

15 YEARS

Backwards and Forwards

Dr. Leigh Rosengren
Forum 2025



AnimalHealthCanada

Advancing Animal Health and Welfare in Canada

AnimalHealthCanada.ca





CANADA
DEPARTMENT
— OF —
AGRICULTURE
HEALTH OF
ANIMALS
INSPECTOR
V.196







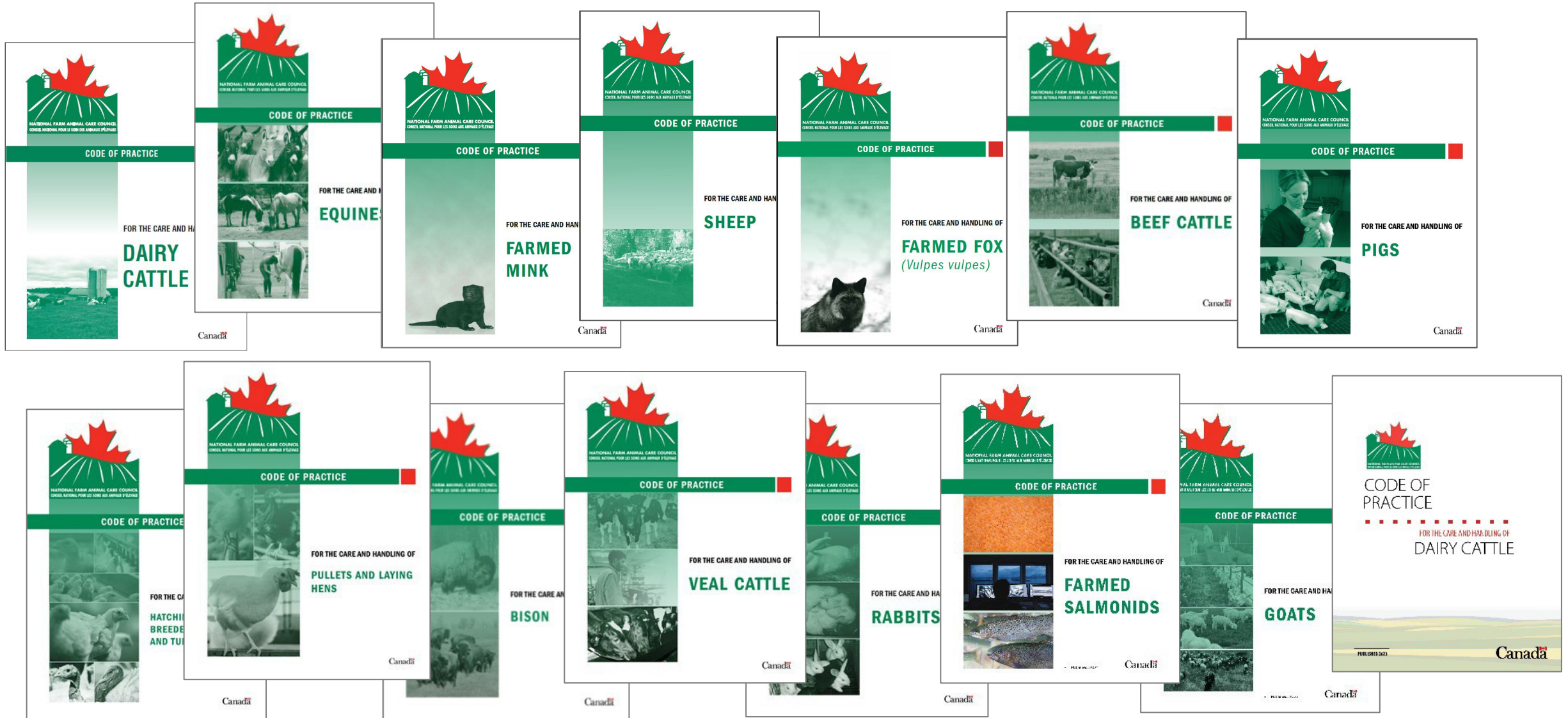
“NFACC is unique.

*We should all take pride in this distinctly Canadian approach to addressing farm animal care, where industry – **producer, processor, transporter, retailer, restaurateur, veterinarian, researcher, government and humane organization** **work in partnership** on a common issue.*

*It is a formula that **promises to bring real progress** on responsible farm animal care, while helping to ensure animal agriculture is viable in a climate of increasing market demands.”*

Gordon Coukell, NFACC Chair. 2006

CODES OF PRACTICE



Processors



Animal Health Associations



Consumer Groups



Farmed Animal Industries

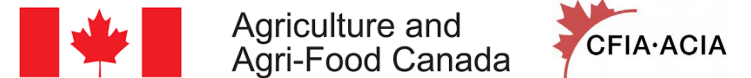


Animal Welfare Associations



Coalition of Animal Welfare Enforcement Agencies

Governments



Other

Canada's research community

Animal Health & Nutrition



Other



Restaurants & Food Retailers



CACTUS CLUB CAFE

Earls



Loblaw
Companies
Limited



Processors



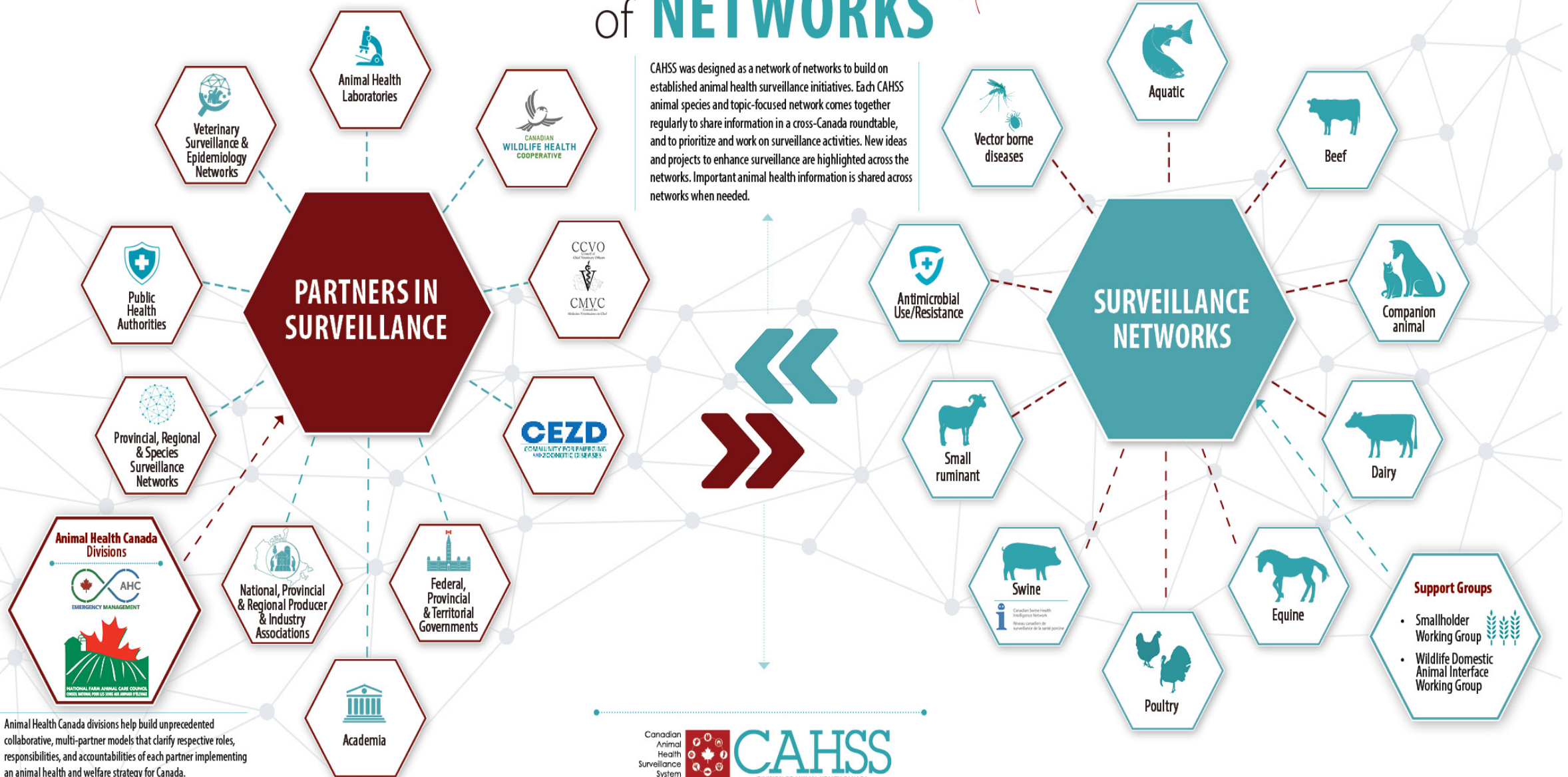
Farm or Industry Assoc./Co.



A NETWORK of NETWORKS



CAHSS was designed as a network of networks to build on established animal health surveillance initiatives. Each CAHSS animal species and topic-focused network comes together regularly to share information in a cross-Canada roundtable, and to prioritize and work on surveillance activities. New ideas and projects to enhance surveillance are highlighted across the networks. Important animal health information is shared across networks when needed.



Animal Health Canada divisions help build unprecedented collaborative, multi-partner models that clarify respective roles, responsibilities, and accountabilities of each partner implementing an animal health and welfare strategy for Canada.

Canadian
Animal
Health
Surveillance
System



CAHSS
DIVISION OF ANIMAL HEALTH CANADA

Update on HPAI in Dairy Cattle for Canadian Veterinarians/Veterinary Staff

This webinar covers an update on Highly Pathogenic Avian Influenza (HPAI) in dairy cattle in the US, discussion on the national collaborative approach amongst federal/provincial governments and industry, an update on the CFIA guidance document for the private practitioner, and recommendations on how to support producer clients.

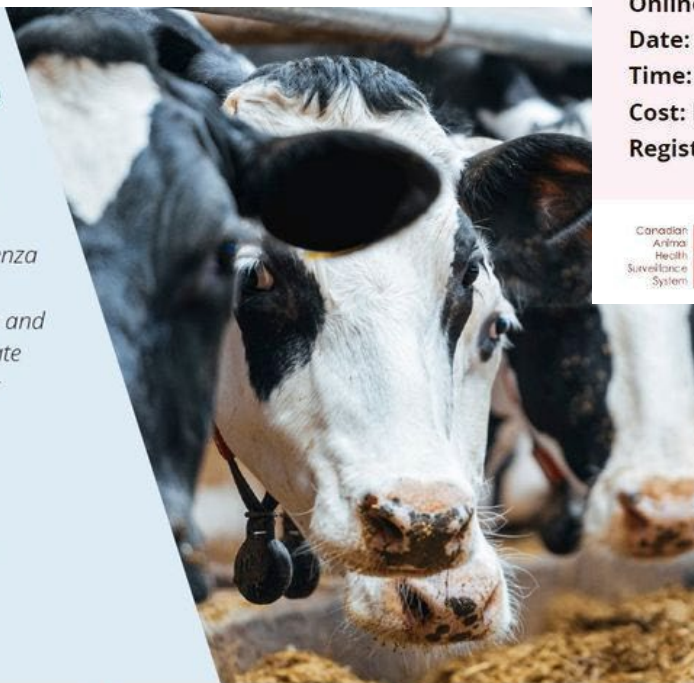
Online Webinar: Available upon registration

Date: May 9, 2024 (Thursday)

Time: 7:00 to 9:00pm EST (1.5 hour webinar, Q and A after)

Cost: FREE

Registration Link: Click [HERE](#)



The potential for H5N1 influenza in swine: Lessons learned from the dairy industry so far

The webinar covers an update on HPAI in dairy cattle in the US, brief summary on the national collaborative approach amongst government and swine industry, applied biosecurity concepts towards the potential of HPAI in swine, and an overview of the current Canadian grassroots approach for non-HPAI influenza in swine.

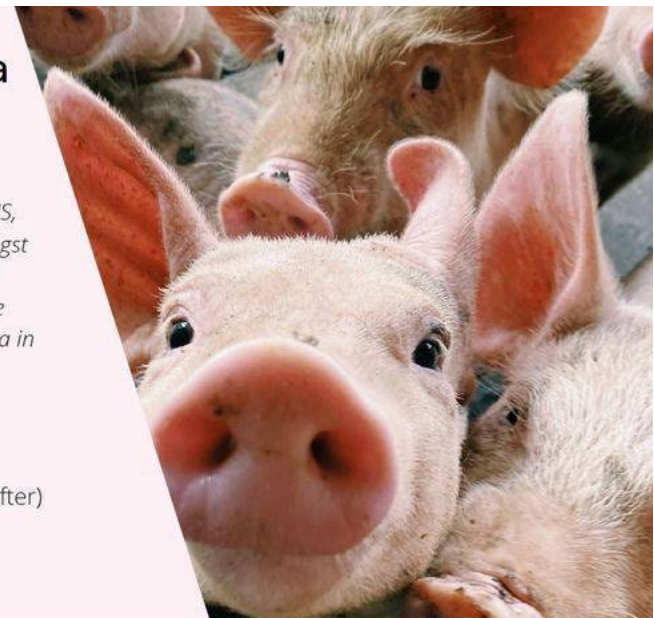
Online Webinar: Available upon registration

Date: May 30, 2024 (Thursday)

Time: 12:00 to 2:00pm EST (1.5 hour webinar, Q and A after)

Cost: FREE

Registration Link: Click [HERE](#)



“Greetings CAHSS bovine networks and guests.

HPAI in dairy continues to recede in the US with no reports of any new cases and USDA now reporting 29 "Unaffected" states on their NMTS dashboard, including Minnesota, which is great to see.”

Dr. Murray Gillies. August 22, 2025. “Weekly HPAI email update”



CanSpotASF





Established 2018.
F, P, T, Industry Partners
(Decision Makers)



Pillar 1:
Prevention and
Enhanced
Biosecurity

WORKING GROUPS



Pillar 2:
Preparedness
Planning

WORKING GROUPS



Pillar 3:
Ensuring
Business
Continuity

WORKING GROUPS



Pillar 4:
Coordinated
Risk
Communications

WORKING GROUPS



FROM THE BORDER,

THROUGH THE
SUPPLY CHAIN

TO OUR FARMS....



**SPOT A
WILD BOAR...
REPORT IT!**



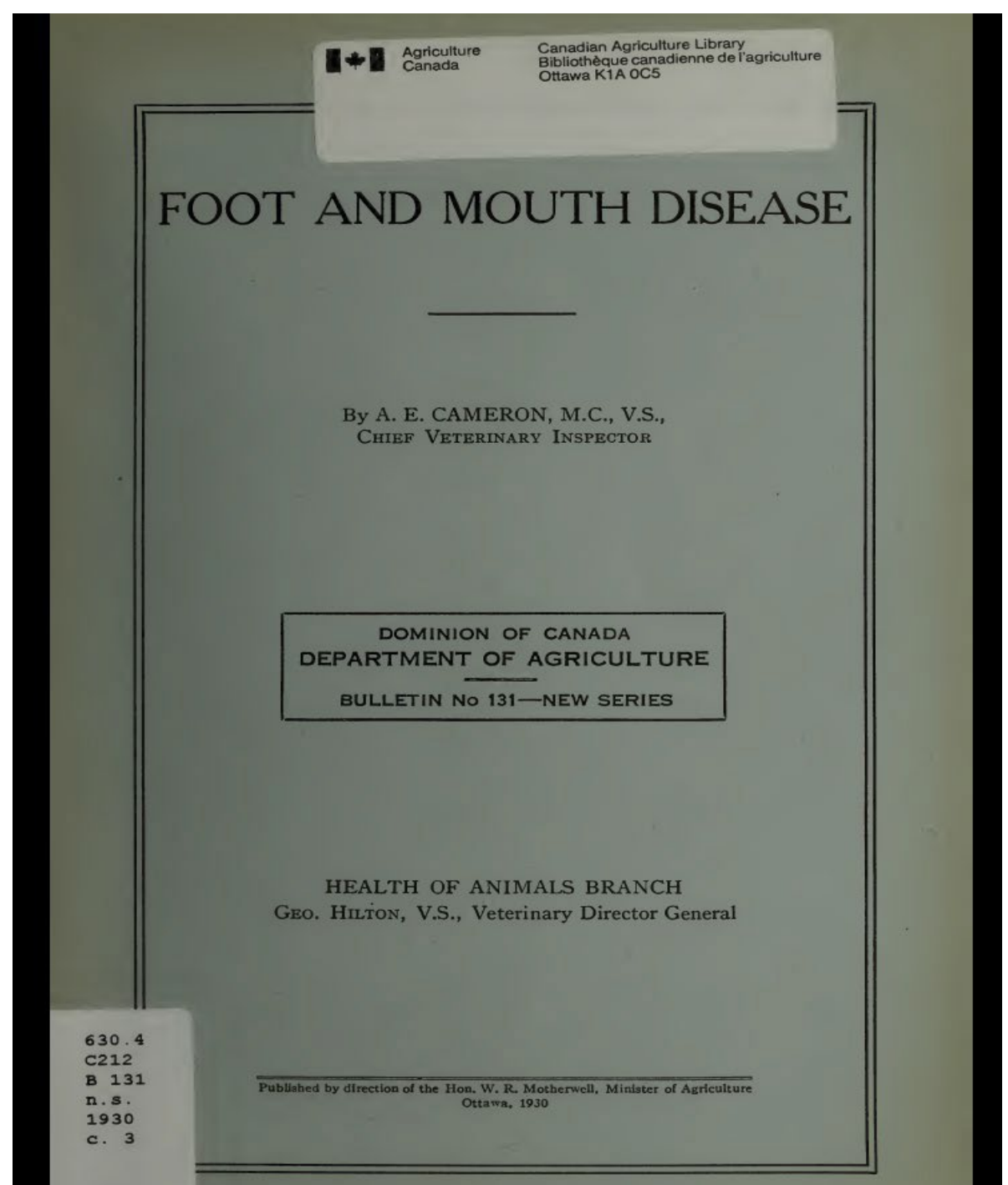
Call 1-833-PIGSPOT

OR CONTACT YOUR LOCAL CROP INSURANCE OFFICE



saskpork.com

Using the past
to
Look forward.



The FMD agenda from 1930.

- **RISK:** *“It is evident therefore that in spite of experienced officials, veterinarians and others whose work is concerned with excluding serious diseases from Canada constant danger exists of infection gaining entrance by obscure means.”*
- **RECOVERY:** *“If the disease spread in Canada no worse disaster could befall our livestock industry and all the numerous allied trades and industries would suffer.”*
- **PREVENTION (zoning):** *“In the case of the United States the state in which the disease exists together with the surrounding states as a buffer area are subject to embargo.”*

The FMD agenda from 1930.

RESPONSE: *“If therefore Foot and Mouth disease, in spite of the precautions taken, should gain entrance into Canada the quickest method of eradicating it would be adopted.*

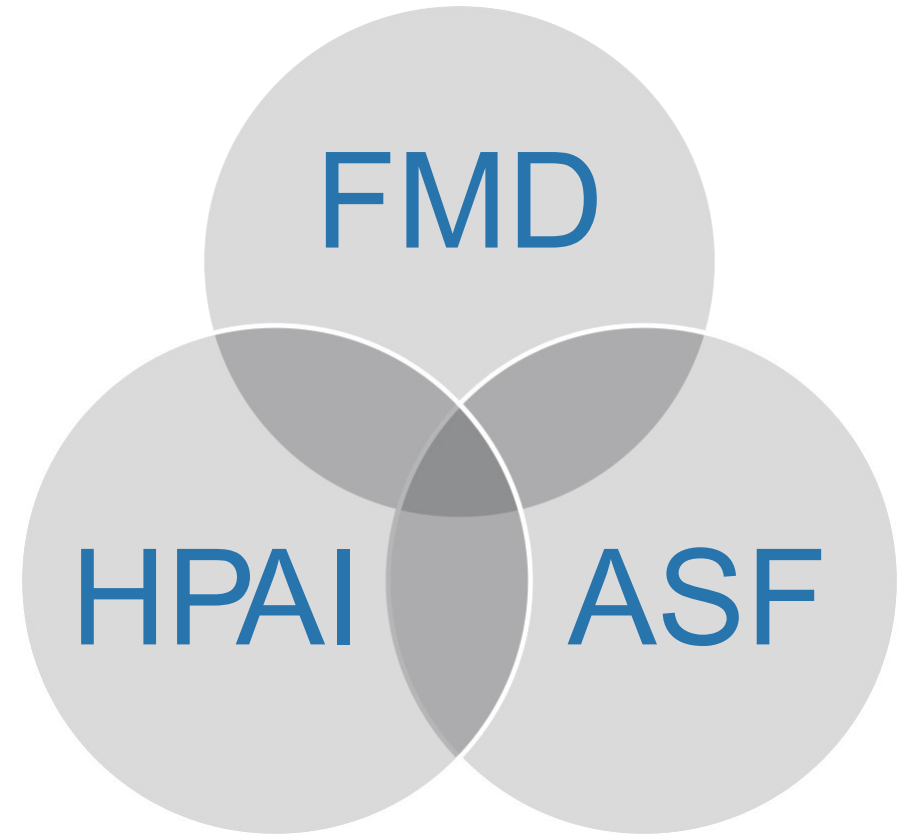
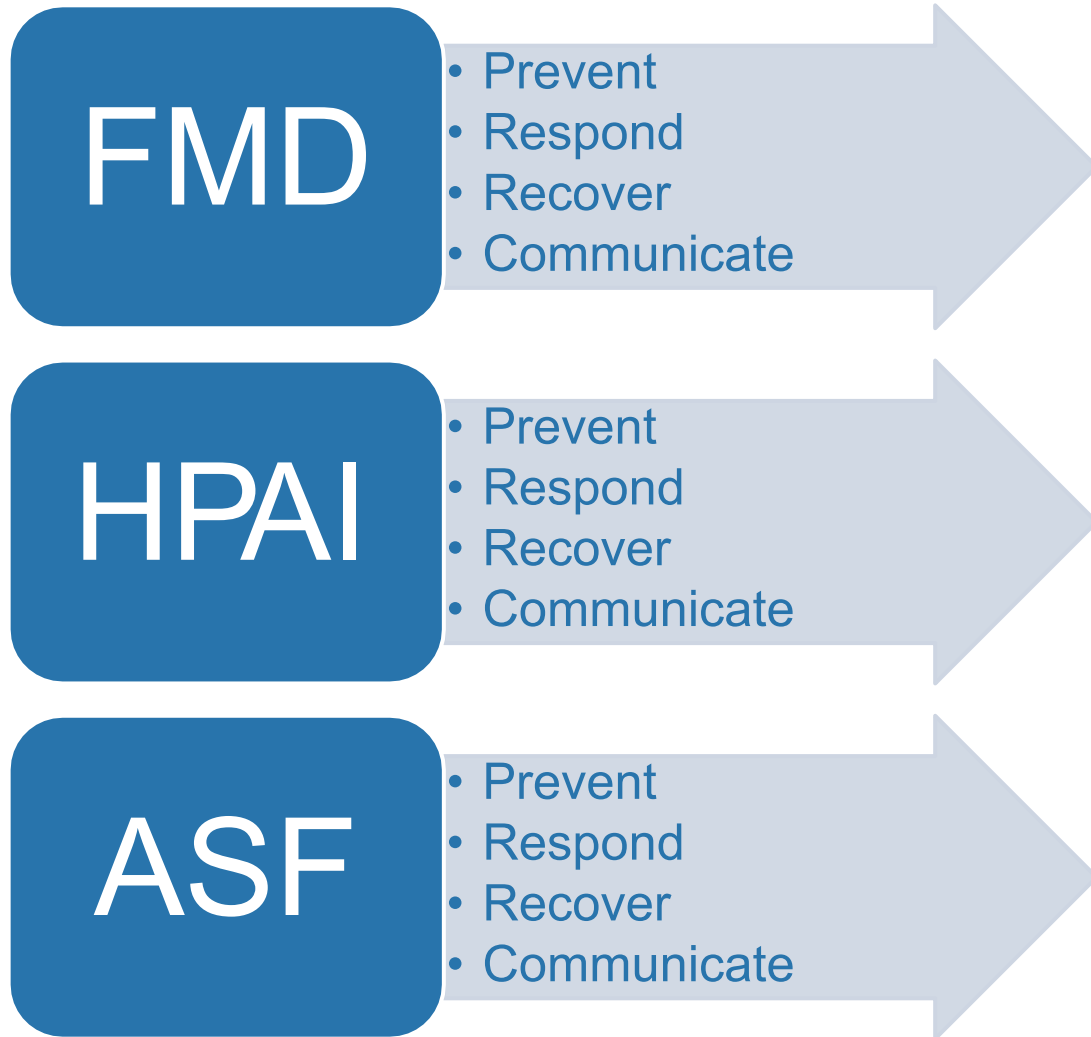
In this country that would undoubtedly be immediate destruction of diseased and exposed animals and the rigid enforcement of quarantine covering the surrounding district.”

Same agenda, but much has changed.

- Do we have the social license for eradication?
- Have we addressed the mental health and environmental challenges?
- The culture has changed. It's not all about governments' response – we all have an important role to play.



Foreign Animal Disease Executive Management Board



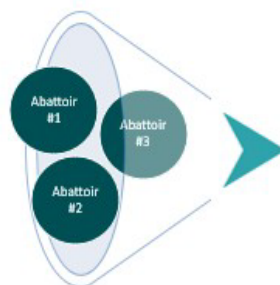
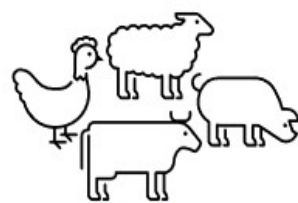
National Data Platform Project

CAHSS data platforms: 2 data streams

01. Provincially inspected abattoirs



02. Provincial veterinary diagnostic laboratories



DATA SUBMISSION
either:
a. API: automatic pathway
b. Upload to the website regularly



Data warehouse (AWS S3 bucket system)
In Canada
Highly secure
Permissioned
Validation rules



ETL process
Extract, transform & load
21st monthly

COMBINE DATA

Data dictionary & lookup tables



Cleaned data



DATA QUERIES

Filters, e.g.
• Province
• Species
• Syndrome



Tableau visualization & analysis



Reports
Tables (.csv files)



Heatmap of AST results

Select Data Source

(All)

Select Syndrome

Bovine mastitis

Select Sample Type

Milk

Select Date Range

August 22, 2022

August 18, 2025

Proportion of susceptible isolates

■ >90%
 ■ 60-90%
 ■ <60%
 ■ Intrinsic resistant

Importance	Antimicrobial	Escherichia coli		Klebsiella pneumoniae		Staphylococcus aureus		Streptococcus uberis	
Very high	Ceftiofur	■	96.4%	■	61.8%	■	100.0%	■	98.1%
High	Amoxicillin	■	69.2%	■	0.0%	■	68.2%	■	85.7%
	Ampicillin	■	26.8%	■	0.9%	■	31.8%	■	86.8%
	Cephalothin	■	13.9%	■	56.0%	■	100.0%	■	100.0%
	Erythromycin	■	0.0%	■	1.8%	■	96.1%	■	88.3%
	Oxacillin	■	0.0%	■	0.0%	■	9.1%	■	11.1%
	Penicillin	■	0.0%	■	0.9%	■	36.8%	■	92.8%
	Penicillin/Novobiocin	■	0.0%	■	0.0%	■	100.0%	■	100.0%
	Pirlimycin	■	0.0%	■	1.1%	■	97.9%	■	77.4%
Medium	Gentamicin	■	100.0%			■	100.0%		
	Tetracycline	■	80.0%	■	80.0%	■	99.4%	■	60.3%
	Trimethoprim/Sulfameth	■	97.3%	■	93.6%	■	100.0%	■	94.2%

Animal Welfare with a different lens



Canada's Leadership in Antimicrobial Resistance in Animal Health.

Scan here



Learn more at:
AMRACTION.CA



Things have changed.
The culture has adjusted.

- The challenge is complex.
- Resources are tight.
- Collaboration is essential.



Thank You

Merci



AnimalHealthCanada

Advancing Animal Health and Welfare in Canada

AnimalHealthCanada.ca

Contact Us:

Animal Health Canada | Santé animale Canada
P.O. Box case postale 3013RPO
Elora, Ontario N0B 1S0

