



COMMUNITY FOR EMERGING AND ZONOTIC DISEASES (CEZD)

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

The information in this report is compiled from publically available information sources. Its content does not reflect the opinions or positions of the community members' home organizations.

1. CEZD ASF Weekly Intelligence Report - November 30 – December 6, 2018

Summary of Global Information
<ul style="list-style-type: none">• No new countries have reported being affected by ASF this week.
<ul style="list-style-type: none">• Disease continues to spread in Europe and China<ul style="list-style-type: none">○ Europe – the pattern of spread within Europe remains the same. Wild boar 'outbreaks' are usually only an individual animal or a small group. Farms affected in Europe this week had between 2 and 361 animals per farm.<ul style="list-style-type: none">▪ Wild boar – Belgium, Hungary, Latvia, Poland and Romania▪ Domestic swine – Romania, Ukraine○ China – The disease continued to spread. The first outbreak was reported in Shaanxi Province and ASF was detected on several large farms in Beijing.
<ul style="list-style-type: none">• The Global African Swine Fever Research Alliance released the <u>ASF Gap Analysis Report</u>, which assesses current scientific knowledge and the available countermeasures.
<ul style="list-style-type: none">• Pig Progress <u>reports</u> that as a result of ASF, China is looking to other imports to meet its domestic pork demand, and that ASF has also decreased the demand for soybean imports.
<ul style="list-style-type: none">• Russian authorities are <u>raising the alarm</u> after an outbreak of African swine fever (ASF) was detected in an area of China close to the Russian border. Russia's Far East has not reported a case of ASF and there are current and planned investments in its pork production.
<ul style="list-style-type: none">• The FAO Food Chain Crisis <u>Early Warning Bulletin</u> forecasts that in Asia, ASF is "very likely to occur" in Cambodia, North Korea, South Korea, Japan, Laos, Malaysia, Mongolia, Myanmar, Thailand, and Vietnam.

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Total Cases to date in 2018 and new cases this week, Nov 30 – Dec 6 2018, as reported to the OIE:

Country	Cases to date 2018	New Cases Reported Nov 23-29	New Cases Reported
Armenia			
Azerbaijan	0 (Jan-Jun) ¹		
Belarus			
Belgium	138	4	Wild Boar
Bulgaria	4		
China	88	1	Domestic Swine
Czech republic	28		
Estonia	202 (Jan-Jun) ¹		
Georgia	0 (Jan-Jun)		
Hungary	76	16	Wild Boar
Latvia	621	15	Wild Boar
Lithuania	1025 (Jan-Jun) ¹		
Moldova	28		
Poland	3063	35	Wild Boar
Romania	1300	11	4 Domestic Swine 7 Wild Boar
Russia	106		
Sardinia	48 (Jan-Jun) ¹	Ongoing considered endemic	
Ukraine	190	2	Domestic Swine

¹ Indicates a 6 monthly report to OIE has been submitted

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[Google map](#) of new cases this week (as reported to OIE). Locations identified are approximate.



New Cases in Europe as reported to the OIE from Nov 30 – Dec 6, 2018.

Blue = wild boar, Red = domestic swine

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China - 1 new case reported to the OIE from Nov 30 – Dec 6, 2018.



Blue = wild boar, Red = domestic swine

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[Pig Progress map of all cases in China](#) as of December 6, 2018

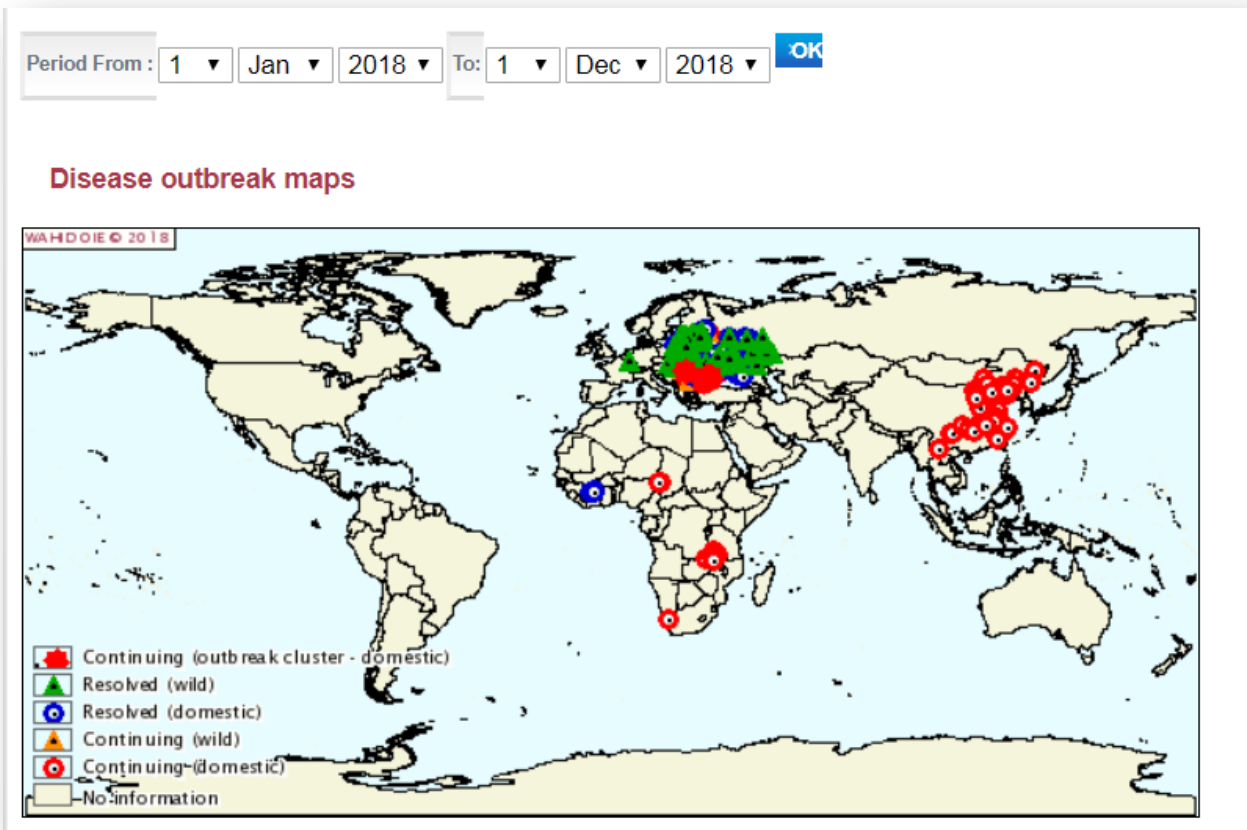
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Cases of ASF Reported in 2018 (WAHID OIE)

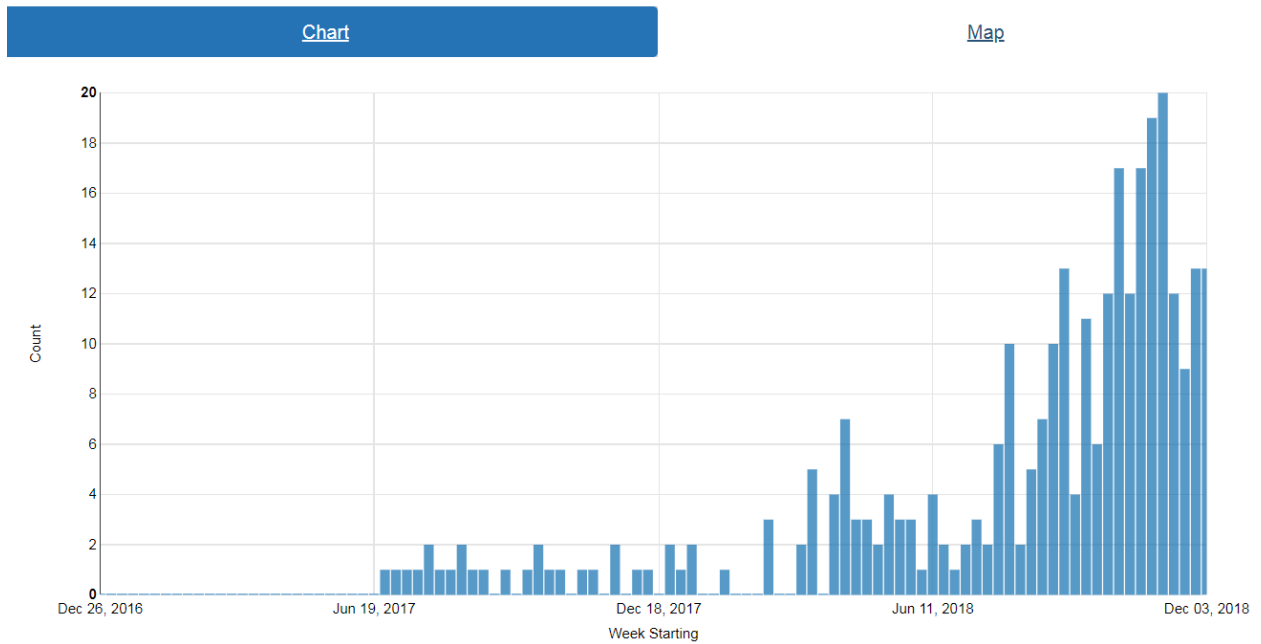


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Signal Trend for ASF since January 2017

Signals with matching hazards between Dec 26, 2016 and Dec 09, 2018.



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2. Background Information on Current African Swine Fever Situation

The following information was provided publically on September 27, 2018. Attendees included CEZD, CFIA, Provinces, Canadian Association of Swine Veterinarians, CPC and many others.

Presentation: https://www.cahss.ca/media/uploads/template-documents/documents/18-09-27_21-57/CEZD_September_27_2018_Webinar_on_Af_SmC9U4j.pdf

Recording: <https://gts-ee.webex.com/gts-ee/ldr.php?RCID=3a37bc7364fdbc1feb30cdb3165e1188>

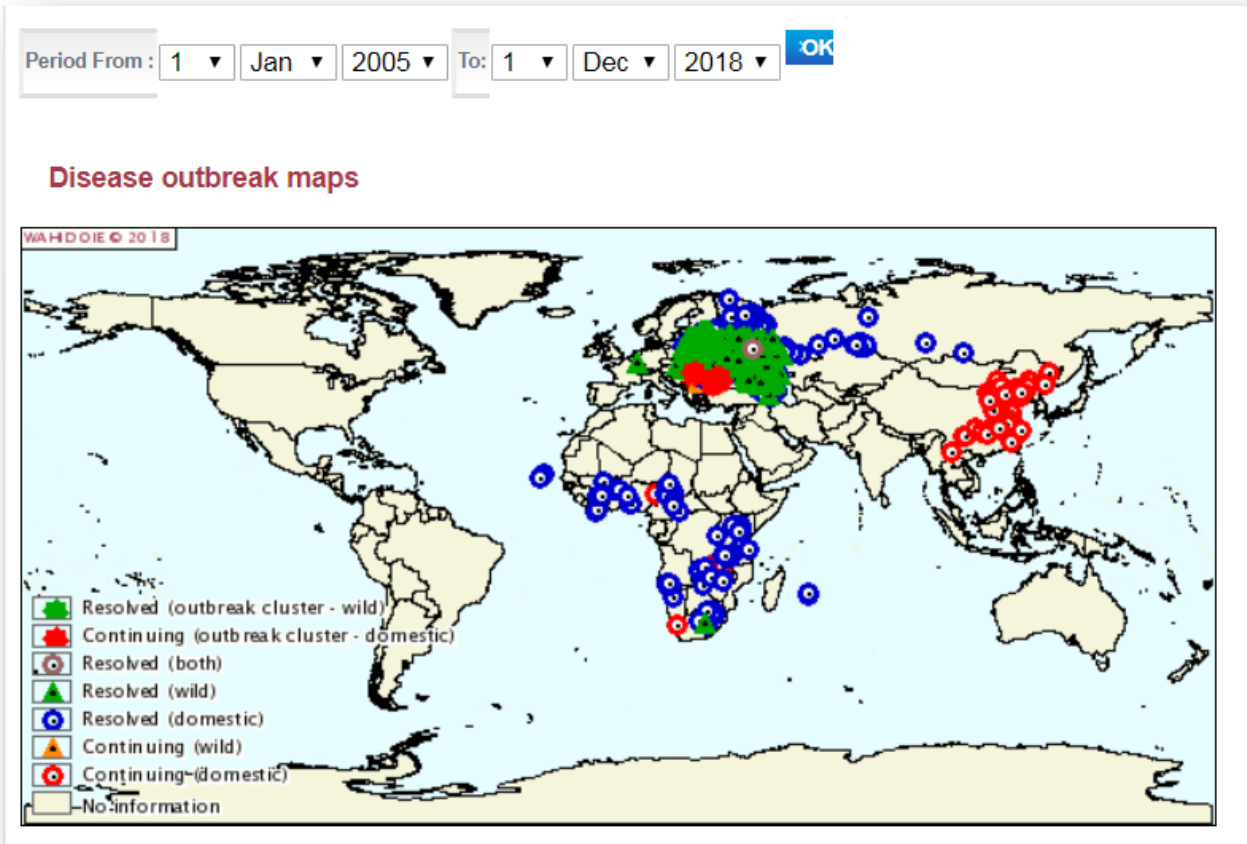
Dates of introduction to each country and primary hosts

Year	Country	Domestic pigs/Wild pigs/both
1909	African Countries	Sylvatic cycle in wild suids, spread to domestic pigs upon introduction
1960's to 1999	Incursions to Iberian Peninsula	Eradicated by 1999
1978	Italy – Sardinia	Both (remains persistently infected)
2007	Georgia	Domestic pigs
2007	Armenia	Both (mainly domestic)
2007	Azerbaijan	Domestic pigs
2007	Russian Federation (Caucasus)	wild boar
2008	Southern Russia	domestic pigs became infected
2010	endemic in S. Russia	Both (mainly domestic)
2011	endemic in N Russia	Both (mainly domestic)
2012	Ukraine	Both (mainly domestic)
2013	Belarus	domestic only
2014	Latvia	both (mainly wild boar)
2014	Lithuania	both (mainly wild boar)
2014	Poland	both (mainly wild boar)
2014	Estonia	both (mainly wild boar)
2016	Moldova	Both (mainly domestic)
2017	Czech republic	wild boar
2017	Romania	Both (mainly domestic)
2018	Hungary	wild boar
2018	Bulgaria	Domestic pigs
2018	China	Both (mainly domestic)
2018	Belgium	wild boar

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Map of Global ASF Outbreaks 2005 – 2018



Animation of the spread of ASF through Europe 2007 – 2018 provides a great visual of the disease spread for the last 11 years. https://ec.europa.eu/food/sites/food/files/animals/docs/ad_control-measures_asf_anim_asf-endim-spread-since-2007.wmv

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