

Swine Disease Global Surveillance Report

The global swine disease surveillance system was initially tested for the three tier-1 foreign swine diseases (ASF, CSF, FMD). Since last month it was expanded to other relevant diseases of swine (such as: porcine rotavirus, Porcine epidemic diarrhea virus (PEDV) and Aujeszky's disease/pseudorabies (Suid herpesvirus 1 (SuHV1)). No relevant news item was identified for any of those diseases this month.

Monday, April 23, 2018 – Monday, May 28, 2018

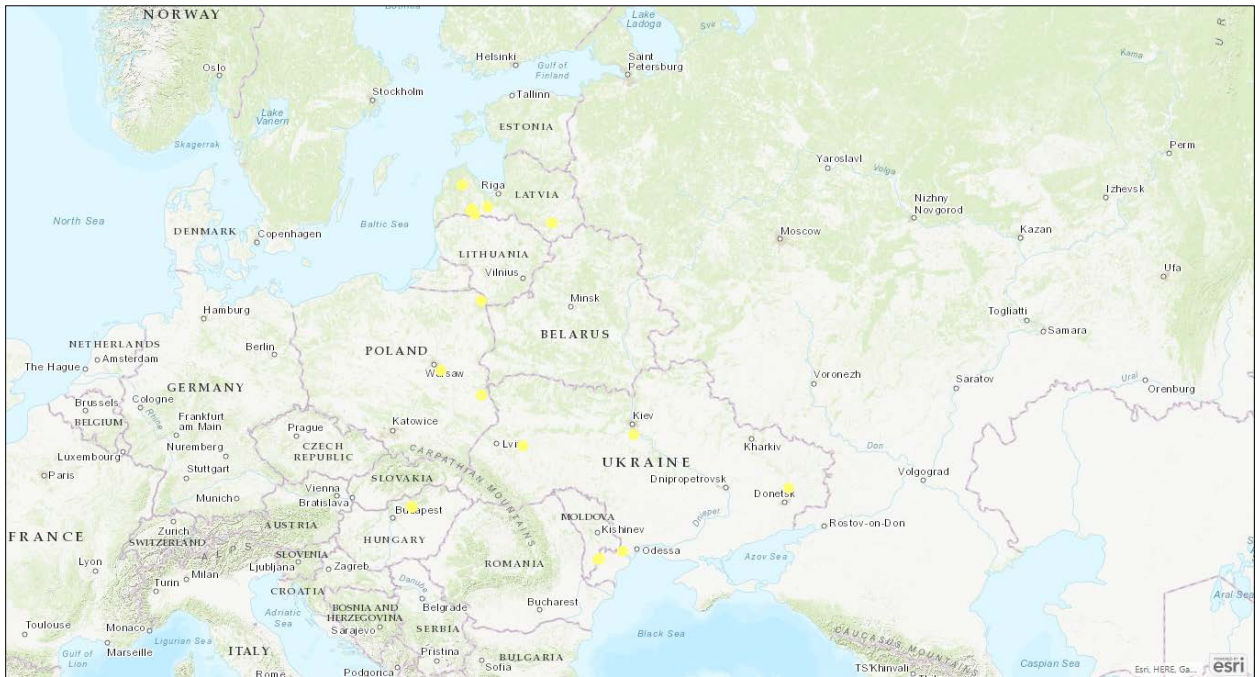
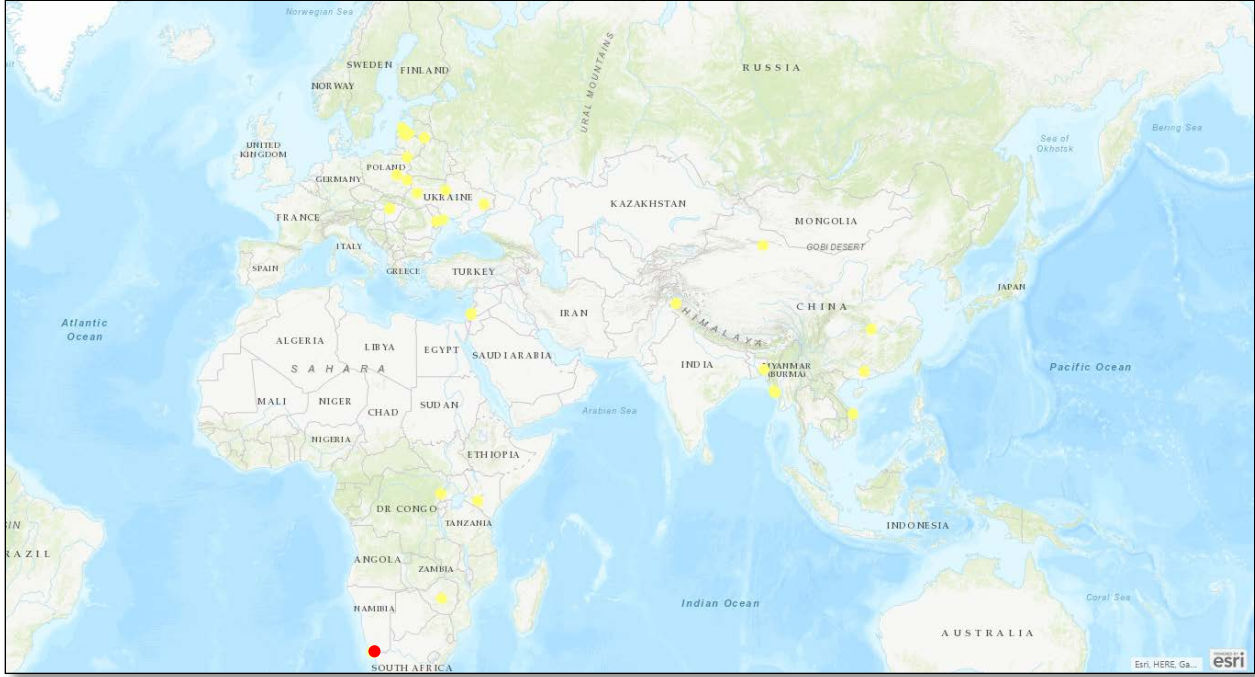
Report highlight: This past month didn't show any significance change of status concerning ASF in the EU, while a new outbreak was reported in a farm in South Africa. The last outbreak was reported in 2016, and this one followed a recent Listeriosis outbreak that challenged the local/regional pork industry ([LINK WHO report](#)). The OIE report detailed that the ASF outbreak was outside the country's ASF control zone, but coordinates are protected by the confidentiality of the local legislation.

Event #1	
Date of the event: 5/14/2018	Description: Foot and Mouth Disease was confirmed in Zimbabwe, specifically in Chivake, Makumbe, Ndahwi, and Gutu. This affected cattle in the following ways: At-risk: 7631 cases: 252, deaths: 0, destroyed: 0, slaughtered: 0.
Location: Zimbabwe; Various	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.67*	
Event #2	Description: FOOT & MOUTH DISEASE - CHINA (05): (GUANGXI ZHUANG) SEROTYPE O, SWINE, OIE. Date of start of the event: 11 Apr 2018. Serotype: O Nature of diagnosis: clinical, laboratory (basic and advanced) This event pertains to a defined zone within the country. New outbreaks (1) Summary of the outbreaks Total outbreaks: 1 Outbreak 1: Cenxi City, [Guangxi Zhuang Autonomous Region] Date of start of the outbreak: 11 Apr 2018 Outbreak status: continuing (or date resolved not provided) Epidemiological unit: slaughterhouse Total animals affected: Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered Swine / 51 / 15 / 0 / 51 / 0. Outbreak statistics [rates apparent, expressed as percentages] Species / morbidity rate / mortality rate / case fatality rate / Proportion susceptible animals lost * Swine / 29.41 / 0 / 0 / 100 * Removed from the susceptible population through death, destruction, and/or slaughter
Date of the event: 4/24/2018	
Location: China; GUANGXI ZHUANG; Cenxi	
Disease type: FMD	
Species affected: Swine	
Significance score: 1.00*	
Event #3	Description: The Ministry of Agriculture and Rural Information Office released on May 18 an outbreak of cattle O-type foot and mouth disease in Jiangling County, Hubei Province. On May 4, the cattle raised by some farmers in Jiangling County, Hubei Province experienced the symptoms of foot-and-mouth disease. There were 11 cattle and 2 dead
Date of the event: 5/23/2018	
Location: China; Hubei;	

Jiangling	cattle. On May 6, the Hubei Provincial Center for Animal Epidemic Prevention and Control diagnosed a suspected foot-and-mouth disease outbreak. On May 18, confirmed by the national reference laboratory for foot-and-mouth disease, the outbreak was an O-type foot-and-mouth disease epidemic. Culled and detoxified: 86 livestock. At present, the epidemic has been effectively controlled.
Disease type: FMD	
Species affected: Bovine	
Significance score: 1.00*	Reporting source: Ministry of Agriculture and Rural Affairs
Event #4	
Date of the event: 5/19/2018	Description: Epidemiological unit: Backyard.
Location: China; Hubei; Majiazhai	Species/Susceptible/Cases/Deaths/Killed/Disposed Cattle: 79 susceptible - 11 cases - 2 deaths - 77 killed - 0 slaughtered. Goats: 7 susceptible- 0 cases- 0 deaths - 7 killed - 0 slaughtered. Source of the outbreak(s) or origin of infection is unknown or inconclusive.
Disease type: FMD	
Species affected: ruminants	
Significance score: 2.00*	Reporting source: OIE
Event #5	
Date of the event: 4/26/2018	Description: Total outbreaks: 1 Outbreak 1: Hami City, Yizhou district, [Xinjiang Uygur Autonomous Region]. Date of start of the outbreak: 12 Apr 2018. Outbreak status: continuing (or date resolved not provided).
Location: China; Yizhou district; Hami	Epidemiological unit: farm. Total animals affected: Species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered - Cattle / 41 / 6 / 0 / 41 / 0. Outbreak statistics [rates apparent, expressed as percentages]
Disease type: FMD	Species / Morbidity rate / Mortality rate / Case fatality rate / Proportion susceptible animals lost*: Cattle / 14.63 / 0 / 0 / 100 (*Removed from the susceptible population through death, destruction, and/or slaughter)
Species affected: Cattle	
Significance score: 1.00*	Reporting source: OIE
Event #6	
Date of the event: 5/14/2018	Description: According to Document No. 2579 / UBND-NNTN dated May 10, the foot and mouth disease has been occurring in the province since the beginning of 2018 in 22 communes of 9 districts in Quang Ngai province. The total number of infected animals is 415 (150 buffaloes, 244 infected pigs). The outbreak has been controlled, but the risk of spread on a large scale is very high in the current weather season.
Location: Vietnam; Quang Ngai; Various	
Disease type: FMD	
Species affected: Buffaloes, Pigs	
Significance score: 1.00*	Reporting source: Ministry of Agriculture
Event #7	
Date of the event: 5/26/2018	Description: Date of start of the event: 13 May 2018; Causal agent: foot and mouth disease virus Serotype: O; Total outbreaks: 5; Outbreak cluster 1: Yan Thit Chay, Ah Wa Taung, Hpet Kya, Let Pan Ah Nyar, Let Pan Ah Wa, Ramree, Kyaukpyu, Rakhine State (5 outbreaks); Outbreak status: continuing (or date resolved not provided); Epidemiological unit: village; Total animals affected (species / Susceptible / Cases / Deaths / Killed and disposed of / Slaughtered): Cattle / 1500 / 97 / 0 / 0 / 0.
Location: Myanmar; Various	Control measures applied: movement control inside the country; vaccination in response to the outbreak (s); surveillance within containment and/or protection zone; quarantine; disinfection; no treatment of affected animals - Measures to be applied: zoning.
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: EMPRES-i ; OIE
Event #8	
Date of the event: 5/11/2018	Description: Outbreak of PRRS, with co-infection of Classical Swine Fever. At least 1026 pigs and piglets have died and 3639 others affected in Mizoram due to the outbreak PRRS and classical swine [fever] since March this year [2018], officials said on [Sun 6 May 2018]. At least 245
Location: India; Mizoram	

Disease type: CSF	blood samples have been tested so far, of which 133 were identified to be infected with PRRS and 90 others with CSF.
Species affected: porcine	
Significance score: 1.00*	Reporting source: Northeast Today
Event #9	Description: Dozens of cattle have been affected by foot-and-mouth disease (FMD) in Larr area of Ganderbal district. The Krishi Vigyan Kendra (KVK) Ganderbal [Wed 16 May 2018] organised a special camp where farmers were made aware about the management, prevention and control of the disease.
Date of the event: 5/16/2018	
Location: India; Various	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: Greater Kashmir
Event #10	Description: Foot and mouth disease was confirmed in cattle in various areas of Kenya including Kiambu and Kabetet. The following information was available about the affected cattle: at-risk: 342, cases: 24, deaths: 0, destroyed: 0, slaughtered: 0.
Date of the event: 5/08/2018	
Location: Kenya; Various	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #11	Description: Foot and mouth disease was confirmed in cattle in the Kasese District of Uganda, which had not experienced such an outbreak in 10 years. The outbreak affected 20 long-horned Ankole cattle and the FMD serotype isolated from the cattle was one not commonly found in Uganda. No other data was available regarding the current outbreak.
Date of the event: 5/25/2018	
Location: Uganda; Kasese District	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: National Agricultural Research Organization of Uganda
Event #12	Description: Foot and mouth disease was confirmed in cattle and an unspecified mammal in various areas of Israel including Hamadya, Nahal Tavor, Newe Ur, and Kokhav Hayarden. No information was available about the number of animals affected.
Date of the event: 4/29/2018	
Location: Israel; Various	
Disease type: FMD	
Species affected: Cattle, unspecified mammal	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #13	Description: African Swine Fever was detected in wild boars in various areas of Estonia including Saaremaa and Harju County. 57 wild boars were found to be affected in Saaremaa while 38 wild boars were affected in Harju County.
Date of the event: 5/8/2018	
Location: Estonia; Various	
Disease type: ASF	
Species affected: Wild boars	
Significance score: 1.00*	Reporting source: Unknown
Event #14	Description: African Swine Fever was confirmed in swine and wild boar in various areas of Poland including Warminsko-Mazurskie, Lubelskie, Podlaskie, and Mazowieckie. The following data was available regarding the affected swine: at-risk: 97, cases: 35, deaths: 34, destroyed: 63, slaughtered: N/A. The following was available regarding the affected wild boar: at-risk: N/A, cases: 12, deaths: 12, destroyed: N/A, slaughtered: N/A.
Date of the event: 4/27/2018	
Location: Poland; Various	
Disease type: ASF	
Species affected: Swine and wild boar	

Significance score: 1.00*	Reporting source: EMPRES-i
Event #15	
Date of the event: 4/30/2018	Description: African Swine Fever was confirmed in wild boar in various areas of Hungary including Heves and Szabolcs-szatmar-bereg. The following was available regarding the affected wild boar: at-risk: N/A, cases: 7, deaths: 7, destroyed: N/A, slaughtered: N/A.
Location: Hungary; Various	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #16	
Date of the event: 4/27/2018	Description: African Swine Fever was confirmed in swine in various areas of Moldova including Tighina and Gagauzia, . The following was available regarding the affected swine: at-risk: 29, cases: 12, deaths: 6, destroyed: 23, slaughtered: 0.
Location: Moldova; Various	
Disease type: ASF	
Species affected: Swine	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #17	
Date of the event: 4/27/2018	Description: African Swine Fever was confirmed in swine and wild boar in various areas of Ukraine including Donets'ka, Kyyivs'ka, Vinnyts'ka, Ternopil's'ka, Cherkas'ka, and Odes'ka. The following data was available regarding the affected swine: at-risk: 487, cases: 35, deaths: 35, destroyed: 488, slaughtered: 0. The following was available regarding the affected wild boar: at-risk: 8, cases: 5, deaths: 5, destroyed: 5, slaughtered: 0.
Location: Ukraine; Various	
Disease type: ASF	
Species affected: Swine and wild boar	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #18	
Date of the event: 4/25/2018	Description: African Swine Fever was confirmed in wild boar in various areas of Latvia including Jelgavas, Preilu, Rezeknes, Dobeles, Talsu, Tukuma, Aizkraukles, Valmieras, Bauskas, Daugavpils, Cesu. The following was available regarding the affected wild boar: at-risk: N/A, cases: 34, deaths: 18, destroyed: 18, slaughtered: N/A.
Location: Latvia; Various	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 1.00*	Reporting source: EMPRES-i
Event #19	
Date of the event: 5/30/2018	Description: Outbreak outside South Africa's ASF Control Zone. Coordinates modified to protect confidentiality as required by South African Legislation. Outbreak identified in a farm 14% morbidity, 100% mortality - 05-23-2018. Measures applied: Movement control inside the country, Quarantine, Vaccination permitted (if a vaccine exists), No treatment of affected animals, Measures to be applied Selective killing and disposal. The event is continuing. Weekly follow-up reports will be submitted.
Location: South Africa	
Disease type: ASF	
Species affected: porcine	
Significance score: 2.00*	Reporting source: OIE
* Significance score: A scoring system to assess the likelihood a disease event will impact the global swine industry. Scores range from 1-3 (low-high) based on the novelty of the disease, effect on the swine industry, and impact on trade.	



The locations of countries mentioned in this report are colored in the above map according to significance score (1: yellow, 2: red, 3: blue).