

## Swine Disease Global Surveillance Report

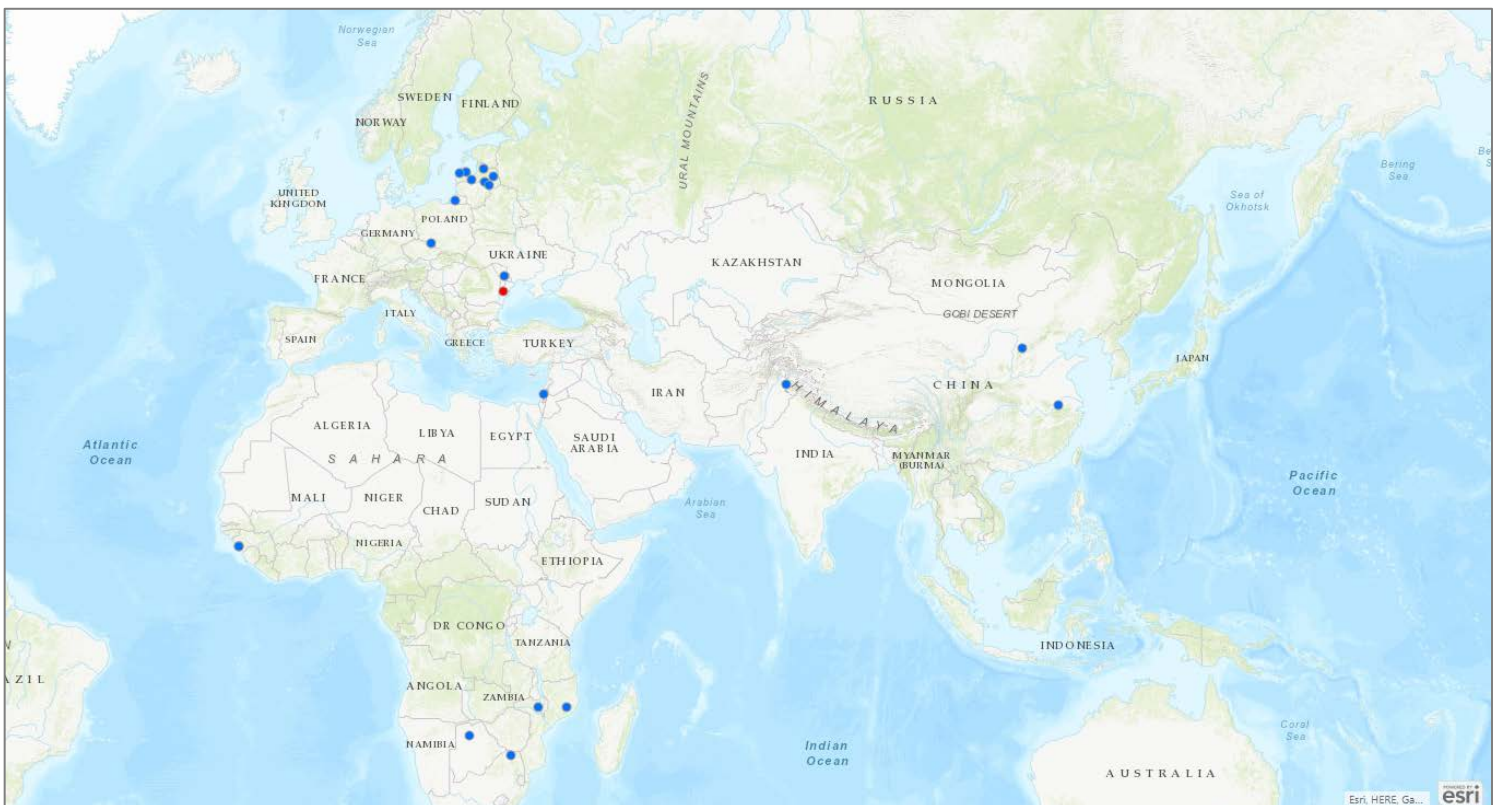
**Monday, May 28<sup>th</sup> 2018 – Sunday, June 25<sup>th</sup> 2018**

The Global Swine Disease Surveillance System reports monthly the three tier-1 foreign swine diseases (ASF, CSF, FMD), and other relevant diseases, such as: Porcine Rotavirus, Porcine Epidemic Diarrhea virus (PEDv) and Aujeszky's disease/pseudorabies (Suid herpesvirus 1 (SuHV1)). The reported events are scored according to the criteria: the novelty of the disease, effect on the swine industry, and impact on international trade.

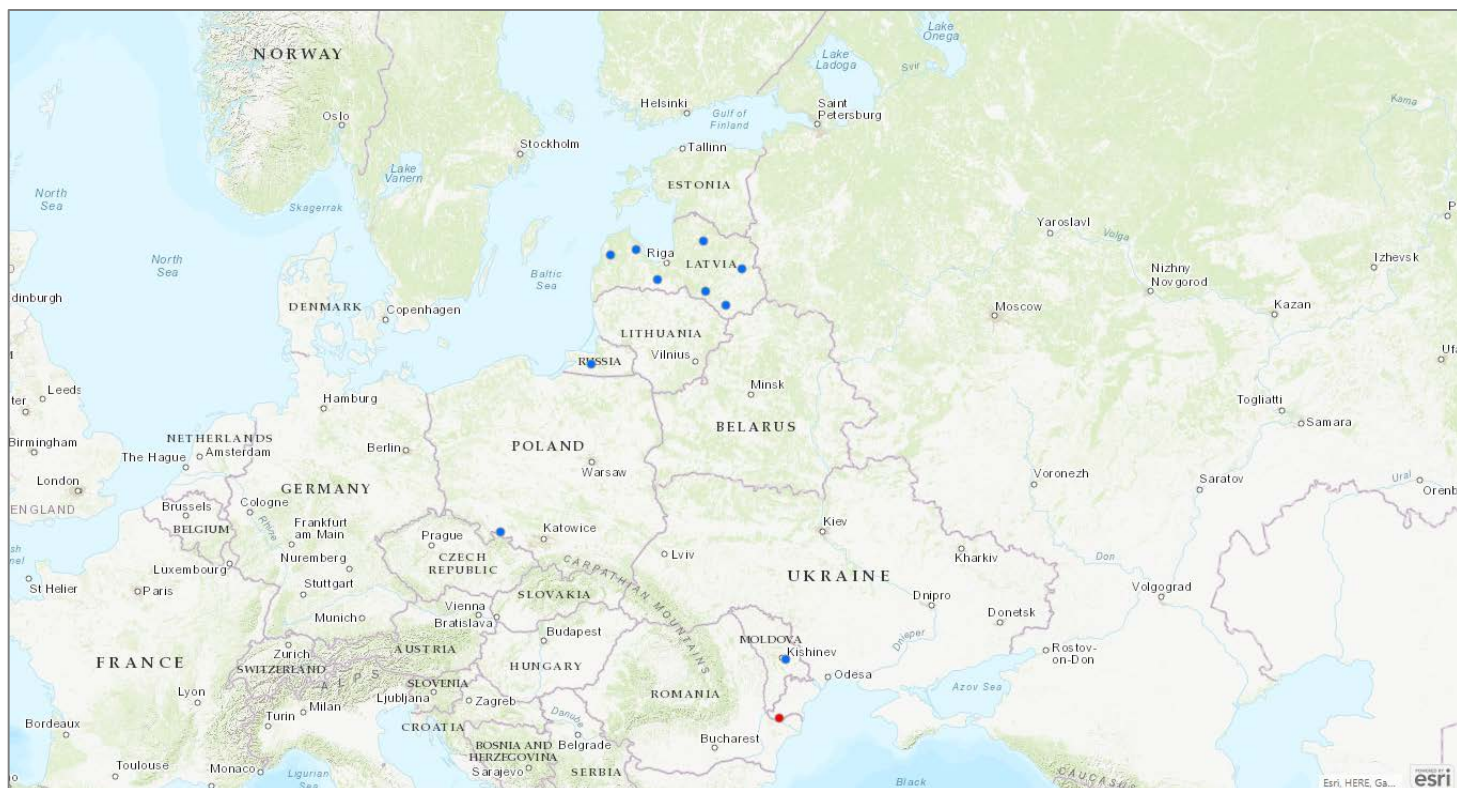
**NEW:** This month report includes the first Special summary. These specials will summarize the epidemiological situation of a specific disease, facilitating the interpretation of the information provided in the monthly reports.

**Report highlights:** Eastern Europe continues to see the further establishment of African Swine Fever. Border areas are a particular concern. Romani has seen a new occurrence in backyard swine that is across the country from previous outbreaks, but adjacent to Ukraine, a country that has had difficulty controlling the disease. Many countries are considering the construction of fences, with Denmark recently approving a 44-mile fence along its border with Germany.

**Report Maps:** The locations mentioned in this report are colored in the maps below according to significance score, which are based on the identified hazards (list of worldwide events reported) and potential risks to the US swine industry. For this report, only relevant events for ASF, CSF and FMD were identified (*detailed list below*).



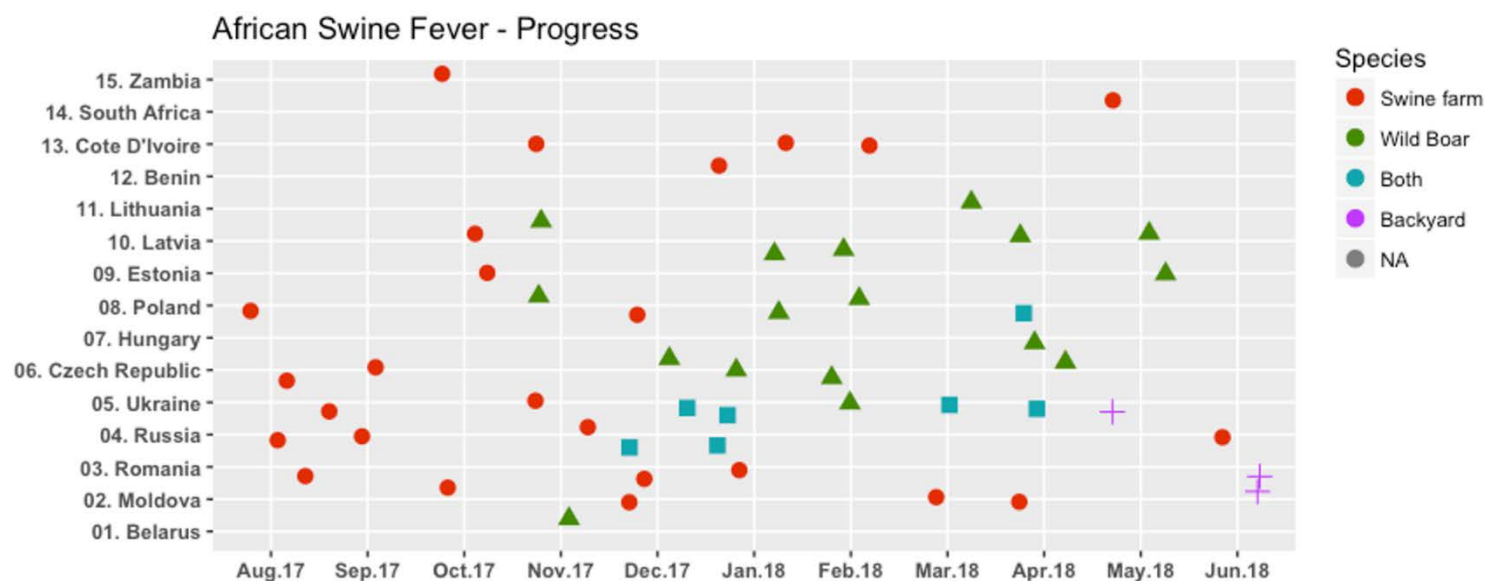
1: Blue – no change in status, 2: red - needs extra attention as the situation is dynamic; 3: black - requires consideration of change in practices to reduce exposure by the US industry.



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### Special #1 ASF Reports – Summary

Since the beginning of this project, ASF has been reported in swine farms, wild boars and backyard pigs, in different countries. Below, graphic summaries of ASF reports in the timeframe by species, in the three main regions in Europe, comprising: Eastern Europe, transition region between East and Western Europe (Poland, Hungary and Czech Republic), and Baltics (Lithuania, Latvia and Estonia).



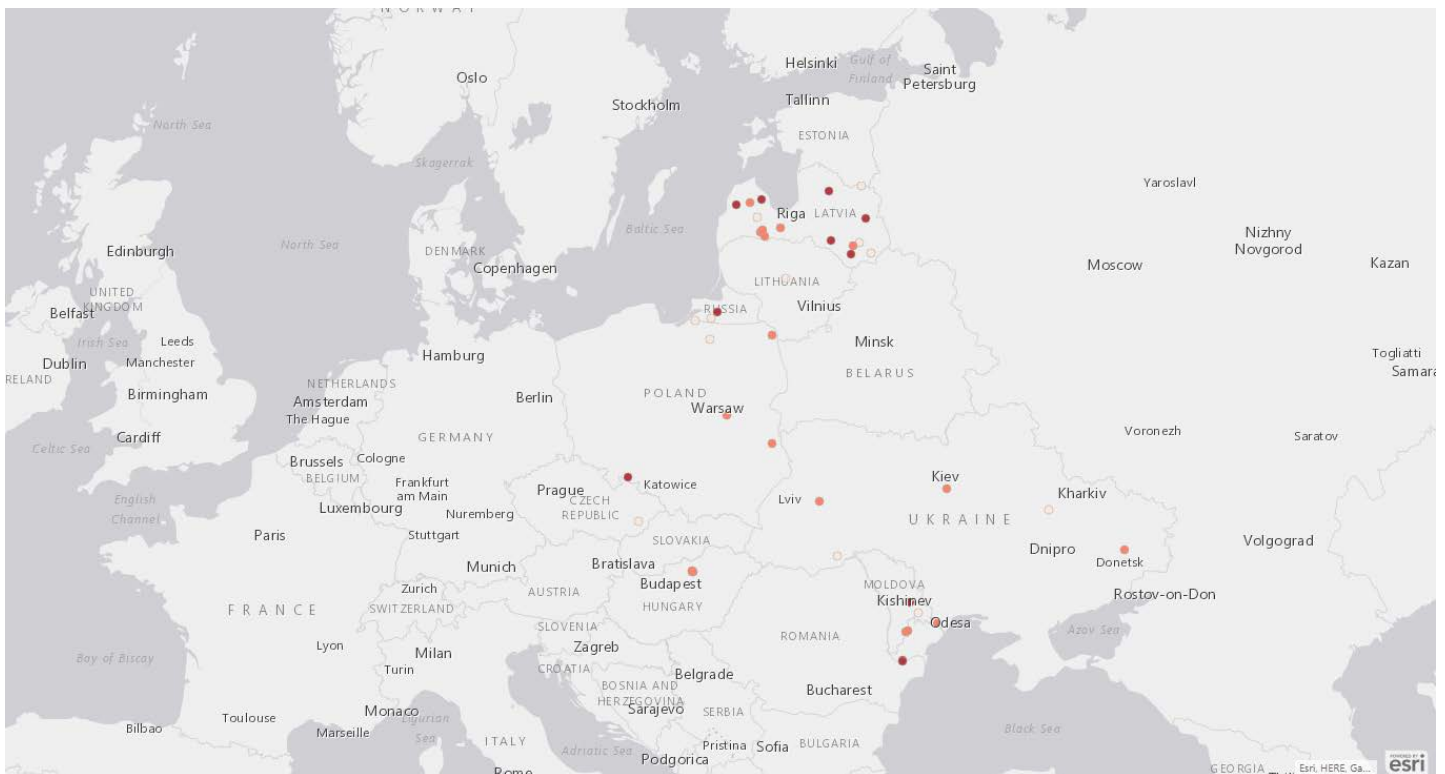
Both, different forms and colors were used to facilitate the identification of different kind of events through time and countries. References are detailed in the right panel.

ASF cases has been reported in different countries in Eastern Europe, moving towards Western Europe and the Baltic countries. The main interventions currently implemented are based on control of wild boar density populations and movement among counties, and specially to limit the movement of contaminated by-products through borders. Special attention has been given to the role that humans may play, since the movement of people among regions carrying meat by-products is considered a risk to the transmission of ASF.

For further reference:

- [European commission for Animal diseases – ASF current situation and current application of regionalization](#)

The map below demonstrates the distribution of ASF cases reported in the last three months.



*Location of ASF events in the last three month are colored in the maps below according the date of occurrence. Lighter color represents older events (April), darker color the most recent ones (June).*



## Reports Identified during the. Month of June – List and description of cases.

<b>Event #1</b>	Description: Outbreak occurred in South Africa's FMD Protection Zone and does not affect the status of South Africa's FMD Free Zone. Coordinates modified to protect confidentiality as required by South African Legislation. Outbreak statistics: morbidity rate 0.35%; Apparent case fatality rate. 0.00%. Measures applied: movement control inside the country, quarantine; Vaccination in response to the outbreak (s).
Date of the event: 5/30/2018	
Location: South Africa	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #2</b>	Description: No change in status. Current report regarding an outbreak that occurred in May 25th-2018, apparent morbidity 14.29%. This was the nineteenth report of the continuing status in the country. Measures applied: movement control inside the country; Disinfection / Disinfestation; Traceability; Quarantine; Official disposal of carcasses, by-products and waste; Stamping out; Surveillance within containment and/or protection zone; Control of wildlife reservoirs; Zoning; Vaccination permitted (if a vaccine exists); No treatment of affected animals
Date of the event: 5/30/2018	
Location: Ukraine; Rovno; Zdolbuniv, Rovno	
Disease type: ASF	
Species affected: Swine - Backyard	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #3</b>	Description: No change in status. Current report regarding an outbreak that occurred in January 2nd-2018. Outbreak status: Resolved in 23/05/2018. This was the nineteenth report and is considered a whole country situation. African swine fever positive wild boars were hunted or found dead within the already defined African swine fever infected area which had been established in accordance with the EU legislation - Commission Implementing Decision 2014/709/EU.
Date of the event: 5/30/2018	
Location: Latvia	
Disease type: ASF	
Species affected: Wild boar - <i>Sus scrofa</i> (Suidae)	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #4</b>	Description: Change in status of the country. Event started in May 25 <sup>th</sup> 2018, and reported in June 6th. Apparent morbidity rate 0.37%; Apparent case fatality rate 0%. Unknown Source of the outbreak(s) or origin of infection. Investigation still on going to establish the extent of spread; follow-up reports to be furnished. Measures applied: Movement control inside the country; Surveillance outside containment and/or protection zone; Surveillance within containment and/or protection zone; Quarantine; Disinfection; Process to inactivate the pathogenic agent in products or by-products; Vaccination in response to the outbreak; Screening; Traceability; Official disposal of carcasses, by- products and waste.
Date of the event: 6/1/2018	
Location: Malawi; Neno; Feremu village	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #5</b>	Description: First occurrence, started June 07 - 2018. Apparent morbidity rate: 27.27%, case fatality rate 100%. Source of the outbreak: Unknown; Swill feeding. The owner of a backyard farm from the village of Mireni notified the territorial subdivision of the competent authority for food safety about the death of six pigs. Pigs had typical signs. The dead and live pigs were destroyed.
Date of the event: 6/11/2018	
Location: Moldova; Mireni & Anenii Noi	
Disease type: ASF	
Species affected: Swine - backyard farm	

Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #6</b>	
Date of the event: 6/12/2018	
Location: China; various; Xinzhou (Shanxi Province); Fushun City (Liaoning province)	Description: Recurrence of a listed disease, current outbreak started in May 27th, 2018. Apparent morbidity rate 3.33%.
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	
Reporting source: <a href="#">OIE</a>	
<b>Event #7</b>	
Date of the event: 6/12/2018	Description: Recurrence of a listed disease, event started May 20th -2018. Apparent morbidity rate 25.40%; Apparent mortality rate 17.46%; Apparent case fatality rate 68.75%; Proportion susceptible animals lost* 100.00%. Source of the outbreak or origin of infection is unknown.
Location: China; various; Suncun Town, Fanchang, Wuhu, Anhui	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>

<b>Event #8</b>	Description: First occurrence of a listed disease. Date of start of the event June 09th - 2018 - 04 outbreaks in Tulcea. Apparent morbidity rate 100.00%; Apparent mortality rate 35.29%; Apparent case fatality rate 35.29%; Proportion susceptible animals lost 100.00%. Source of the outbreak or origin of infection is unknown. Measures applied: Movement control inside the country; Surveillance outside containment and/or protection zone; Surveillance within containment and/or protection zone; Traceability; Official disposal of carcasses, by-products and waste; Stamping out; Disinfection.
Date of the event: 6/13/2018	
Location: Romania; Tulcea	
Disease type: ASF	
Species affected: Swine - backyard farm	
Significance score: 2.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #9</b>	Description: Recurrence of a listed disease. Date of start of the event June 05-2018 - a defined zone within the country. Apparent morbidity rate 100%; Proportion susceptible animals lost 100.00%. Source of the outbreak or origin of infection is unknown.
Date of the event: 6/13/2018	
Location: Russia; Kaliningradskaya Oblast; Suvorovo, Gvardeysky	
Disease type: ASF	
Species affected: Swine	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>
<b>Event #10</b>	Description: Recurrence of a listed disease. Date of start of the event June 09th - 2018. Apparent morbidity rate 1.34%; Apparent mortality rate 0%. Source of the outbreak or origin of infection is unknown. A farmer reported lameness, drooling and dullness of cattle in his herd. Clinical investigations revealed salivation, dullness, swollen gums, necrosis/lesions in the interdigital space and coronary band in all four feet, ulcers on the dorsal aspect of the tongue, dental pad with fibrin deposits in 5 cattle.
Date of the event: 6/15/2018	
Location: Botswana; Naune Crush, MAUN, NGAMILAND, Ngamiland	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">OIE official report</a>

<b>Event #11</b>	
Date of the event: 6/18/2018	Description: First occurrence of a listed disease - in a defined zone within the country. Date of start of the event May 17th - 2018 being reported 30 days later. Apparent morbidity rate 1.06%; Apparent mortality rate 0.5%; Apparent case fatality rate 47%; Proportion susceptible animals 0.5%. Source of the outbreak or origin of infection: Animals in transit.
Location: Mozambique; Namachepa, Namachepa, Mogovolas, Nampula	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	
<b>Event #12</b>	
Date of the event: 6/20/2018	Description: Recurrence of a listed disease in a defined zone within the country. Date of start of the outbreak June 17th - 2018. Apparent morbidity rate 12.9%; Apparent case fatality rate 0%; Proportion susceptible animals lost 0%. Source of the outbreak or origin of infection is unknown. Epidemiological comments: The owner newly introduced straw from a new source to his farm.
Location: Palestinian Auton. Territories; West Bank, Silet Aldaher, Jenin , West Bank	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	
<b>Event #13</b>	
Date of the event: 5/28/2018	Description: The disease has been raging for several months and has already decimated ten oxen. This disease was introduced from Mali with the presence of zebus.
Location: Guinea; Kanisoulédou, Kassiadou and Taligbalako	
Disease type: FMD	
Species affected: Ox	
Significance score: 1.00*	
<b>Event #14</b>	
Date of the event: 6/23/2018	Description: Outbreak of FMD in many villages of north Kashmir has led to the death of many animals from past one month, while hundreds other have fallen sick.
Location: India; Jammu & Kashmir	
Disease type: FMD	Reporting source: <a href="#">KASHMIR READER</a>
Species affected: cow, goat and sheep	
Significance score: 1.00*	
<b>Event #15</b>	
Date of the event: 6/13/2018	Description: A farm was detected positive, and it is located within the restricted area listed under the zones of the Annex to EC Decision 2014/709/EU. African swine fever positive wild boars were hunted or found dead within the already defined African swine fever infected area which had been established in accordance with the EU legislation - Commission Implementing Decision 2014/709/EU.
Location: Lavia; Jaunsvirlaukas parish, Jelgavas county, Jelgavas	
Disease type: ASF	
Species affected: Swine	
Significance score: 1.00*	
<b>Event #16</b>	
Date of the event: 6/29/2018	Description: Continued situation in Mizoram. High piglet mortality detected in Mizoram, from a condition that started in March/2018. Animal Husbandry reports that at least 7,098 pigs and piglets have
Location: India; Mizoram	
Disease type: CSF	

Species affected: Swine	been taken ill till date. The outbreak has affected over 100 villages in eight districts, however the outbreak has waned since the past three weeks.
Significance score: 1.00*	Reporting source: <a href="#">BUSINESSE STANDARD</a>
<i>*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.</i>	