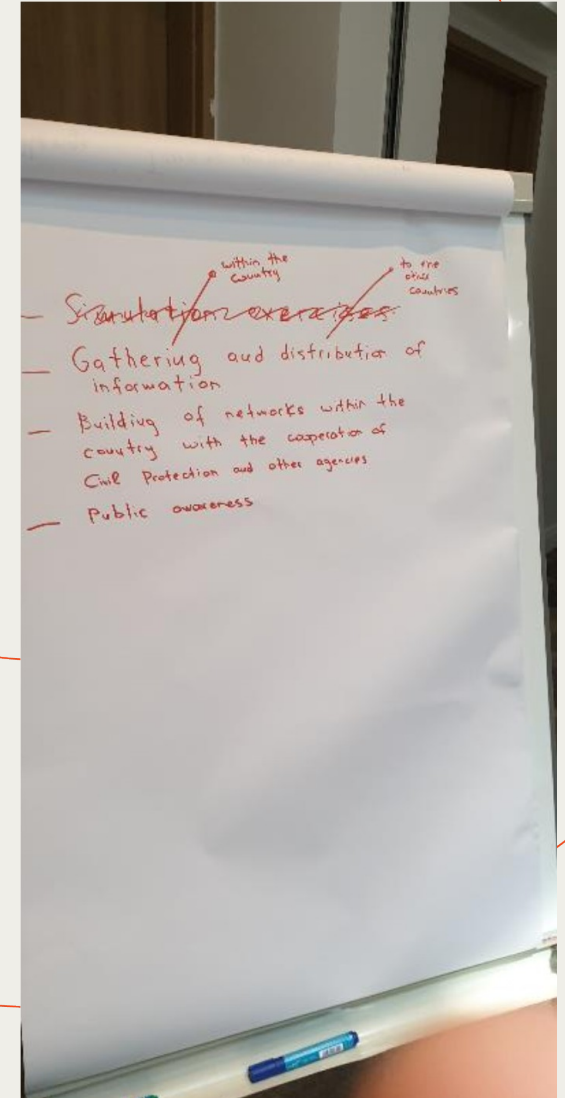
- Further **strengthen communication** and collaboration between Competent Authorities and stakeholders: Include international Civil Protection actors/organisations working in Disasters in future meetings
- Develop specific protocols/procedures and **harmonise templates** related to technical and administrative aspects of DMRR
- Promote **development of digital information** management applications
- Foster the possibility of having a simulation / practical exercise
- Development of the National Contact Points on Disaster Management and Risk Reduction



“Collective power”

All WOAHA Delegates of the WOAHA Regional Commission for Europe are invited to nominate a National Contact Point on Disaster Management and Risk Reduction (hereafter 'Contact Point') and consequently inform WOAHA. The Delegate shall inform WOAHA whenever there is a change of the nominated Contact Point.

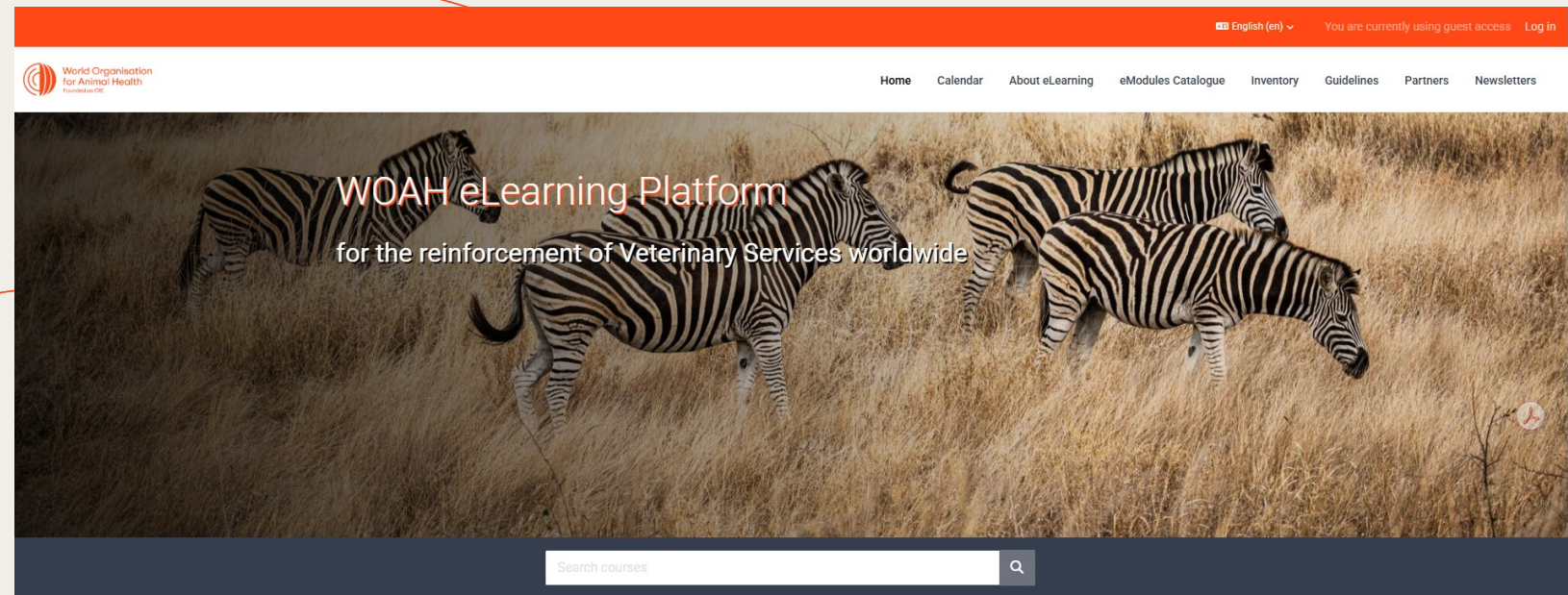
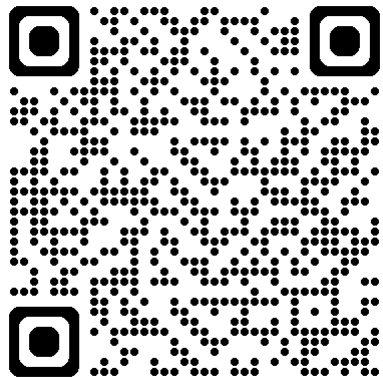
- Is placed under the supervision of the WOAHA Delegate.
- Should be allowed to have direct exchanges of information, by email and other forms of communication, with the network of Contact Points
- Should maintain a high-level coordination with the WOAHA National Focal Point for Animal Welfare (hereafter 'the Focal Point'), when Contact Point and Focal Point are different.
- The Secretariat of the WOAHA Platform on Animal Welfare for Europe is responsible for establishing and keeping updated the list of National Contact Points in Europe.
- The WOAHA Platform may organise meetings of the Network, allowing the Contact Points to discuss common issues and share best practices related to Disaster Management and Risk Reduction.





The WOAHE Learning Platform is a global, self-paced, and interactive training space. The WOAHE Learning Platform is an **open-access platform**. All eModules are accessible free of charge. It reflects the WOAHE knowledge system based on its **international standards** and scientific literature.

- Competency-based
- Learner-centered
- Expert-driven





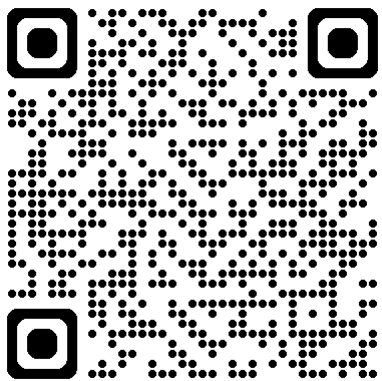
E-module on emergency management (CP6)

39

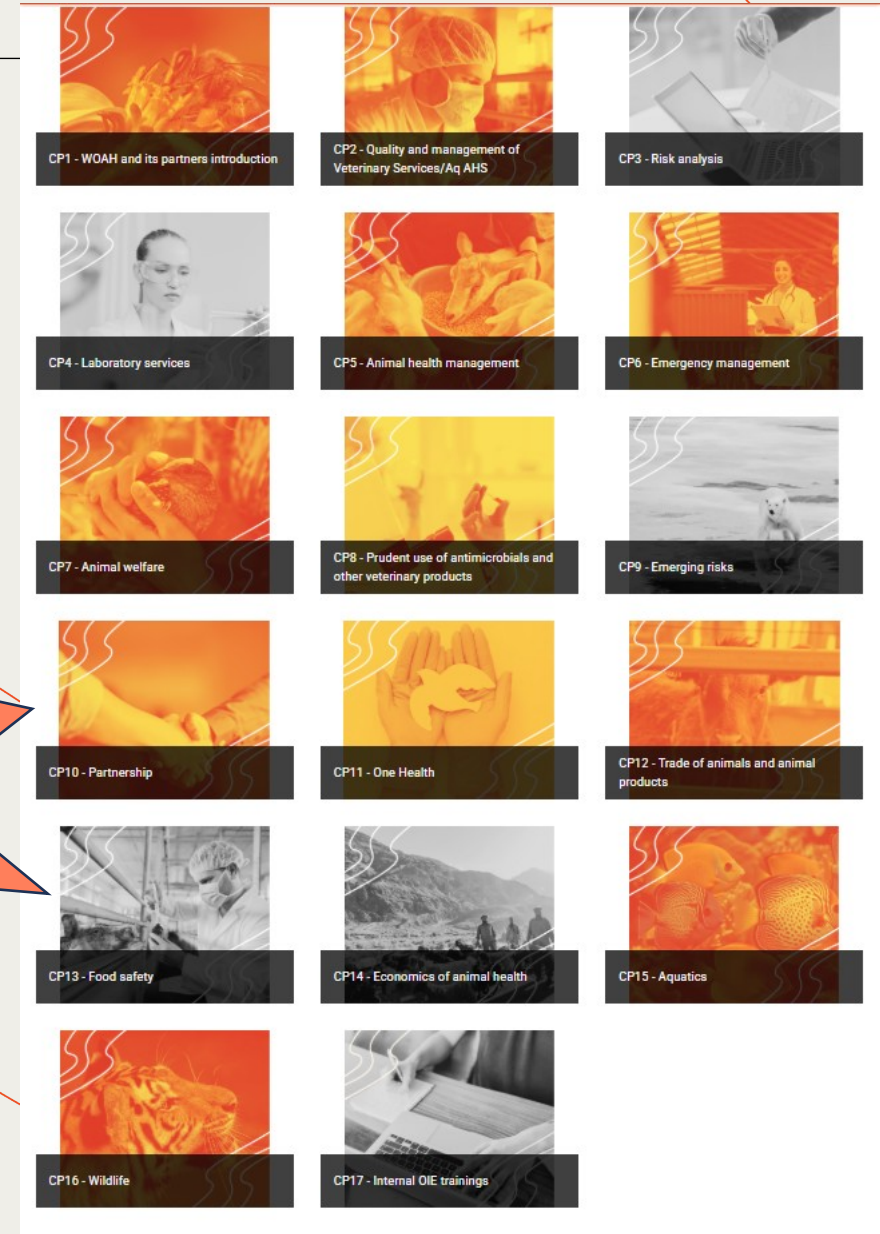
At WOAHA, we believe learning goes beyond sharing information. It's about **building real competencies**.

Our modules are organised into **17 Competency Packages (CPs)** covering essential areas of animal health and welfare.

Over 40
online
eModule
under 17
Competency
Packages



<https://rr-europe.woah.org/en/online-training-e-learning/>





Who is it for?

Field epidemiologists, laboratory technicians,
and animal welfare experts

Veterinary Services and Aquatic Animal
Health professionals

Policy makers and technical officers

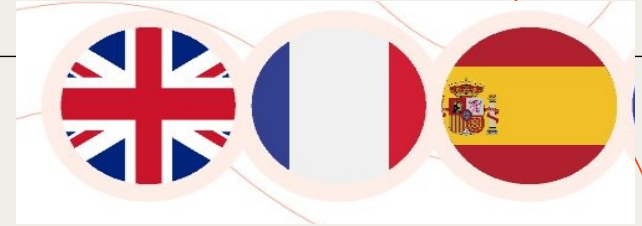
Specialists in safe trade and risk analysis

Our learning
opportunities are
open to
**a wide range of
professionals**



Who is it for?

Veterinary Services



Interactive and Engaging



Videos



Podcasts



Case studies



Quizzes

Expert

Day 2

Day 1



Day 1 Level

Kickstart your journey with essential knowledge and skills.



Day 2 Level

Boost your expertise and confidently apply it in real-world settings.



Expert Level

Master advanced competencies to lead and innovate in Veterinary Services.



World Organisation
for Animal Health
Founded in 1924

Home My trainings Site administration About eLearning eModules Catalogue Guidelines Partners



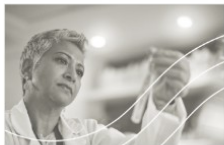
CP1 - WOAH and its partners introduction



CP2 - Quality and management of
Veterinary Services/Aq AHS



CP3 - Risk analysis



CP4 - Laboratory services



CP5 - Animal health management



CP6 - Emergency management



CP7 - Animal welfare



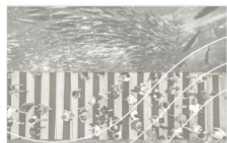
CP8 - Prudent use of antimicrobials and
other veterinary products



CP9 - Emerging risks



CP10 - Partnership



CP11 - One Health



CP12 - Trade of animals and animal
products



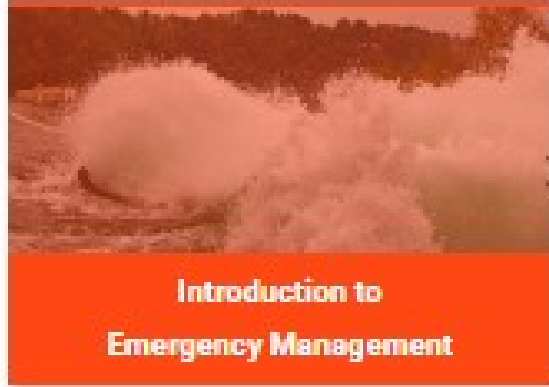
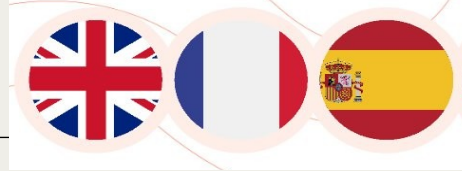
Introduction Emergency and Disaster Management

PDF Description:

eModule Title	Educational level
Introduction to emergency and disaster management	Day 2
Planning for emergencies and disasters	Day 2
Planning for emergencies and disasters	Expert
Emergency and disaster response	Day 2



E-module on emergency management (CP6) and educational levels



Introduction to
Emergency Management

Planning Preparedness
for Emergencies

Emergency Response

LEVEL	KNOWLEDGE	SKILLS	COMPETENCIES
DAY 2	Specialised knowledge as the basis for original thinking and/or research/innovation Critical awareness of knowledge issues in a field and at the interface between different fields	A comprehensive range of cognitive and practical skills required to develop (creative) solutions to specific problems. Specialised problem-solving skills required to develop new knowledge and procedures and to integrate knowledge from different fields	Manage technical or professional activities or projects, taking responsibility for decision making. Take responsibility for managing small groups Demonstrate professional integrity
EXPERT	Knowledge at the most advanced frontier of a field of work or study and at the interface between fields	The most advanced and specialised skills and techniques, including synthesis and evaluation, required to solve critical problems and to extend and redefine existing knowledge or professional practice	Manage and transform work contexts that are complex, unpredictable and require new strategic approaches. Take responsibility for contributing to professional knowledge and practice and/or for reviewing the strategic performance of teams. Demonstrate innovation, autonomy, scholarly and professional integrity. Act as a technical leader, in the framework of his/her responsibilities

Entry Test

Emergency Response eModule

Learning Certification

Evaluate the eModule

Glossary

Credits



Introduction to Emergency Management

This course provides veterinary professionals with practical knowledge and skills for managing emergencies and disasters. It covers key concepts, command structures, and the veterinarian's role in the entire management cycle—from preparedness to recovery. Participants will gain experience in coordinating with stakeholders, understanding regulatory frameworks, mobilizing resources, and implementing communication systems, while integrating gender equity, diversity, and inclusion principles into emergency response planning.

Enrollment method: self-enrolment

Level: Day 2

Learning Outcomes:

By the end of the module, learners will be able to:

- ✓ Apply command chain practices within Veterinary Services
- ✓ Identify key stakeholders in emergency management
- ✓ Use frameworks for legislation, resources, communication, and knowledge sharing
- ✓ Conduct audits, after-action reviews, and integrate lessons learnt

- This training ensures Veterinary Services are prepared, responsive, and resilient in the face of emergencies affecting animals, humans, and ecosystems.



Planning Preparedness for Emergencies

In this module, you, as an expert-level Veterinary Services Emergency Manager, will be provided an overview of the approaches, and tools, that would help you assess, and assist a jurisdiction to develop a framework, and an emergency plan. Your plan will incorporate the main actors and stakeholders into a coordinated, functional response force.

Duration: 6 hours

Enrollment method: self-enrolment

Level: Expert

Learning Outcomes:

By completing this module, learners will be equipped to:

- ✓ Lead the development of comprehensive, multi-disciplinary emergency and disaster plans for Veterinary Services
- ✓ Coordinate key actors across local, national, and international levels—advocating for policy and operational change
- ✓ Oversee the implementation of emergency plans, ensuring continuous improvement in managing veterinary responses and reducing risk impacts

•This training empowers Veterinary Services to act strategically and collaboratively in complex emergency contexts, strengthening resilience across the system.



Emergency Response

This module will discuss the main Emergency Management and risk reduction measures to protect animal health and welfare during emergencies. We will also consider One Health aspects of emergency and disaster events, including veterinary public health. While other modules focus on concepts and planning, this module will focus on responding to these unfortunate events.

Duration: 4 hours

Enrollment method: self-enrolment

Level: Day 2

Learning Outcomes:

- ✓ Describe the main emergency management and risk reduction measures to protect animal health and welfare, veterinary public health and One Health during emergency and disaster events
- ✓ Explain the key pillars of an animal disease response
- ✓ Interpret the structure and purpose of national contingency plans and their application by Veterinary Services in emergencies.
- ✓ Explain how Veterinary Services respond to an emergency situation, participate in an After-Action Review
- ✓ Explain the principles of risk communication to be applied during an emergency situation
- ✓ Describe how the Incident Management System operates within the context of veterinary emergency response.



✕

General

Announcements

Entry Test

Entry Test

Introduction to Emergency Ma...

1. Introduction to Veterina...

2. Veterinary Science and ...

3. Veterinary Services Pla...

4. Case Study: Multicount...

Learning Certification

Final Test

Evaluate the eModule

Course Feedback

Glossary

Glossary

Credits

World Organisation
for Animal Health
Inter-departmental Unit

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1. Introduction to Veterinary Emergency Management

SCORM package Settings Reports More ▾

Introduction to
Emergency and
Disaster
Management_Un
it 1

29% COMPLETE

UNIT 1: INTRODUCTION TO
VETERINARY EMERGENCY
MANAGEMENT

Unit Overview

Learning Objectives

Introduction to Veterinary
Emergency Management

Emergency and Disaster
Definitions

The Emergency and Disaster
Management Cycle

Veterinary Emergency and
Disaster Background: Types

Topic 3 - Introduction to Veterinary Emergency Management

Topic 4 of 14

Emergency and Disaster Definitions

"A serious disruption of the functioning of a community or a society at any scale due to hazardous events interacting with conditions of exposure, vulnerability and capacity, leading to one or more of the following: human, material, economic and environmental losses and impacts."

United Nations Office for Disaster Risk Reduction

As an annotation, the United Nations Office for Disaster Risk Reduction further explains, "The effect of the disaster can be immediate and localised but is often widespread and could last for a long period of time. The effect may test or exceed the capacity of a community or society to cope using its

Exit activity

certification

- At the beginning of the module, there is an entry test to check the starting level
- At the end of the module, the learner must pass a final test that is structured to assess the competencies defined and acquired.
- By passing 70%, the learner gets a badge together with a certificate.





organised by the European Commission's Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG ECHO)

Civil Protection Village *exhibition space*

WOAH exhibition stand:

- Raise awareness within the civil protection community
- Exploring opportunities for collaboration

39 conversations:

- National Civil Protection Services
- NGO
- Governmental agencies
- Academia
- Business
- International organisation
- EU bodies





9th European Civil Protection Forum 2026

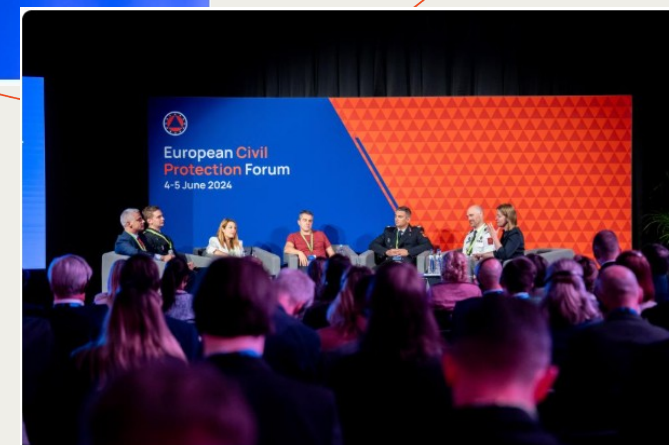
3-4 November, Tour & Taxi, Brussels

50

organised by the European Commission's Directorate-General for European Civil Protection and Humanitarian Aid Operations (DG ECHO)

Focus on preparedness: towards a more **anticipatory, integrated and resilience-based approach** promoted by the Preparedness Union Strategy.

- **Exhibitors Stand:** *WOAH's role in disaster preparedness and biological threats*



Panel during the European Civil Protection Forum 2024. © European Commission.



WOAH Platform
on animal welfare
for Europe

4th Action Plan for 2024 - 2026

2024



REGIONAL MULTI HAZARD WORKSHOP ON
CONTINGENCY PLANNING FOR ANIMAL
WELFARE IN NATURAL DISASTERS FOR
EUROPE

2025 - 2026



THEMATIC MEETINGS

2026



SIMULATION EXERCISE FOR THE TESTING OF
SELECTED COUNTRIES CONTINGENCY PLANS
FOR ANIMAL WELFARE IN NATURAL DISASTERS
IN EUROPE



• WOA table top exercise on Response Plan Development for Disaster Management and Risk Reduction

2026/2027, Lisbon, Portugal



Objectives:

- Workshop on development of simulation exercise for the testing of contingency plan and developed response plan protocols on the welfare of animals during natural disasters in Europe;
- Understand the needs/ challenges of each country to develop VS response plan;
- Work on the multi-hazard response framework for different scenarios;
- Foster Public-Private Partnerships (PPP) collaboration with the veterinary services;
- Continue to improve the Terms of Reference for the National Contact Point on DMRR





Good emergency management practice: The essentials

A guide to preparing for animal health emergencies
Third edition

FAO ANIMAL PRODUCTION AND HEALTH / MANUAL 25



2023

31st
Edition

Vol. 1

Terrestrial Animal Health Code



World Organisation for
Animal Health

February 2017

WHO Simulation Exercise Manual



A practical guide and tool for planning, conducting and evaluating simulation exercises for outbreaks and public health emergency preparedness and response.



Guidelines for Simulation Exercises

A consistent set of good practices for preparing, delivering, and learning from animal health and welfare and veterinary public health simulation exercises for Veterinary Services



World Organisation
for Animal Health
Founded on OIE

Emergency Management

WOAH Guidelines on Simulation Exercises



- Several simulation exercise manuals already but limited guidance for Veterinary Services
- Developed by the **WOAH *ad hoc* Group on Veterinary Emergencies** and published in 2020
- Goal: **Strengthen the capacity** of WOAH Members for preparedness against **all hazards** through a set of simulation exercise **good practices**
- Aim to be **scalable** and **adaptable**. Encourage **multi-sectoral collaboration** and be applicable to a wide target audience. Align with other frameworks and resources.

Swedish Centre for Disaster Veterinary Medicine

- Pilot project 2025-2027 to evaluate possibilities for a permanent Centre
- **Safeguarding** of animal health, animal welfare, and supply of food products of animal origin
- All animals
 - Food-producing animals
 - Wild animals and fish
 - Service animals (military, police, customs, but also guide dogs)
 - Pets: people don't evacuate without their pets, also important for willingness to defend the country)



Focus area: Preparedness and contingency planning

- **Climate related:**

- heat waves
- long-term drought
- water shortage
- wildfires
- storms
- floods



- **Increased preparedness and war**

- CBRNE*
- IT overload
- Refugees with pets → potential new infections
- No tele- och internet communication
- Power failure
- Interrupted/disturbed import/export



* Chemical, biological, radiological, nuclear and explosive

Focus area: Preparedness and contingency planning

- **Existing and emerging threats**
 - Vector-borne diseases, new and/or invasive species (e.g. *Impatiens glandulifera*- Himalayan balsam)
- **Mass evacuation** – big herds
 - What, who, which, when, where, how, why?
- **Triage** for food-producing animals – eg. animals with burns
 - Treat, slaughter or kill?
 - Rapid decisions with great economic impact
 - Direct impact: loss of farm and stables, feed, animals, income etc.
 - Long-term consequences: treatment costs, secondary diseases, impaired immunity, reduced production, ash on fields and water supplies, reconstruction costs etc.
- Etc.



A knowledge centre

- A **network** for collecting and developing competencies
- **Collaboration** between authorities and institutes/organisations
- Research and **education**, continuous professional development
- **Training** and simulation exercises
 - Training of trainers
 - "When we drill together, we win together." Dr D. Tin
- **Communication**: website, workshops, seminars
- **Support** to veterinarians and other relevant actors



Partners

- **Swedish Veterinary Agency**
- **Swedish University of Agricultural Sciences**
- **Swedish Centre for Animal Welfare**
- Swedish Food Agency
- National Board of Agriculture
- District veterinarians
- Swedish Armed Forces
- National Board of Health and Welfare
- County Administrative Boards
- Centre for Disaster Medicine (University of Gothenburg)
- NGOs



Thank you

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