



**COMMUNITY FOR EMERGING
AND ZOOONOTIC DISEASES (CEZD)**

*multidisciplinary perspectives to generate
anticipatory intelligence to provide early
warning for emerging and zoonotic diseases*

Successes and Future Direction

NFAHWC Forum November 29, 2017

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Canadian Food Inspection Agency

Successes: How far have we come?



Background

- CEZD was initiated as a project in 2013-2016
- A two year implementation phase is currently underway 2016-2018
- CFIA funding core team; PHAC funding platform
- Partners funding their own members
 - All giving time, effort and support
- WHY? to create a multidisciplinary community that would generate early warning of emerging and zoonotic diseases



Disease Intelligence Process of CEZD has five stages:

a real time virtual network using today's technology to provide early warning of emerging and zoonotic diseases



CEZD Version 1.0



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Processes are Working

6 months: April 1 – Sept 30, 2017

5062 information
pieces received

- Information volume is effectively decreased

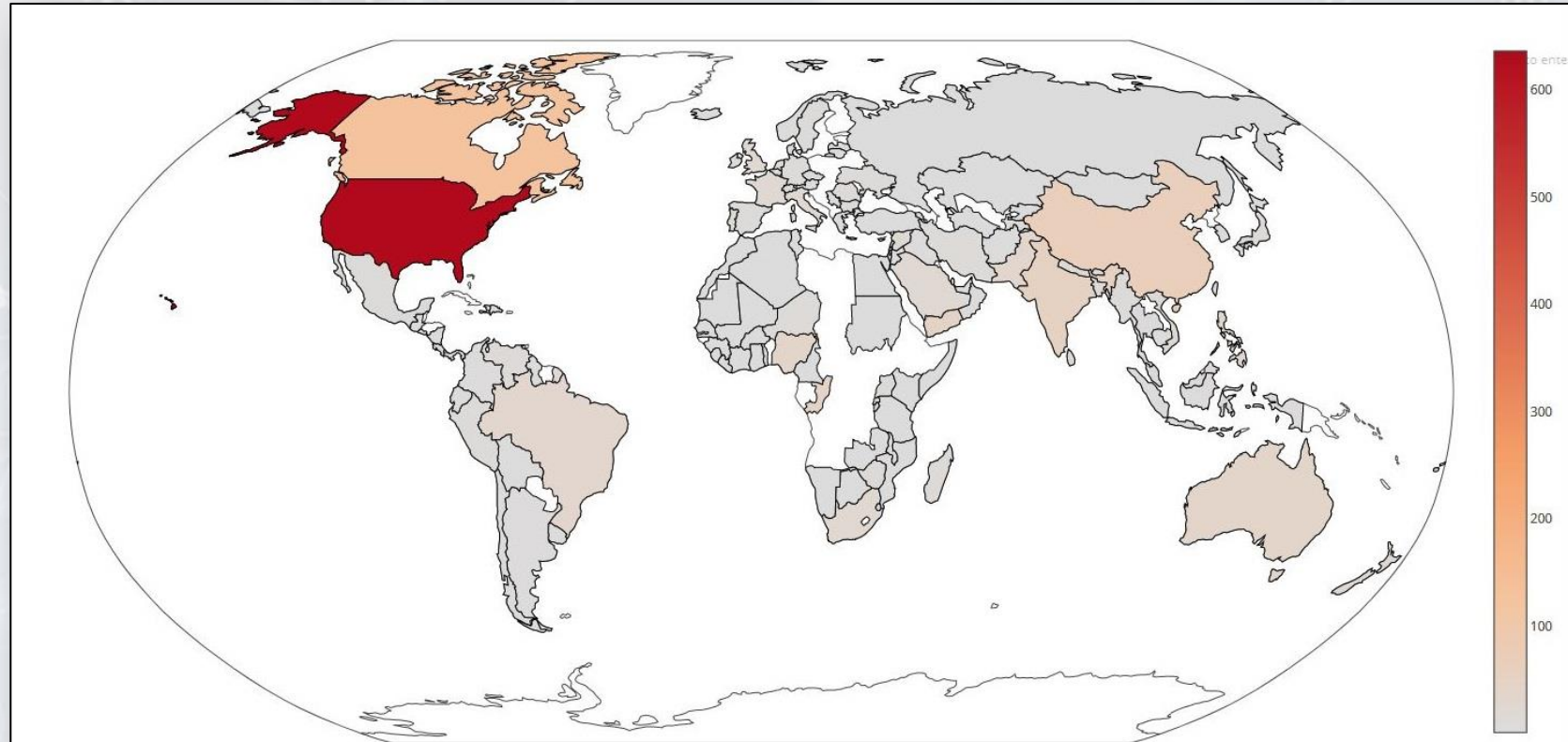
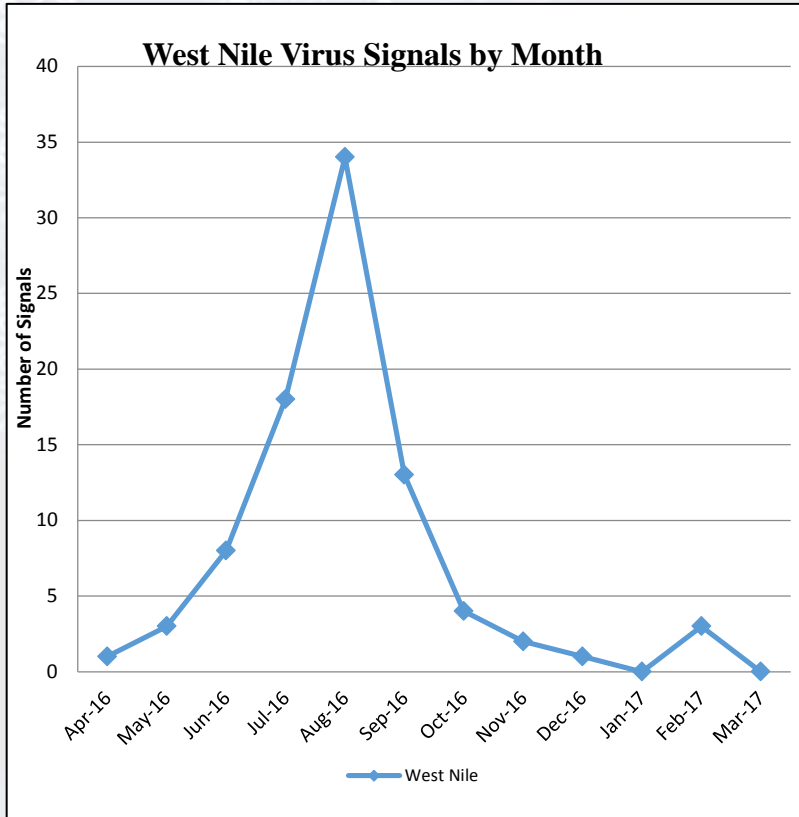
1886 Signals filtered
by the system

- Weekly Intelligence reports reliably produced throughout implementation

70 considered
relevant to Canada

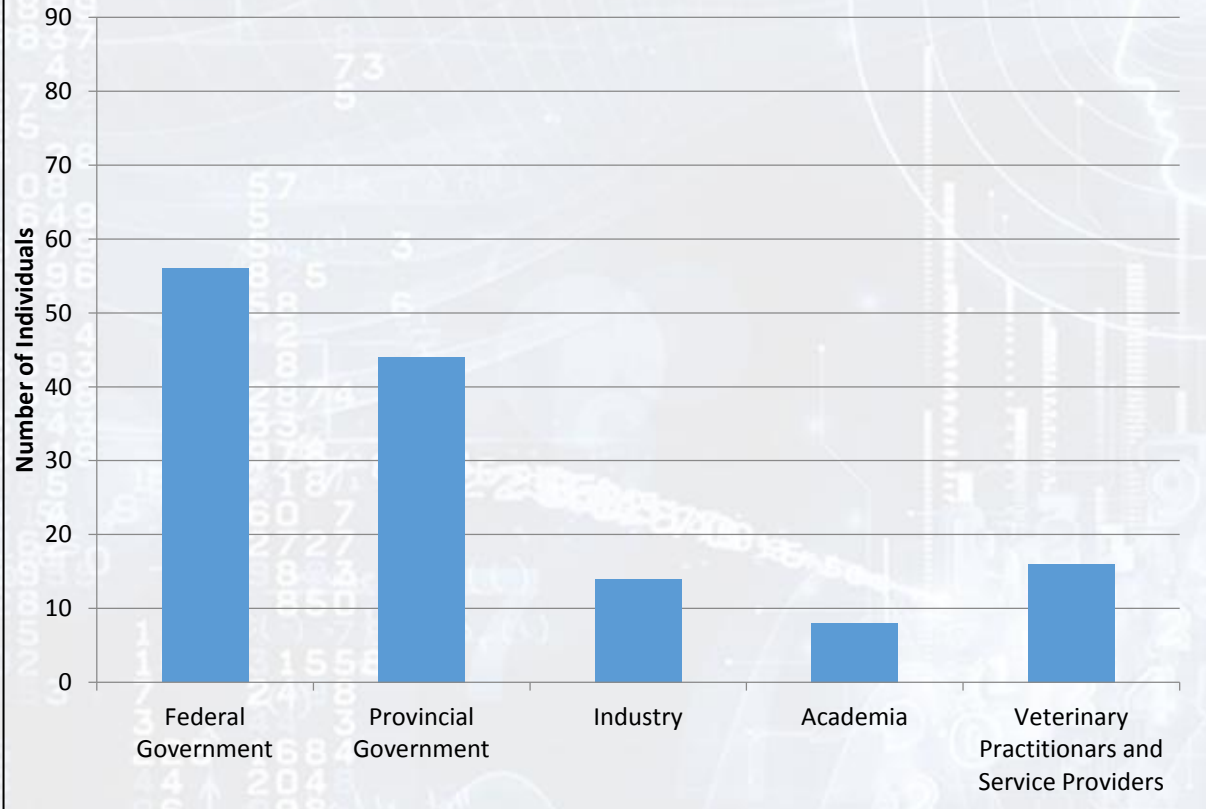
Ability to Analyze Signal Information

- Most highly rated signals are 'community reported events'
- Trends over time and geographic distribution can be tracked

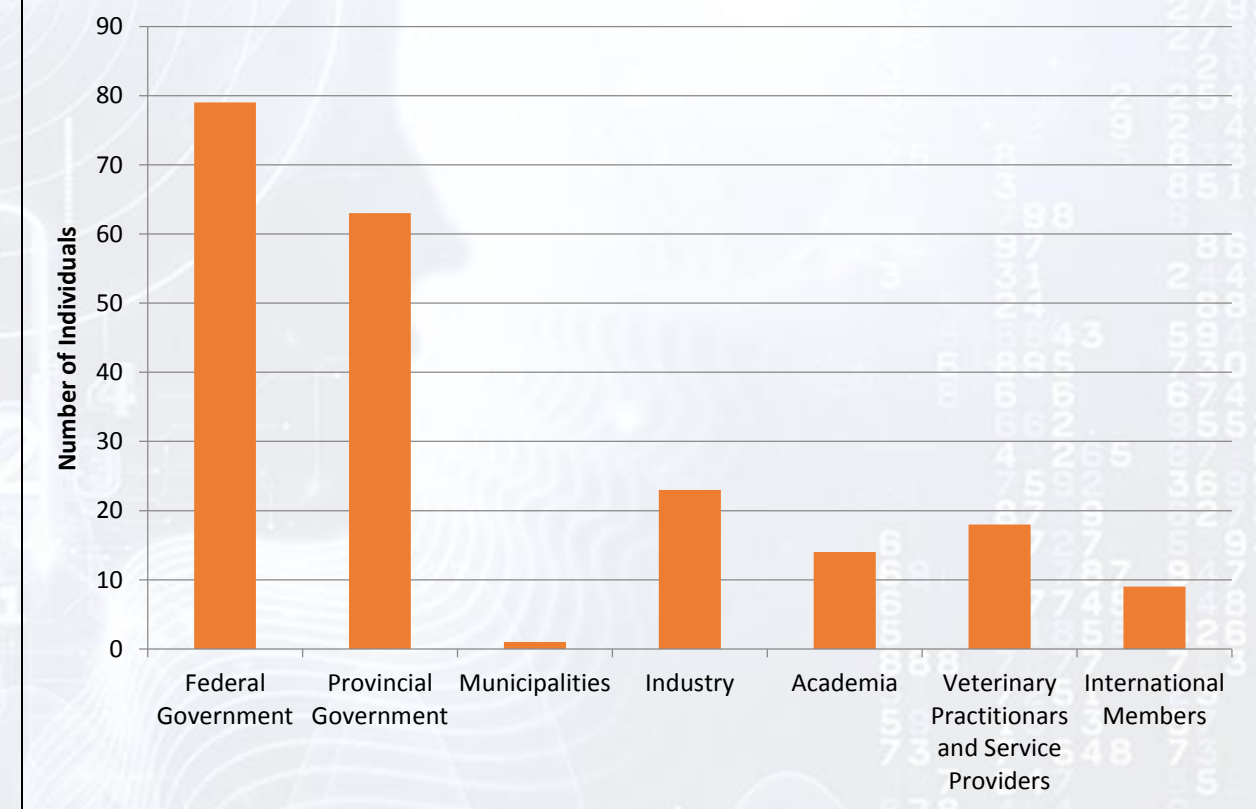


Membership Growth and Diversity

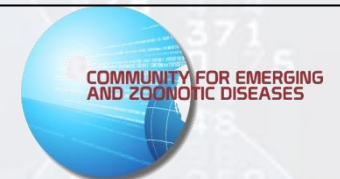
CEZD Demographics March 2017



CEZD Demographics September 2017



- Involvement in CEZD has more than doubled



Growth and Change of CEZD Process and Activities

- Implementation of “revolving raters” has increased number of people rating signals (5-11)
- Weekly “ping” questions (25-30)
- Initiated community webinars
- We have become a true ‘One Health Community’ with signals being rated across disciplines
- We have partnered in two funding requests to PHAC’s Infectious Diseases and Climate Change Fund



Initiated Working Groups

Engagement

- Outreach – supports community growth
- Providing veterinary continuing education credit for CEZD Activities
- Currently evaluating expertise within community to identify our subject matter experts

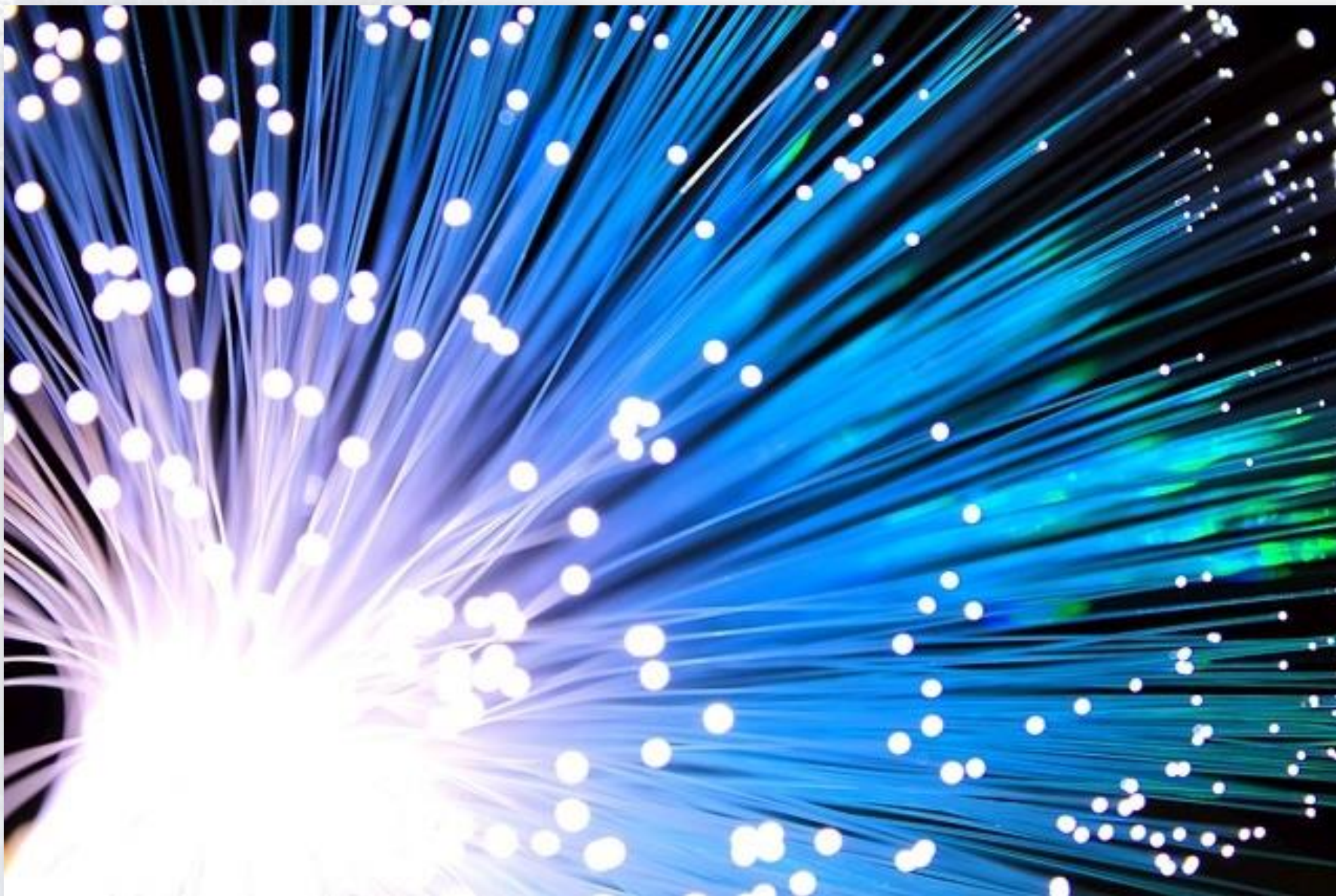


Initiated Working Groups

Reporting and Analysis

- Which signals are on 'watch list'
- Which need to have further investigation and analysis
- Types of reports and analysis required
- Who, what and how?
 - Domestic intelligence sharing
 - International intelligence

The Future : CEZD 2.0



Where are We Going? CEZD 2.0

- Refine individual roles within the community
- Tailored communications to partners, subject matter experts, decision makers and the general community
- Make the existing data more useful
- Need to revise our sustainability plan, including securing stable funding



Where are We Going? CEZD 2.0

- We would like to develop into a true national early warning system
- Responsibility shared among partners, control does not reside in a single organization
- Continue to develop our virtual network
 - Identify and create linkages across the “One Health” continuum
 - Develop the trusted domestic network
 - share signals not yet in the public domain
 - share reports and analysis conducted by partners

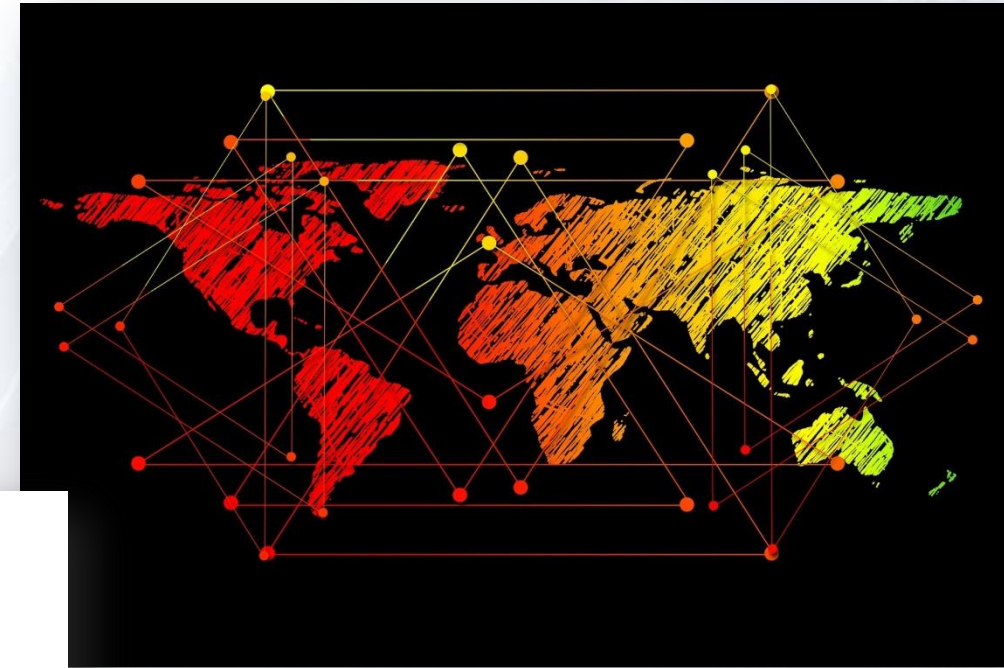
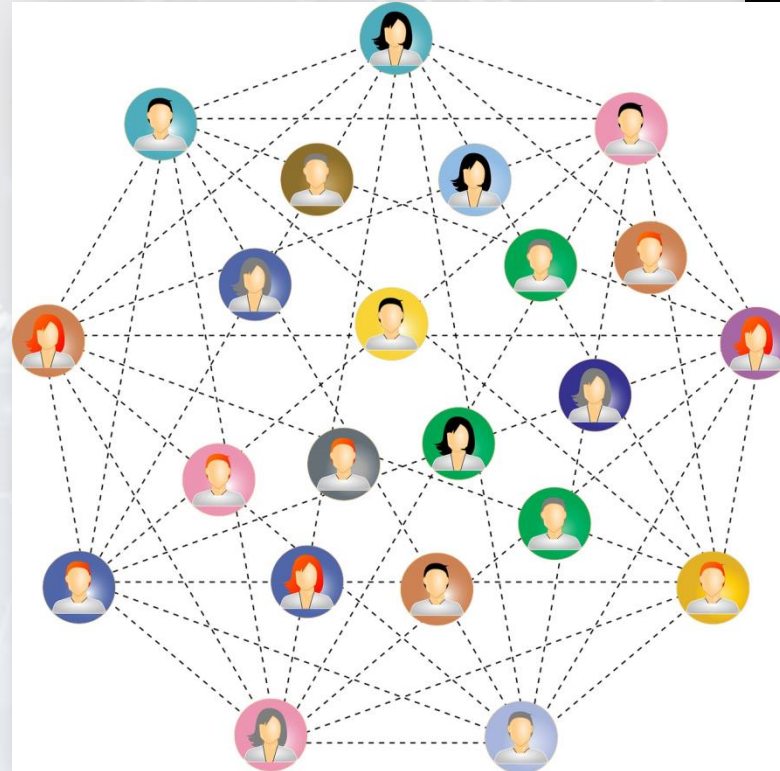


Where are We Going? CEZD 2.0

5062

1886

70



Want to find out more?

- Contact core team CFIA.CEZD-CMEZ.ACIA@inspection.gc.ca
- Contact one of our engagement team:
 - ana.ulmer-franco@gov.ab.ca
 - hernan.ortegon@gov.ab.ca
 - barhamm@uoguelph.ca

- Check out the CAHSS website
<https://www.cahss.ca/surveillance/emerging/>
<https://www.cahss.ca/groups/CEZD/>



News: National Farmed Animal Health and Welfare Council - The CAHSS is an initiative of the NFAHWC

Canadian English

CAHSS ABOUT SURVEILLANCE IN CANADA GROUPS CALENDAR CONTACT US MY ACCOUNT

EMERGING AND ZONOTIC DISEASES
Surveillance of changing risks to protect Canadians

CANADIAN SURVEILLANCE NETWORKS

[CONTACT NETWORK](#)

- [Community for Emerging and Zoonotic Disease](#)
 - [Link to weekly intelligence reports](#)
- [National Collaborating Centre for Infectious Diseases - Emerging Diseases](#)

NCCID is one of six **National Collaborating Centres for Public Health** funded by the Public Health Agency of Canada, each focusing on a different area of public health. Our host organization is the [University of Manitoba](#).



THANK-YOU



A word cloud of thank-you messages. The words are arranged in a circular pattern, with larger words being more prominent. The colors are primarily blue and purple, with some brown and red. The background is white with a faint grid pattern.

CFIA-CAHSN
Ontario-Public-Health
Canadian-Pork-Council
PHAC
AVC
Sunnybrook-Hospital
Alberta-Beef-Producers
CFIA-Science
University-of-Alberta
Turkey-Farmers-of-Canada
Chicken-Farmers-of-Canada
CFIA-Sr-Management
CFIA-Programs
Manitoba-Health
CSHIN
CFIA-CAHSS
Canadian-Cattlemen's-Association
CFIA-Operations
Alberta-Agriculture
Parks-Canada
NFAHWC
Biovet
USA-Laboratory
Alberta-Health
Alberta-Chicken-Farmers
AAFC
British-Columbia-CDC
FBCC
Alberta-Environment
University-of-Guelph
CFIA-Food-Safety
OVC
MAPAQ
Canadian-Hatching-Egg-Producers
CVMA
Private-Vets
Egg-farmers-of-Canada
UK-veterinary-student
OMAFRA
Ontario-Sheep-Marketing-Agency
BC-Agriculture
Manitoba-Agriculture
Saskatchewan-Health