

### Swine Disease Global Surveillance Report

The global swine disease surveillance system is initially being tested for the three tier-1 foreign swine diseases (ASF, CSF, FMD) with the expectation of expanding it to other relevant diseases of swine in the future.

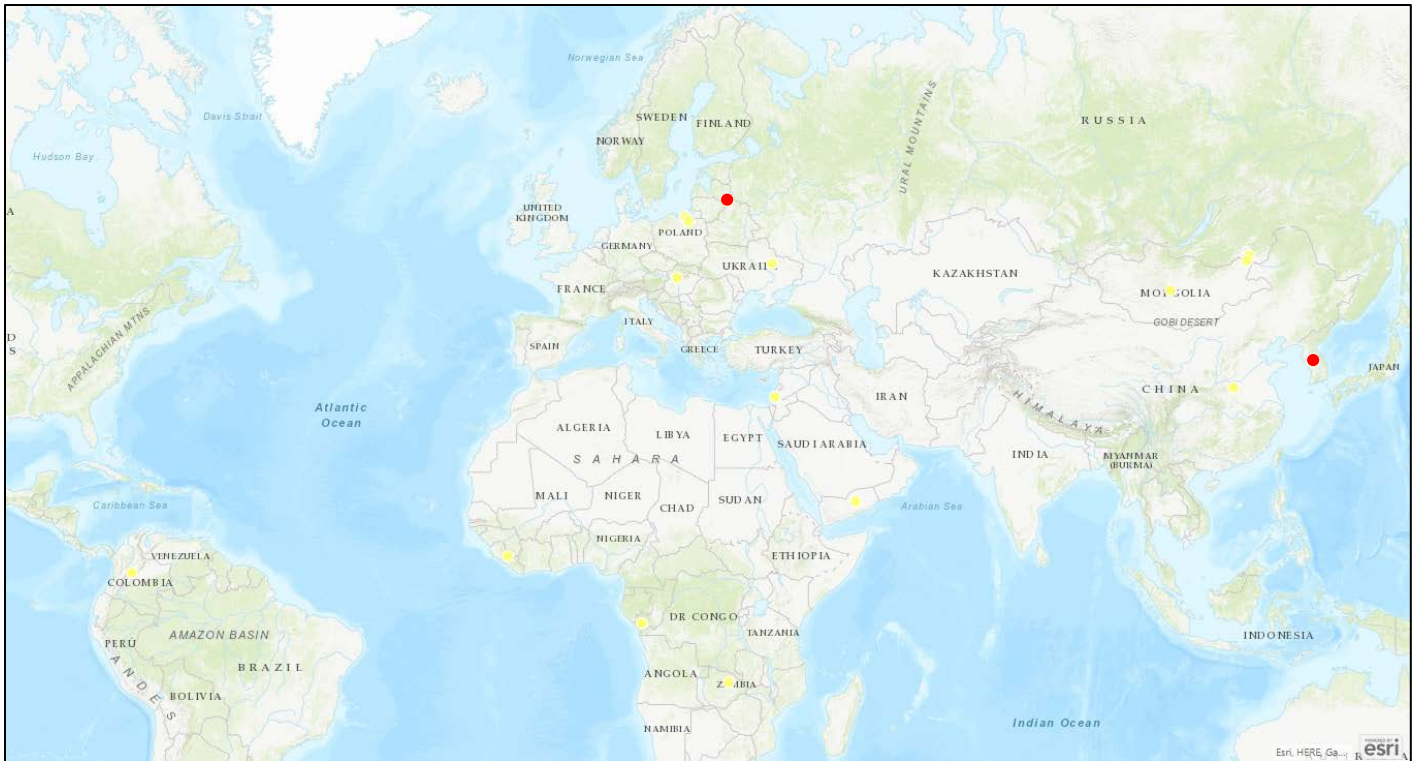
Effective this month, we started doing searches for (porcine rotavirus, Porcine epidemic diarrhea virus (PEDV) and Aujeszky's disease/pseudorabies (Suid herpesvirus 1 (SuHV1)). However, no relevant news item was identified for any of those diseases and we are still in the process of optimizing the searched for those pathogens.

Monday, March 18, 2018 – Monday, April 23, 2018

**Report highlight:** April saw the addition of Hungary as the seventh country in the EU now with African Swine Fever. It was found in a wild boar that was a considerable distance from known infected populations. Local authorities report that the disease was probably introduced through infected food waste. Pig prices have plunged as external markets; including Serbia, Japan and South Korea have stopped importations of pigs and pork products.

<b>Event #1</b>	
Date of the event: 4/06/2018	Description: African Swine Fever (ASF) was confirmed in wild boar in various areas of Poland including Lubeiskie, Mazowieckie, Warminsko-Mazurskie, and Podlaskie. The following is the information provided about the affected animal population: 0 at-risk, 11 cases, 11 deaths, 0 destroyed, and 0 slaughtered.
Location: Poland; Various	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 1.00*	
	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #2</b>	
Date of the event: 4/12/2018	Description: African Swine Fever (ASF) was confirmed in wild boar in various areas of Latvia including Rezeknes, Ventspils, Daugavpils, Jekabpils, Jelgavas, Tukuma, Rigas, Kraslavas, Talsu, Bauskas, Aizkraukles, and Kuldigas. The following is the information provided about the affected animal population: 0 at-risk, 18 cases, 8 deaths, 10 destroyed, and 0 slaughtered.
Location: Latvia; Various	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 1.00*	
	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #3</b>	
Date of the event: 3/27/2018	Description: Foot and Mouth Disease (FMD) was confirmed in swine in Kyonggi-do, South Korea. The following is the information provided about the affected animal population: 4059 at-risk, 59 cases, 1 deaths, 4058 destroyed, and 0 slaughtered.
Location: South Korea; Kyonggi-do	
Disease type: FMD	
Species affected: Swine	
Significance score: 2*	
	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #4</b>	
Date of the event: 3/28/2018	Description: Foot and Mouth Disease (FMD) was confirmed in various animal species in Mu Cang Chai, Vietnam. The following is the information provided about the affected animal population: 66 buffaloes, 91 cows and 13 infected pigs.
Location: Vietnam; Mu Cang Chai	
Disease type: FMD	
Species affected: Swine, Buffalo, Cows	
Significance score: 1.00*	
	Reporting source: <a href="#">Yen Bai Department of Animal Husbandry and Animal Health</a>
<b>Event #5</b>	
Date of the event: 3/22/2018	Description: Foot and Mouth Disease (FMD) was confirmed in swine and cattle in various areas of China including Guangxi Zhuangzu Zizhiqu, Xinjiang Uygur Zizhiqu, Linxia. The following is the information provided about the affected swine population: 51 at-risk, 15 cases, 0 deaths, 51 destroyed, and 0 slaughtered. The following is the information provided about the affected cattle population: 76 at-risk, 8 cases, 0 deaths, 76 destroyed, and 0 slaughtered.
Location: China; Various	
Disease type: FMD	
Species affected: Swine and cattle	
Significance score: 1.00*	
	Reporting source: <a href="#">OIE</a> , <a href="#">EMPRES-i</a>
<b>Event #6</b>	
Date of the event: 2/10/2018	Description: African Swine Fever (ASF) was confirmed in wild boar and swine in various areas of Russia including Kaliningradskaya Oblast, Vladimirskaya Oblast, and Saratovskaya Oblast. The following is the information provided about the affected animal population: 0 at-risk, 7 cases, 5 deaths, 7 destroyed, and 0 slaughtered. Foot and Mouth Disease (FMD) was confirmed in swine, cattle, and small ruminants in the Chitinskaya Oblast area of Russia. The following is the information provided about the affected swine population: 7 at-risk, 0 cases, 0 deaths, 0 destroyed, and 0 slaughtered. The following is the information provided about the affected cattle population: 256 at-risk, 67 cases, 0 deaths, 76 destroyed, and 0 slaughtered. The following is the information provided about the affected small ruminant population: 377 at-risk, 0 cases, 0 deaths, 0 destroyed, and 0 slaughtered.
Location: Russia; Various	
Disease type: FMD, ASF	
Species affected: Wild boar, swine, cattle, small ruminant	
Significance score: 1.00*	
	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #7</b>	
Date of the event: 4/11/2018	Description: African Swine Fever (ASF) was confirmed in wild boar in Jihomoravsky, Czech Republic. The following is the information provided about the affected animal population: 0 at-risk, 3 cases, 3 deaths, 0 destroyed, and 0 slaughtered.
Location: Czech Republic; Jihomoravsky	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 1.00*	
	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #8</b>	
	Description: Foot and Mouth Disease (FMD) was confirmed in cattle in Kibbutz Gazit, Israel. The following is the

Date of the event: 4/2/2018	information provided about the affected cattle population: 218 at-risk, 50 cases, 0 deaths, 0 destroyed, and 0 slaughtered.
Location: Israel; Kibbutz Gazit	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	
<b>Event #9</b>	Description: Foot and Mouth Disease (FMD) was confirmed in 15 outbreaks in cattle, goats, and sheep in various areas of Mongolia including Govisumber, Umnugovi, Sukhbaatar, Dundgovi, Dornogovi, Dornod, and Khentii. The following is the information provided about the affected cattle population: 0 at-risk, 821 cases, 0 deaths, 821 destroyed, and 0 slaughtered. The following is the information provided about the affected goats population: 0 at-risk, 462 cases, 0 deaths, 462 destroyed, and 0 slaughtered. The following is the information provided about the affected sheep population: 0 at-risk, 417 cases, 0 deaths, 417 destroyed, and 0 slaughtered.
Date of the event: 1/28/2018	
Location: Mongolia; Various	
Disease type: FMD	
Species affected: Cattle, goats, and sheep	
Significance score: 1.00*	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #10</b>	Description: African Swine Fever (ASF) was confirmed in wild boar and swine in several areas of the Ukraine including Kyyyiv'ska, Odes'ka, Vinnyts'ka, Cherkas'ka, Mykolayivs'ka, and Zhytomyrs'ka. The following is the information provided about the affected animal population: 88 at-risk, 17 cases, 14 deaths, 75 destroyed, and 0 slaughtered.
Date of the event: 3/12/2018	
Location: Ukraine; Various	
Disease type: ASF	
Species affected: Wild boar, swine	
Significance score: 1.00*	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #11</b>	Description: African Swine Fever (ASF) was confirmed in swine in several areas of the Cote D'Ivoire including Dagba, Koro, Napio, and Kanoroba. The following is the information provided about the affected animal population: 100 at-risk, 30 cases, 30 deaths, 0 destroyed, and 0 slaughtered.
Date of the event: 2/27/2018	
Location: Cote D'Ivoire; Various	
Disease type: ASF	
Species affected: Swine	
Significance score: 1.00*	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #12</b>	Description: Foot and Mouth Disease (FMD) was confirmed in cattle several areas of the Democratic Republic of the Congo including Secteur 5, Karava Sud, Kavunge, Kahororo, and Kaholwa. The following is the information provided about the affected cattle population: 3813 at-risk, 428 cases, 7 deaths, 0 destroyed, and 0 slaughtered.
Date of the event: 5/25/2017	
Location: Democratic Republic of the Congo; Various	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #13</b>	Description: Foot and Mouth Disease (FMD) was confirmed in cattle two areas of the Zambia including Chibombo and Chisamba Camp. The following is the information provided about the affected cattle population: 11000 at-risk, 113 cases, 0 deaths, 0 destroyed, and 0 slaughtered.
Date of the event: 3/23/2018	
Location: Zambia; Various	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">EMPRES-i</a>
<b>Event #14</b>	Description: Foot and Mouth Disease (FMD) was confirmed in 15 cattle in Colombia. The cattle were imported from Venezuela and tested positive for FMD in Colombia. The cattle were subsequently destroyed in Colombia.
Date of the event: 4/11/2018	
Location: Colombia	
Disease type: FMD	
Species affected: Cattle	
Significance score: 1.00*	Reporting source: <a href="#">Colombian Agricultural Institute (ICA)</a>
<b>Event #15</b>	Description: Based on the information available at the moment the most likely source of the infection is food waste, introduced by foreign citizens working in large numbers in industrial facilities located in this area. The detailed epidemiological investigation is ongoing.
Date of the event: 4/11/2018	
Location: Hungary; Heves; Gyongyos	
Disease type: ASF	
Species affected: Wild boar	
Significance score: 2.00*	Reporting source: <a href="#">OIE</a>
* <b>Significance score:</b> 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).