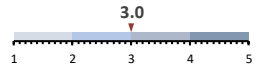


SUMMARY: RELEVANT EVENTS (includes all events rated ≥ 3.0)

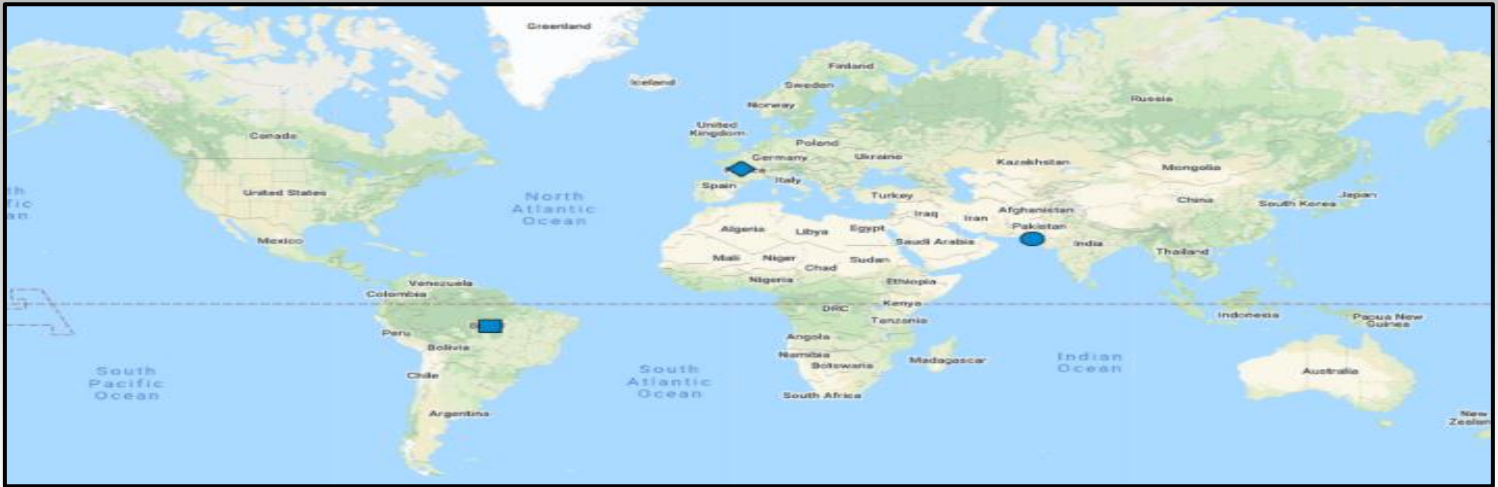
African Swine Fever

- ◆ **Germany** has confirmed another case of ASF in domestic swine; the farm is located in the eastern state of Mecklenburg-Vorpommern, there had been no previous cases in that region in either farm animal or wild boar

[Read More](#)



NEW EVENTS: (events rated > 2)



- **Suspected cases of Creutzfeldt-Jakob Disease in Brazil**
Pathogen: Prion ; **Transmission:** Sporadic ; **Species affected in event:** Human

① Two patients from Rio de Janeiro are suspected of having the sporadic form of CJD. Brazil's agriculture ministry said an ongoing investigation of suspected cases of CJD are not related to the consumption of beef or beef by-products. According to the Brazil Ministry of Health website, between 2005 and 2014, 603 suspected cases of CJD were reported in Brazil. Since CJD surveillance was instituted in Brazil, no case of the variant CJD form has been confirmed.

[Read More](#)

Avg. Rating	2.2 - 2.5
No. of Signal	4
No. of Ratings	4 - 5

- **Unknown Disease in Pakistan**
Pathogen: Unknown ; **Transmission:** Unknown ; **Species affected in event:** Human

① A mysterious Dengue-like fever has been reported in Karachi. Patients are reporting similar symptoms like reduction in platelets and white blood cells, however, NS1 antigen tests performed on these patients came back negative. Prof Khan, head of molecular pathology at the Dow University of Health Sciences, said it could be another virus from the family of Arboviruses, causing diseases like dengue fever. "[...] it is not the dengue virus. It is not Zika virus because Zika virus behaves differently. There is also little chances of this virus being any unknown variant of the dengue virus".

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	4

- ◆ **Bovine brucellosis in France**
Pathogen: Bacteria ; **Transmission:** Direct contact, fomite ; **Species affected in event:** Cattle

① On November 9th France confirmed a case of bovine brucellosis on a dairy farm in Haute-Savoie. Precautionary measures were taken when suspicions arose on 20 October. As a result, milk from the herd has been diverted and will be used in the manufacturing of pasteurized products where there is no risk of disease transmission. France had been officially free of the disease since 2005. Since 2012 there has been a resurgence with outbreaks of infection in ibex populations. As a result, brucellosis surveillance has been strengthened in dairy herds in the area. The Ministry believes heightened surveillance was key to the early detection of this case.

[Read More](#)

Avg. Rating	2.3
No. of Signal	1
No. of Ratings	4

CONTINUED EVENTS: (events rated ≥ 2.4)

African Swine Fever in Europe

No. of Signals: 09

No. of weeks in report: 115

Avg. Rating: 2.0 – 3.0

- [Germany](#) has confirmed another case of ASF in domestic swine; the farm is located in the eastern state of Mecklenburg-Vorpommern
- [Bulgaria](#) has reported a new outbreak of ASF at an industrial farm that has a total of 180 pigs in the southern village of Radinovo
- [Romania](#), [Poland](#), [Latvia](#) have reported cases of ASF in wild boar
- [Russia](#) has reported an outbreak of ASF in domestic swine

Highly Pathogenic Avian Influenza in Europe

No. of Signals: 18

No. of weeks in report: 49

Avg. Rating: 2.0 – 2.6

- The UK has reported three outbreaks of HPAI H5N1; one at a small poultry unit in central England near Alcester in [Warwickshire](#), another at an animal sanctuary near [Frinton-on-Sea](#), and a third at a farm in [North Yorkshire](#)
- Germany has reported additional outbreaks of HPAI H5N1; one on a farm with about 39,000 ducks in [Lower Saxony](#) and the other on a small farm in [Mecklenburg-Vorpommern](#)
- [Poland](#) has been hit with several outbreaks of HPAI H5N1 at poultry farms totalling nearly 650,000 birds
- In [Ireland](#), multiple wild birds have been confirmed positive for HPAI H5N1
- The [Netherlands](#) have confirmed another outbreak of HPAI H5N1, this one in laying hens at a poultry farm in Lutjegast
- [OFFLU avian influenza statement](#) has been released
- A summary of the overall HPAI situation in Europe is available [here](#)

African Swine Fever in Asia

No. of Signals: 02

No. of weeks in report: 128

Avg. Rating: 2.3 - 2.4

- [China](#) has reported an outbreak of ASF at a pig farm on Hainan island in the southern part of the country
- In the [Philippines](#), a new outbreak of the ASF has decimated more than 200 pig stocks in the towns of Maigo and Bacolod in Lanao del Norte

Highly Pathogenic Avian Influenza in Asia

No. of Signals: 06

No. of weeks in report: 38

Avg. Rating: 2.0 – 2.4

- [Japan](#) (H5) and [South Korea](#) (H5N1) have both recently reported multiple outbreaks of HPAI

Porcine Reproductive and Respiratory Syndrome in

No. of Signals: 01

No. of weeks in report: 12

Avg. Rating: 2.3

North America

- The [SHIC](#) domestic swine disease [surveillance report](#), released as part of its November newsletter, shows a substantial increase in the detection of PRRS in the wean-to-market category associated with a new wave of the 1-4-4 lineage 1C variant strain

SCIENTIFIC FINDINGS:

- ◆ An outbreak of SARS-CoV-2 with high mortality in mink (*Neovison vison*) on multiple Utah farms [Read More](#)
- ◆ A novel SARS-CoV-2 related coronavirus in bats from Cambodia [Read More](#)
- ◆ Pre-print: Total virome characterizations of game animals in China reveals a spectrum of emerging viral pathogens [Read More](#)
- ◆ Spatio-temporal risk assessment for avian influenza outbreak based on the dynamics of habitat suitability for wild birds [Read More](#)
- ◆ Ancestral sequence reconstruction of avian influenza virus transmission in pigs [Read More](#)
- ◆ Detection and Establishment of *Aedes notoscriptus* (Diptera: Culicidae) Mosquitoes in Southern California, United States [Read More](#)

Disclaimer

This intelligence report is intended to provide information to risk managers about emerging and zoonotic disease events that could pose a threat to Canada. It is based on information signals acquired and selected from twenty-one distinct disease surveillance sources via the Knowledge Integration using Web-based Intelligence (KIWI) tool hosted on the Canadian Network for Public Health Intelligence (CNPHI) informatics platform. The report is based on the activities of the CEZD Community of Practice and subject to change based on evolving user needs.