



# **Evolving Approach to Animal Health Emergency Management in Canada's Livestock Industry**

## **Focus on Beef Industry**

*Cross Border Livestock Health Committee  
Pacific North West Economic Region  
Conference  
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ANIMAL HEALTH EMERGENCY MANAGEMENT PROJECT



PROJET DE GESTION DES URGENCES EN SANTÉ ANIMALE



National Voice Of Cattle Producers

# OUTLINE

- Current Status
- What IS The Risk
- Scan of Canadian Approaches
- Emerging Canadian Livestock Industry Approach
  - Plant & Animal Health Strategy, facilitated by CFIA
  - Livestock Market Interruption Strategy, facilitated by AAFC

# 1. CURRENT STATUS:

## Benchmark Survey - EM in CDN Livestock & Poultry Industry

- 55% response rate
  - 72 respondents of 130 invitees (August - September, 2016)
- **97% vulnerable to a major disease outbreak**
- 46% have a Plan
  - **28% from within livestock associations**
  - 100% from within poultry associations
- **94% see value from a provincial / regional support organizations, e.g. Secretariats**
  - Survey courtesy Canadian Animal Health Coalition, 2016,
  - Funded by Agriculture & Agri-Food Canada Growing Forward 2

## 2. WHAT IS THE RISK?

- Canadian Poultry Industry?
  - Highly Pathogenic Avian Influenza (HPAI)
  
- Canadian Swine Industry?
  - Circovirus, and
  - Porcine Epidemic Diarrhea (PED)
  
- Beef Industry – Canadian or US?
  - BSE, TB,
  - ... Nothing comparable to date

...We look at FMD: our comparable to HPAI and PED

# WHAT IS THE RISK?

- Risk (def'n.) = Probability x Impact
  - Beef industry
    - Manages for relatively high probability / low impact
      - Supported by the business case
  - FMD scenario
    - Low probability / HIGH IMPACT
    - One of several similar FADs

# WHAT IS THE RISK?

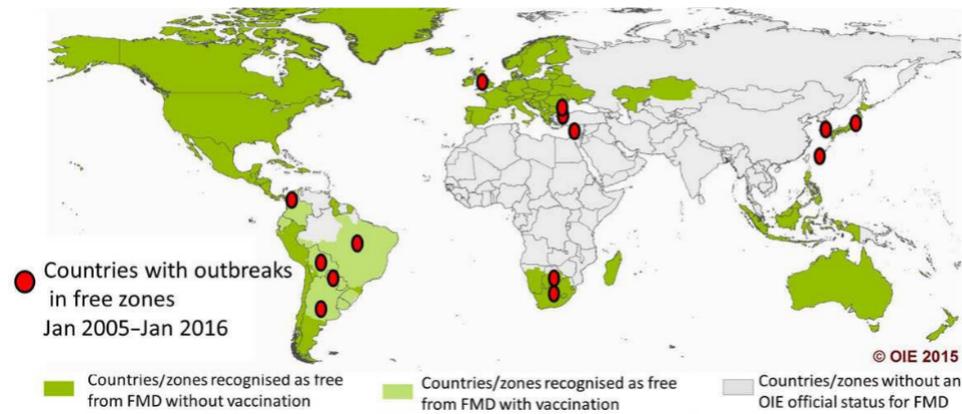
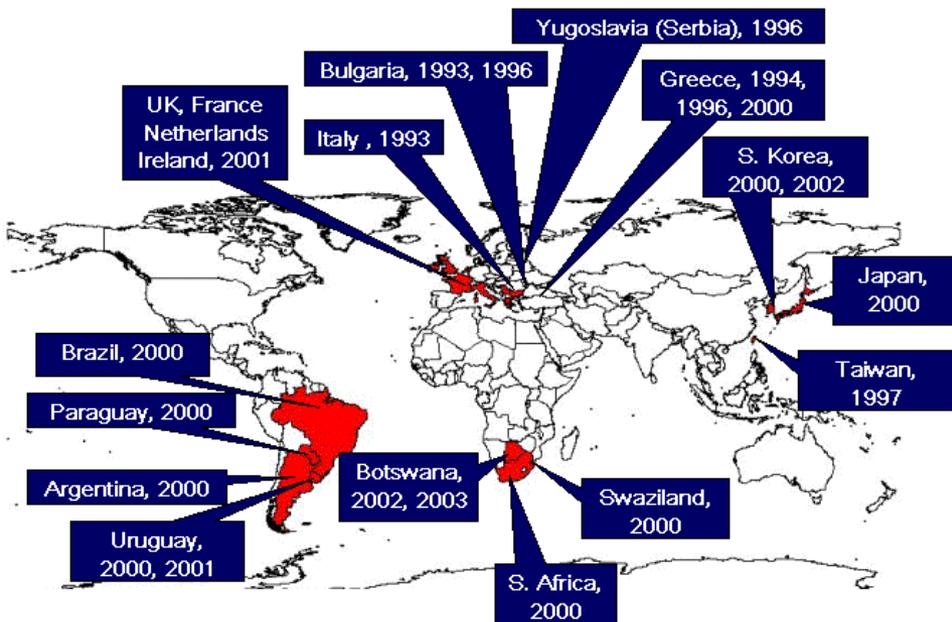
## FMD In Countries Previously Free

- 1992 – 2003 (24 cases)**

McLaws Ribble. 2005

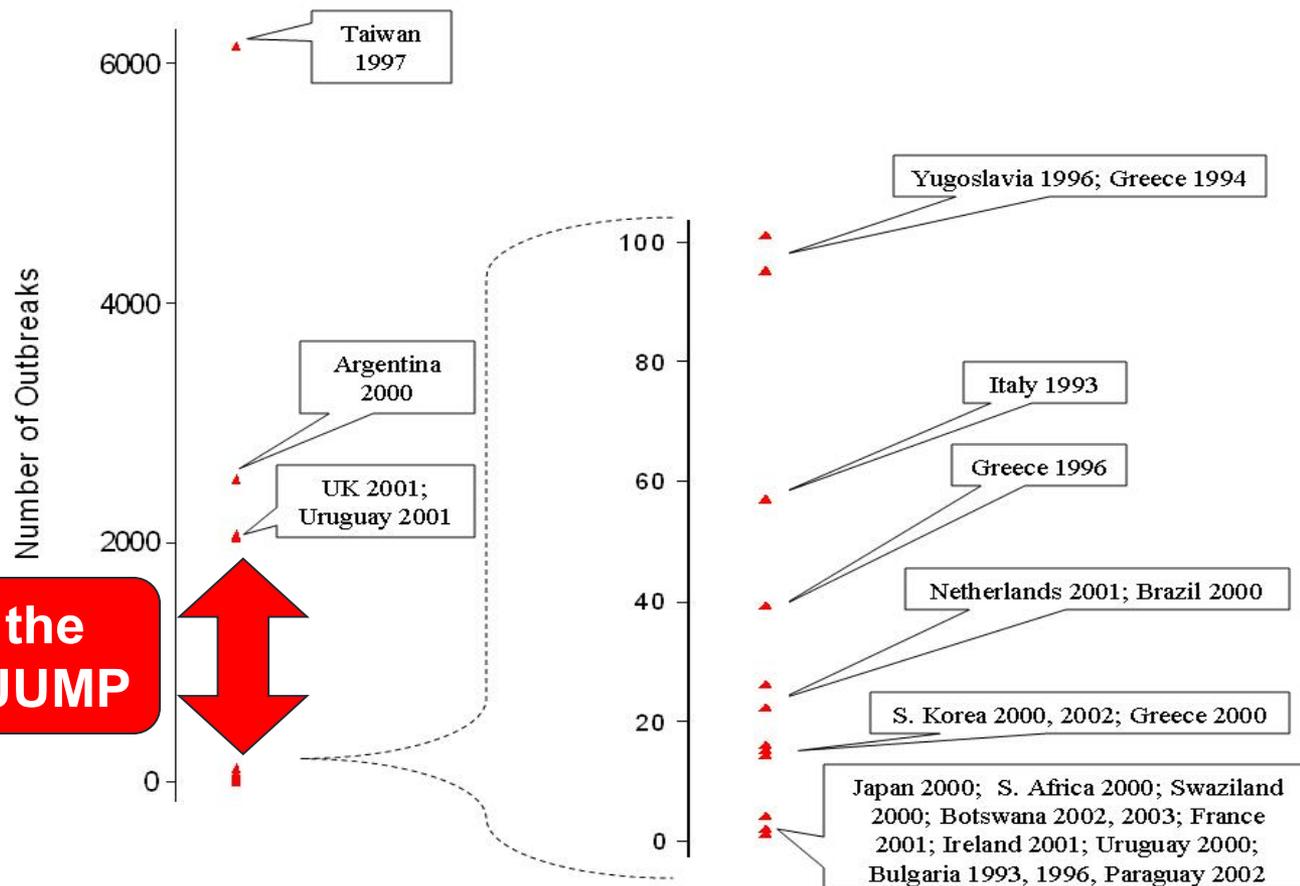
- 2005 – 2016**

Knight Jones 2016



# WHAT IS THE RISK?

## FMD In Countries Previously Free – Case Study



# WHAT IS THE RISK?

## Observations of FMD / FAD in Canada / US Beef Industry

- Outbreaks DO happen... even in countries previously free of FMD – or other highly infectious disease
- Factors fostering large outbreaks (research)...
  - Comingling
  - High density areas
  - Delayed detection and
  - Ineffective response
- **... inherent in the North American beef industry**
- This tendency to large outbreaks exacerbated by specifics of beef industry, e.g.
  - Entry points? ...Ports + large cities + livestock
  - Movements? ...High frequency / long distance
  - Size of operations? ...Large / Huge
  - Daily logistics? ...Hard to slow or stop
  - Biosecurity? ...Low

# 3. SCAN OF CDN APPROACHES

- Evolving Approach To Roles
  - Government: from 'Paternalistic Leader' solely responsible, to 'Willing Partner' with limited responsibility
  - Livestock Industry: catching up with that change... led by Beef
- Increasing Industry engagement in managing the response
  - Follows poultry experience
    - Before – never in EOC
    - Now (TB) - 'Liaison'
    - Anticipated (FMD) – staff complement to Operations and Planning sections
- Industry Recent Experience
  - Exercise Phoenix (2015)
  - TB (S. AB, 2016)
  - Exercise Beef 2016 (A Leaders Review of FMD Readiness in Canada's Beef Industry)

# SCAN OF CDN APPROACHES

- Government

- Increasing adoption of
  - ICS
  - Joint EOCs
- Agreements & Strategies
  - FAD Eradication Support / Response
  - Disease Eradication Plans
  - Livestock Market Interruption Strategy
  - Plant & Animal Health Strategy
  - And More...

- Industry

- Nationally
  - Communications Plans
  - Biosecurity Standards
  - *Consistent – incomplete vs need*
- Provincially
  - Association Plans
  - Producer Guidelines
  - *Patchwork quilt – threadbare?*

# 4. EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'... Overview

- Association PLANS...
  - Roles & responsibilities
- Producer GUIDELINES...
  - Anticipated activities, first actions, tools for preparedness
- Commodity or Regional SECRETARIATS
  - Ongoing support
  - Keeping things 'evergreen'
- Next Steps

# EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'... Association-Level PLANS

- **Leadership**
  - Representing sector's producers
  - Consulting with Government Executive 'above' EOC
- **EOC Liaison Officers / Staff**
  - ICS-trained 'EOC Staff'
  - Industry technical know-how information to EOC (Command, Planning, Operations, etc)
- **Communication**
  - Communicate to constituents / producers in a manner consistent with other partners
  - 'Town Hall' teleconferences for stakeholders
- **Policy Development**
  - Executive level Industry / Government process
- **Administration for additional services expected of industry**
  - Valuation Services
  - Buddy program for affected producers
  - Additional staffing for additional load

# EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'... Producer-Level GUIDELINES

- **Anticipated Activities and initial actions for each**
  - Indicators of 'unusual events'... my farm
  - Initial response to 'unusual events'... my farm
  - Triggers of sector wide emergencies... elsewhere
  - Biosecurity practices... 'Amber' for elevated risk, and 'Red' for high risk
  - Voluntary Cease Movement...
  - Mass Vaccination... my farm
  - Mass Depopulation & Disposal... my farm
- **Tools for preparing necessary information**
  - Farm Objectives... in an emergency
  - Farm Plan... pictoral layout / hazard location
  - Farm Inventory... Equipment & people
  - Primary / Secondary Decision Makers
  - Contacts... & staff
  - Visitor Controls

# EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'...

## Commodity / Regional SECRETARIATS

### Learning from the experience of those who've had major outbreaks

- Poultry, after HPAI (BC and Ontario)
- Swine, after PED (Ontario)

### Regional or Commodity SECRETARIATS

- Working in support of organizational leaders within sector or region
- Foster preparedness

# EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'... Beef FAD / FMD SECRETARIAT

## Beef Industry FAD / FMD Secretariat (In Progress)

- Development Phase (September 2017 – March 2018)
  - Strategy
  - Structure (organizational / membership / reporting)
  - Draft Work Plan
- Start Up Phase (April 2018 – March 2023)
  - Solutions to policy / program gaps requiring an industry lead
    - Valuation modelling
    - Voluntary Cease Movement Strategy
    - Vaccination strategy
    - Depopulation strategy & methods
  - Exercises within sector and multi-commodity
  - Updates to Plans & Guidelines
  - Initial Event Coordination for leaders across several organizations

# EMERGING CDN LIVESTOCK INDUSTRY APPROACH TO 'AHEM'... focus on BEEF

## Current Status

### • PLANS & GUIDELINES

- 2 provinces' cattle feeder associations
- 6 provinces' general beef associations
- 85% of beef production (03/18)
  
- 8 other provincial commodity associations
- 16 in total (03/18)

### • SECRETARIAT

- Beef Industry FAD / FMD Secretariat
  - Strategy, Workplan, Structure, Membership (03/18)
  - Fully funded implementation (04/18)

## Anticipated Next Steps, 2018 – 2023

### 1. PLANS & GUIDELINES

- More associations (5 beef, 10 – 15 other)

### 2. Producer / Industry Awareness

- Phone APP (producer GUIDELINES)
- Exercise / Workshops (4-5 / province)
- ICS Training (staff re Plan)

### 3. FAD Training for Practitioners

- On invitation from industry

### 4. SECRETARIATS

- Beef Secretariat (implementation)
- Other for other commodities?

- Questions?

- Comments?

- Thank You!