



An Roinn Talmhaíochta,
Bia agus Mara
Department of Agriculture,
Food and the Marine

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AFRICAN SWINE FEVER UPDATE

National Disease Control Centre
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African Swine Fever found in two previously unaffected regions of the EU

- In the past week, African swine fever (ASF) has been confirmed in **two previously unaffected** regions of Germany and Italy.
- **Germany** confirmed an outbreak of African Swine Fever (ASF) on a **domestic pig farm** in the district Baden-Württemberg on 25th May 2022. This outbreak is located in the south-west of Germany near the border with France, **over 500 km from other cases of ASF** in the north-east of Germany. (Figure 1).
- **Italy** confirmed a case of ASF in a wild boar near Rieti in Lazio, this is approximately **100 km from other cases** in the municipality of Rome.
- The German authorities consider that a **human factor** may have been involved in transmitting ASF to pigs in the outbreak in Baden-Württemberg, highlighting the importance of appropriate **biosecurity measures** to prevent the spread of disease.
- An epidemiological investigation has been initiated by the German authorities, which includes a search for carcasses of wild boar in the area.
- Humans can transmit ASF to pigs through feeding of **food waste** contaminated with ASF to pigs, or through bringing **clothing, footwear, vehicles and equipment contaminated** with ASF onto a pig farm.
- There has been no movement of live pigs into Ireland from Germany and Italy in the past six months

Figure 1: Location of African swine fever case in wild boar in Lazio, Italy (left) and outbreak in domestic pigs in Baden-Wuerttemberg, Germany (Right) (Source: Animal Disease Information System (ADIS))



Diseases don't respect borders

Risk to Ireland

- **ASF continues to spread** into new regions such as mainland Italy and south-west Germany
- **Humans** can play an important role in **spreading ASF** to new regions
- **Travellers coming back from ASF affected regions** must be **vigilant** to avoid inadvertently bringing back to Ireland ASF contaminated meat, meat products, clothing, footwear, vehicles, equipment, etc.
- **Food waste infected with the ASF virus** being consumed by pigs represents the **most significant risk pathway** for a disease incursion into Ireland
- Other risk factors **include clothing, footwear, vehicles and equipment contaminated** with the ASF virus
- **Wild boar and feral pigs** play an important role in the spread of the disease worldwide
- Ireland does not have a sustainable wild boar or feral pig population
- EU legislation (Article 15 of Commission Delegated Regulation 2021/605) prohibits the trade of wild boar between EU Member States and implements control measures on the movement of live pigs within ASF affected areas of the EU which is a risk factor for the introduction of the disease

Advice for Travellers

- The **ASF virus can survive for several months** in pork and pork products such as sausages, cured meats, smoked meats (meat/meat products can also carry other animal diseases such as Foot & Mouth Disease)
- **Do not bring meat products into Ireland** from outside the EU, and never bring home pork or pork products if travelling abroad to regions affected by ASF
- **Do not bring meat or meat products onto Irish pig farms**
- Always use a **secure bin to dispose of waste food**, so that it cannot be accessed by farm animals, wild animals, or wild birds

Advice for Pig Owners



NEVER FEED FOOD WASTE TO PIGS

- **Food waste (swill) including kitchen waste and catering waste must be disposed of carefully** away from livestock. Bins must be located in a secure location and sealed to ensure that vermin, birds or other animals do not carry food waste into areas where pigs are kept
- Pig owners in Ireland are advised to implement **biosecurity measures** to mitigate the risk of an outbreak of the disease in this country such as establishing disinfectant points and implementing a **pig-free period of 72 hours for anyone coming from an ASF affected region** to prevent the risk of contaminated clothing, footwear, vehicles or equipment coming into contact with pigs
- **Vigilance for any unexplained disease patterns** or unusual presentations of disease should be maintained. Any suspicions of ASF must be reported to your [Regional Veterinary Office](#) during normal office hours or the National Disease Emergency Hotline at 01 4928026 (outside of normal office hours) without delay
- A dedicated page of useful information including clinical signs of ASF and biosecurity information is available at www.gov.ie/asf

Rest of Europe – Current Situation

- Since ASF first entered Lithuania in 2014, a total of 13 EU Member States have been affected by the disease. Czech Republic and Belgium are the only two Member States who have successfully eradicated ASF from the wild boar population. Greece confirmed outbreaks in domestic pigs only in 2020 and was successful in preventing further spread of the disease.
- In 2022 (up to the 26th May), 181 ASF outbreaks in domestic pigs and 3,764 ASF events in wild boar were reported by **10 EU Member States** and **several other Eastern European countries** to the European Commission's Animal Disease Information System (Table 1)
- In 2022, the EU Member States of **Bulgaria, Estonia, Germany, Hungary, Italy, Latvia, Lithuania, Poland, Romania, and Slovakia** have reported ASF. It has also been reported in **Moldova, Republic of North Macedonia, Serbia and Ukraine** (Figure 2)
- In January 2022, Italy reported a case of ASF in wild boar on the mainland for the first time in the Piedmonte region. ASF has been endemic on Sardinia since 1978 however it had never previously been reported on the mainland. In May 2022, ASF was reported in the municipality of Rome, several hundred kilometres away from the Piedmonte region. In late May, Italy reported a case in wild boar in Rieti (Lazio), approximately 100 km from the nearest cases in the municipality of Rome.

- During 2021, 1,874 ASF outbreaks in domestic pigs and 12,147 ASF events involving wild boar were reported by 10 EU Member States (Bulgaria, Estonia, Germany, Hungary, Italy (Sardinia), Latvia, Lithuania, Poland, Romania, Slovakia) and other Eastern European countries (Moldova, Ukraine and Serbia) to the European Commission's Animal Disease Information System (ADIS)
- The EU has legislation in place to prevent the spread of ASF within and between Member States through the implementation of control measures on the movement of pigs and pig products and prohibits the movement of wild boar between Member States (Commission Implementing Decision 2021/605)
- ASF outbreaks in the EU must be reported to the European Commission. Member States must implement control measures for outbreaks in domestic pigs to prevent further spread, as per Commission Delegated Regulation 2020/687.

Figure. 2. ASF disease events in **wild boar in red** and outbreaks in **domestic pigs in blue** during 2022 (1st January to 27th May 2022) (Source: ADIS).

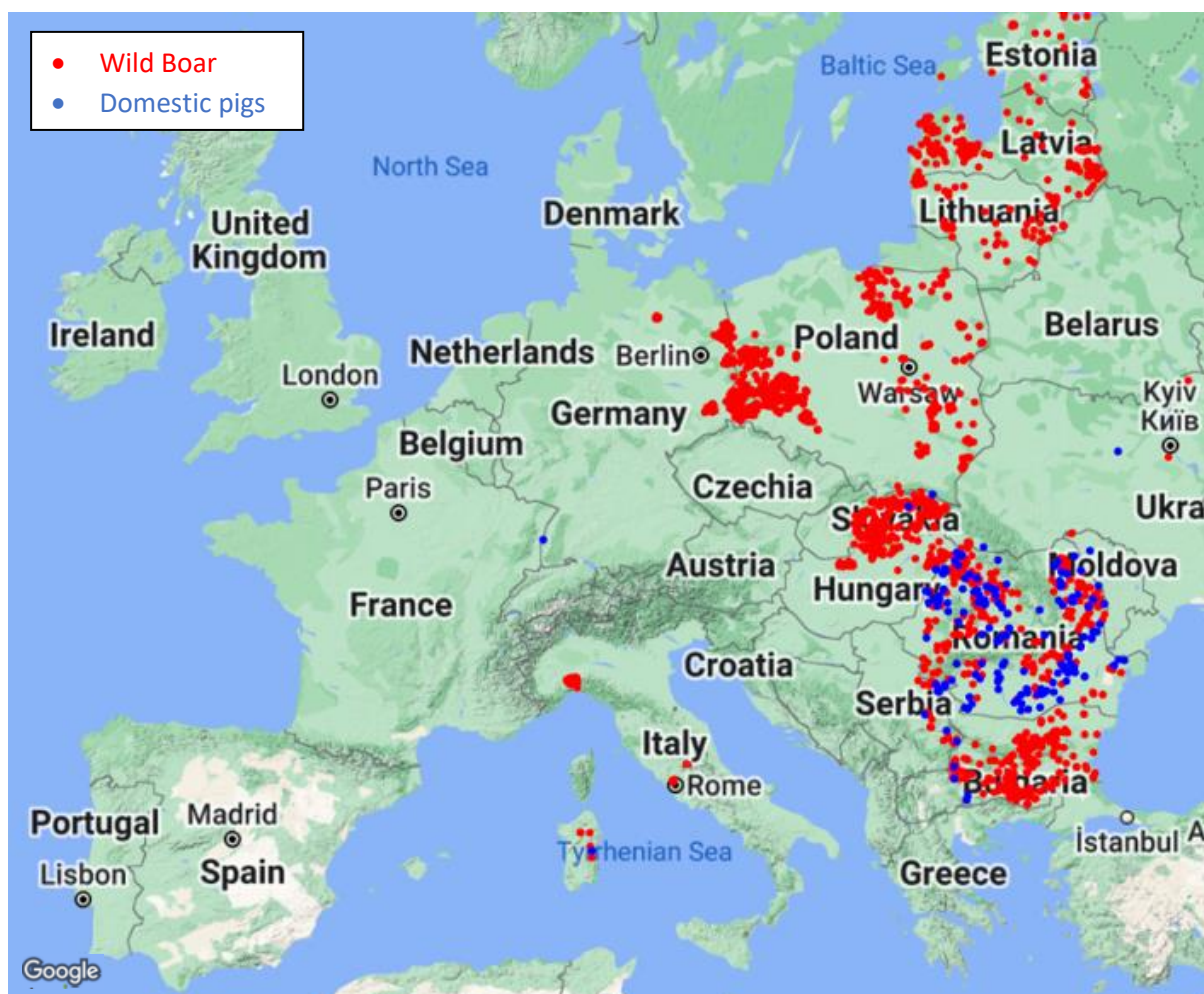


Table 1: African swine fever outbreaks and events in Europe during 2022 (up to 30th May 2022) (Source: ADIS)				
Country	Date of most recent outbreak in domestic pigs	No. of ASF outbreaks in domestic pigs	Date of most recent case in wild boar	No. of ASF wild boar events (involving 1 or more animals)
Bulgaria	30/3/2022	3	12/05/2022	235
Estonia	n/a	n/a	14/04/2022	27
Rep. of North Macedonia	12/01/2022	1	14/04/2022	2
Germany	26/5/2022	1	27/05/2022	842
Hungary	n/a	n/a	05/05/2022	334
Italy	26/05/2022	2	27/05/2022	150
Latvia	n/a	n/a	27/05/2022	237
Lithuania	n/a	n/a	26/05/2022	116
Moldova	26/05/2022	3	25/02/2022	2
Poland	n/a	n/a	27/05/2022	1,150
Romania	23/05/2022	157	20/05/2022	309
Serbia	10/02/2022	11	10/02/2022	32
Slovakia	16/05/2022	2	25/05/2022	326
Ukraine	09/02/2022	1	02/02/2022	2
Total		181		3,764

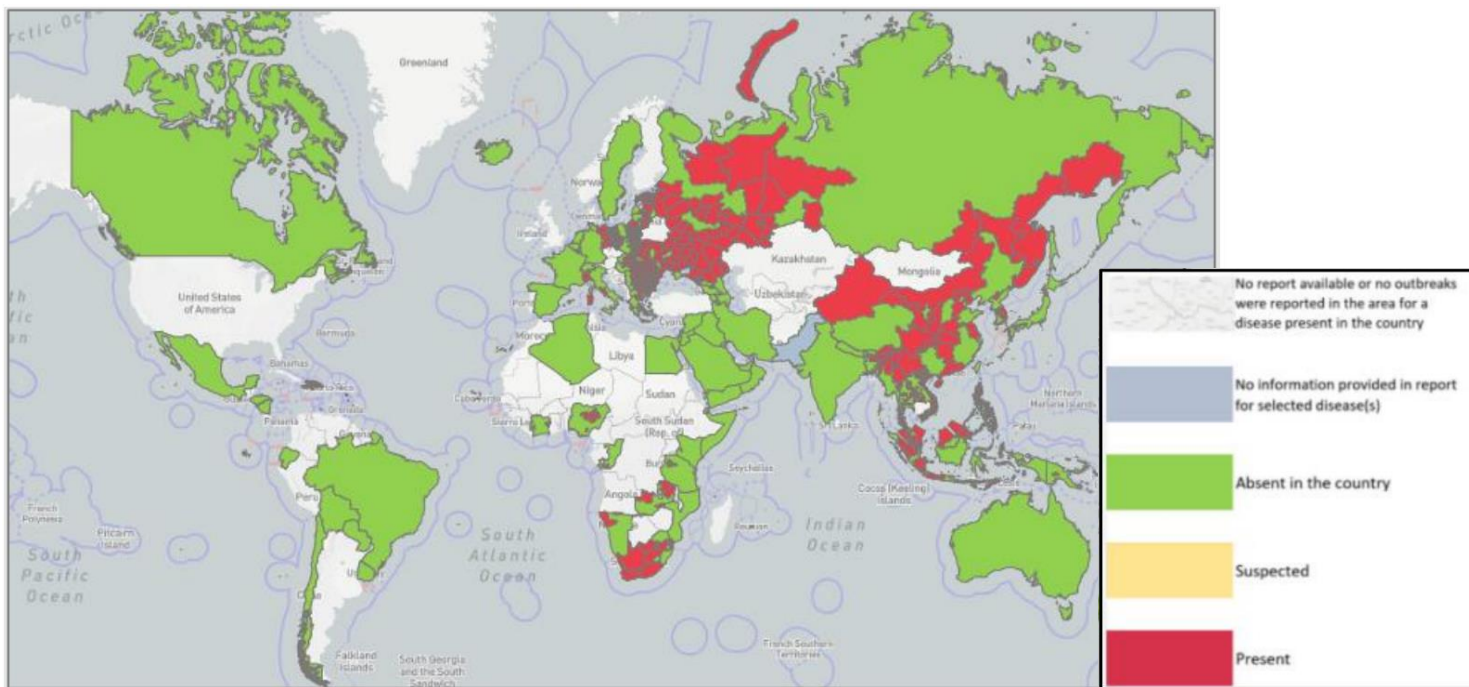
Current Situation - Worldwide

- The World Organisation for Animal Health (OIE), Food and Agriculture Organisation of the United Nations (FAO) have been promoting the control of ASF for several years and developed a five - year global initiative in 2020 to control ASF which can now be found on four continents – Europe, Asia, Americas and Africa. The initiative established [a Global Framework for the Progressive Control of Transboundary Animal Diseases \(GF-TADs\)](#) as a platform to develop and promote national, regional and global partnerships and to strengthen disease preparedness measures in an effort to control the disease and prevent further spread.

Americas

- ASF was confirmed during 2021 in both the Dominican Republic and in Haiti, which share a land border. It is understood that cases of ASF are still occurring on the island.
- This is the first confirmation of ASF in the Americas since an outbreak in Haiti in 1982

Figure 4. Global distribution of ASF. Since 2005 ASF has been reported in 73 countries (Source: [OIE](#)).



Asia & Pacific

- Since ASF first entered China in August 2018, ASF has been confirmed in a total of 16 countries including Mongolia, Vietnam, Cambodia, Democratic People's Republic of Korea (North Korea), Laos, Myanmar, Philippines, Republic of Korea (South Korea), Timor-Leste, Indonesia, India, Malaysia, Bhutan and Thailand (Figure 3)
- In January 2022, Thailand reported its first case of ASF; a further 86 outbreaks in 31 provinces have been reported since
- More than 60% of the world's domestic pig population is located in East and Southeast Asia.

Figure 3. ASF situation in Asia during the period 3rd March to 12th May 2022 (Source: [FAO](#))



Africa

- Historically, the disease was first described in East Africa in the 1920s. Since 2005 the disease has been reported in 32 African countries and is endemic in sub-Saharan Africa. All known genotypes of the ASF virus are believed to be present on the continent. At the time of the entry of Genotype II into Georgia in 2007, it was thought to be present in Mozambique, Madagascar, Malawi, Zambia, Zimbabwe and Southern Tanzania.
- In 2021, South Africa reported 39 cases of ASF to the OIE which included 4 immediate notifications of outbreaks in previously uninfected areas of the country. ASF sequencing by South African Onderstepoort Veterinary Research Transboundary Animal Diseases laboratory has identified that both Genotype I and II are active

Further Information

Further biosecurity advice, ASF videos, posters and disease updates can be found at:

www.gov.ie/asf

[African swine fever \(europa.eu\)](http://African swine fever (europa.eu))

[World Organisation for Animal Health \(formerly OIE\)](http://World Organisation for Animal Health (formerly OIE))

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