



**AgEcon** SEARCH  
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

# United States Animal Health Association

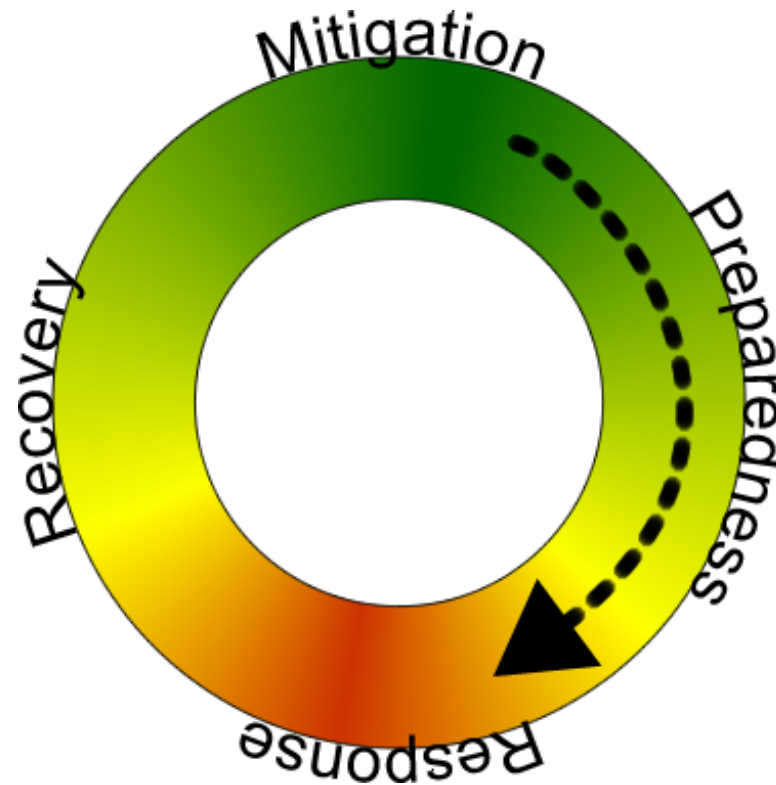
## USDA 2012 Agricultural Outlook Forum



## USDA/APHIS/VS Emergency Response to Disease Outbreaks

José R. Díez, DVM  
Associate Deputy Administrator  
U.S. Department of Agriculture  
Animal and Plant Health Inspection Service  
Veterinary Services  
Emergency Management and Diagnostics  
February 23, 2012

# Phases of Emergency Management



# Emergency Response to Disease Outbreaks

This presentation describes

1. USDA's infrastructure for emergency response
2. Prevention - Actions taken to prevent entry of Foreign Animal Disease into the US
3. Diagnosis - How suspicious cases of disease are investigated and diagnosed
4. Response - to confirmed outbreaks
5. Challenges

# USDA Foreign Animal Disease Infrastructure

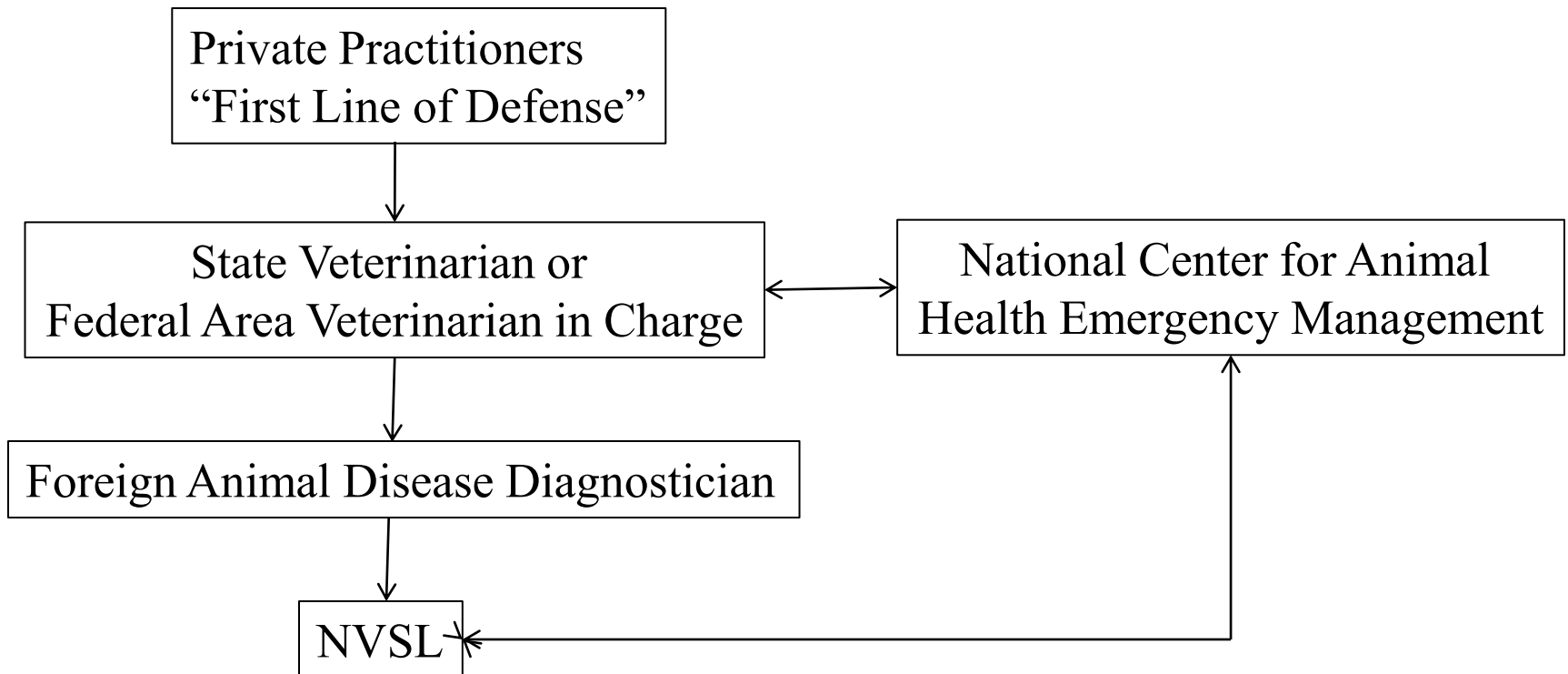
- National Response Framework (NRF)
- Interagency Cooperation
- Trained personnel
- Diagnostic Laboratories
  - National Veterinary Services Laboratories (NVSL)
  - Foreign Animal Disease Diagnostic Center (FADDL)
  - National Animal Health Laboratory Network (NAHLN)
- National Veterinary Stockpile (NVS)
- National Animal Health Emergency Response Corps
- Import Centers

# Preventing Entry of Foreign Animal Disease (FAD) into the US

1. Detect FAD before it enters the US
2. Quarantine and test animals upon arrival in the United States
3. Border controls

# Diagnosis

## Recognizing and Reporting a Foreign Animal Disease



# Response

## When a Foreign Animal Disease is diagnosed

- Inform Stakeholders
- Consult with Trading Partners
- Eradication Process
  - Contain
  - Control
  - Eradicate

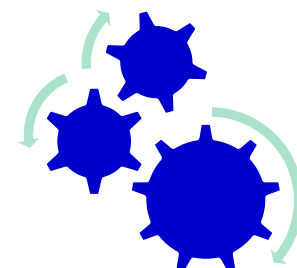




# Response (continued)

## Critical Activities and Tools for Containing, Controlling, and Eradicating a FAD

- Rapid diagnosis and reporting
- Epidemiological investigation and tracing
- Increased surveillance
- Swift imposition of effective quarantine and movement controls
- Continuity of business measures for non-infected premises and non-contaminated animal products
- Biosecurity measures
- Cleaning and disinfection measures
- Effective and appropriate disposal procedures
- Mass depopulation and euthanasia (as the response strategy indicates)
- Emergency vaccination (as the response strategy indicates).



# Response (continued)

## When Foreign Animal Disease is diagnosed

- Recovery (USDA functions)
  - Indemnities
  - Removal of trade restrictions

# Challenges of a FAD Outbreak

- Trade disruptions
  - International and national
  - Collateral markets impacted
- Stakeholder impacts
  - Emotional and economic loss
- Public fears
  - Commodity prices drop
- Strained State and Federal resources
- Environmental protection
- Length of recovery depends on extent of outbreak

# Questions?

