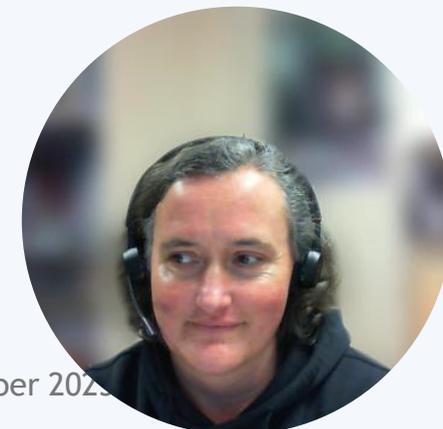
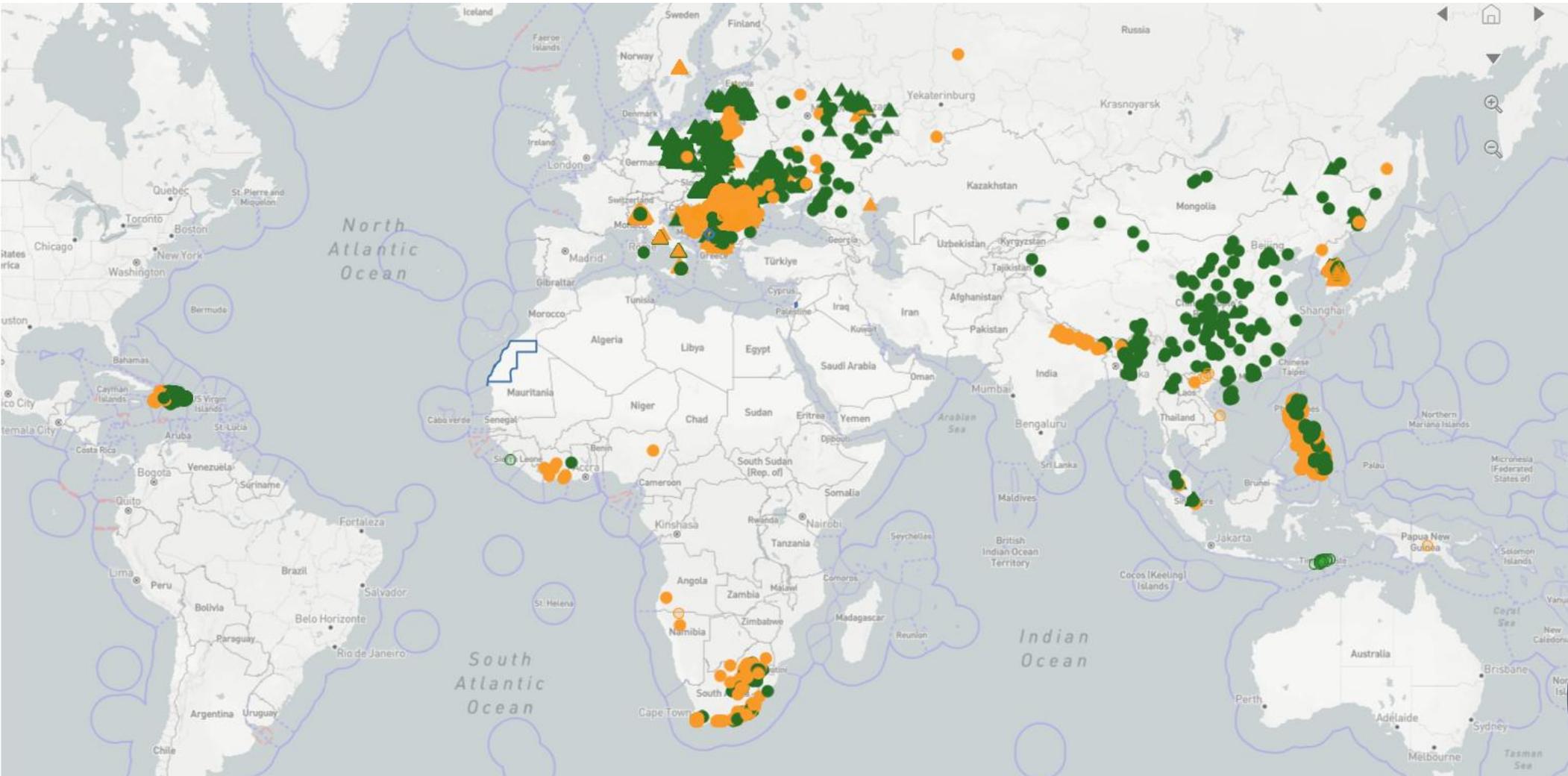


African Swine Fever and other notifiable pig diseases in the EU and worldwide: current situation and future perspectives

Sandra Blome



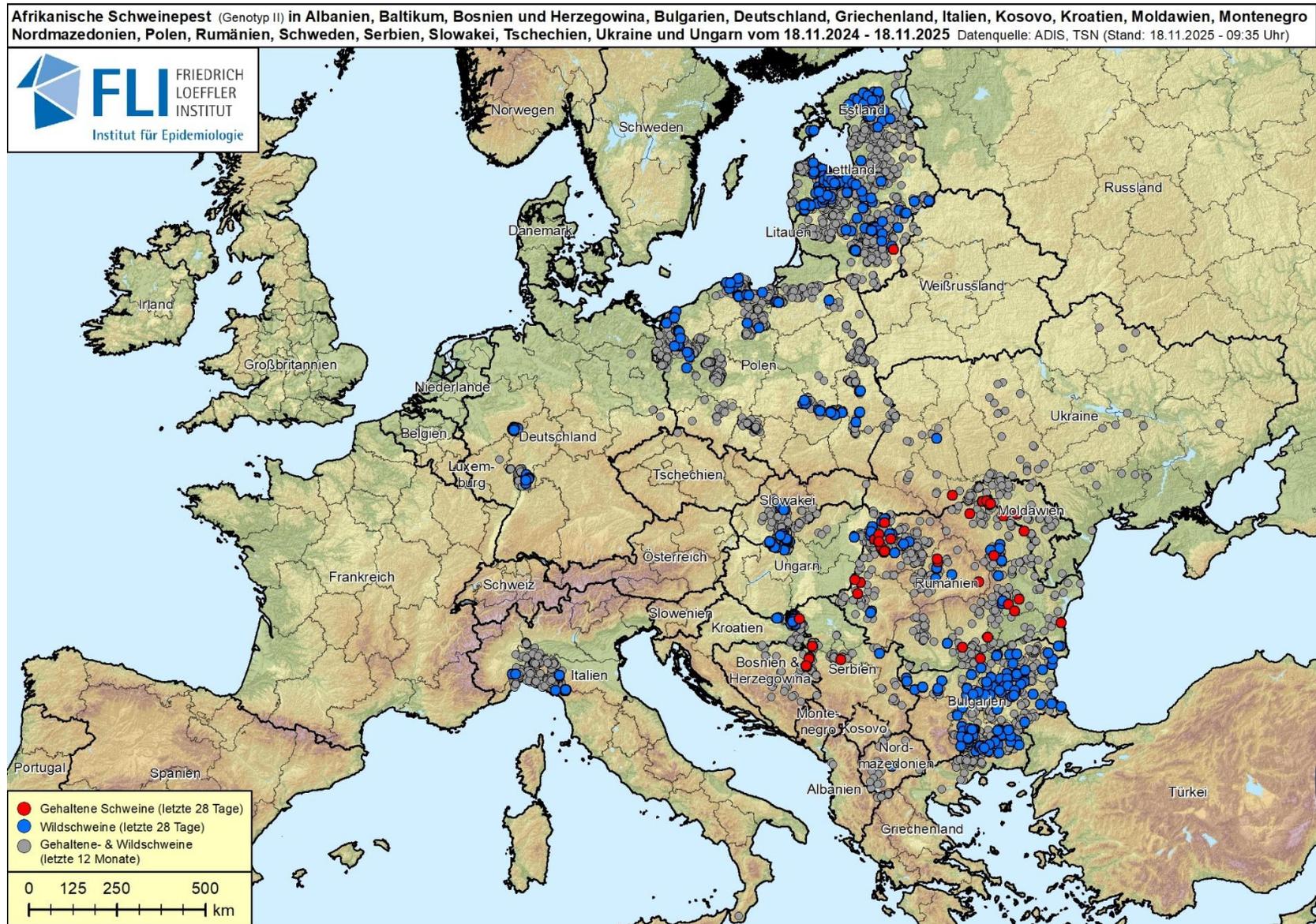
African swine fever - the forgotten pandemic



- Domestic
- ▲ Wild
- Mixed
- Resolved
- Continuing
- Cluster



Current ASF situation in Europe



ASF in new areas

Home / News

Agriculture Ministry | animal industry | African swine fever

Taiwan confirms first case of African swine fever

22/10/2025 16:45 | Editor: Iris Hsu



A pig carcass from a Taichung pig farm tested positive for African swine fever nucleic acid, and the Ministry of Agriculture has classified it as a suspected case. On October 22, disease control personnel were dispatched to the farm to carry out disinfection operations. (Photo: CNA)

ASF: Widespread outbreaks continue

From January 2024 to May 2025, African swine fever was reported in 51 countries

18 August 2025 | 1 minute read | By: Chris Wright

African swine fever (ASF) has expanded its geographical range significantly, making control and eradication increasingly challenging. Despite these obstacles, global control of ASF remains possible with sustained efforts and international cooperation, according to [World Organization for Animal Health \(WOAH\) report titled: *The State of the World's Animal Health*](#).

From 1 January 2024 to 25 May 2025, the WOAH received reports from 51 countries and territories, reporting a total of 14,918 outbreaks (3,678 in domestic pigs and 11,240 in wildlife).

These outbreaks resulted in 386,089 reported cases, with 605,225 animal losses in domestic pigs. The geographical distribution of the outbreaks in 2024 and early 2025 highlights the expansion of the disease across borders.

New country outbreaks

Notably, three countries reported the first occurrence of ASF during 2024: Montenegro in January, Albania in February, and Sri Lanka in October. The spread of ASF to Sri Lanka marked the most significant 'disease jump' of the year, covering a distance of more than 1,800 km from the nearest outbreaks.

Among the countries already affected, significant spread occurred in regions such as Bhutan, Cambodia, and the Philippines, which reported outbreaks in 2024. The Philippines reported the highest number of outbreaks. The disease also poses a serious threat to biodiversity, with ASF detected in the Visayan waterbirds, which are endangered species according to the International Union for Conservation of Nature.



Most recent outbreak

The Brussels Times

BELGIUM BUSINESS ART & CULTURE EU AFFAIRS WORLD BE

First case of deadly livestock swine fever disease in Spain in over 30 years

Sunday 30 November 2025

By The Brussels Times Newsroom



This image shows a local police warning sign reading "African Swine Fever Surveillance Zone" posted on a pole at the entrance of the Collserola natural park, near Barcelona, after two wild boars infected with African Swine Fever (ASF) were found dead in the park on November 29, 2025. Credit: AFP

Spain's confirmed swine fever cases rise to nine

Story by Reuters • 50m • 1 min read

FINANCIAL TIMES

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Spain fights to protect pork industry from swine fever outbreak

One-third of exports from Europe's biggest pig meat producer have been blocked by foreign governments



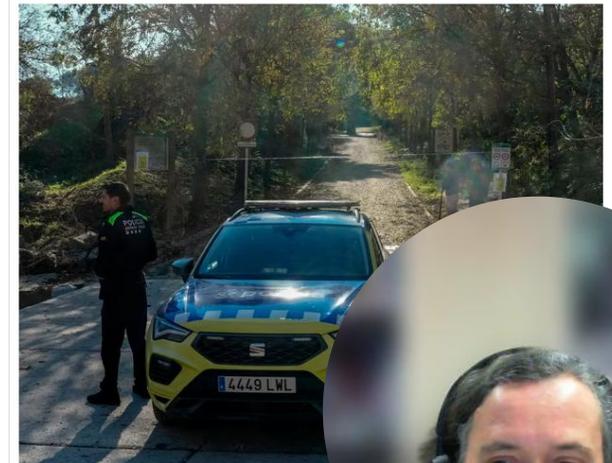
Spain exports nearly €9bn of pork meat and related products each year © John Keeble/Getty Images

Barney Jopson in Madrid and Giuliana Ricozzi in Rome

Published DEC 1 2025

14

Spanish swine fever outbreak may be linked to food eaten by boar, say officials
Hundreds of police, rangers and military personnel deployed to tackle virus threatening pork export industry



A police car blocks the entrance to the Natural Park of Collserola after the presence of swine fever in wild boar. Photograph: Enric



FLI

ASF in Germany as an example - how it started

10.09.2020: **First case of African swine fever in a wild boar in Germany**

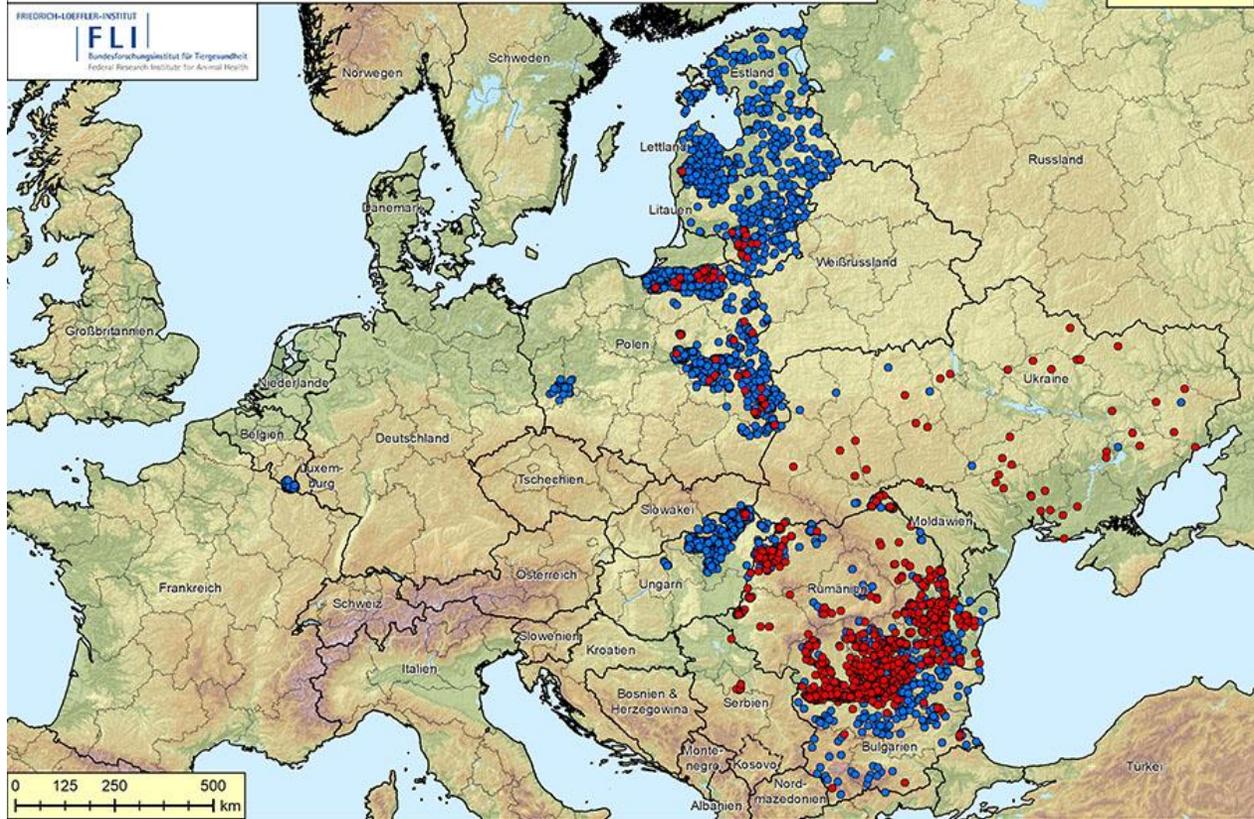
<https://www.bmel.de/DE/themen/tiere/tiergesundheit/tierseuchen/asp.html>:

A first ASF case had become known on 10 September in a wild boar found dead in the district of Spree-Neiße. Federal Minister Julia Klöckner informed about the first case on the same day, after the national reference laboratory, the Friedrich Loeffler Institute on the island of Riems, had confirmed a corresponding finding from the Landeslabor Berlin-Brandenburg.

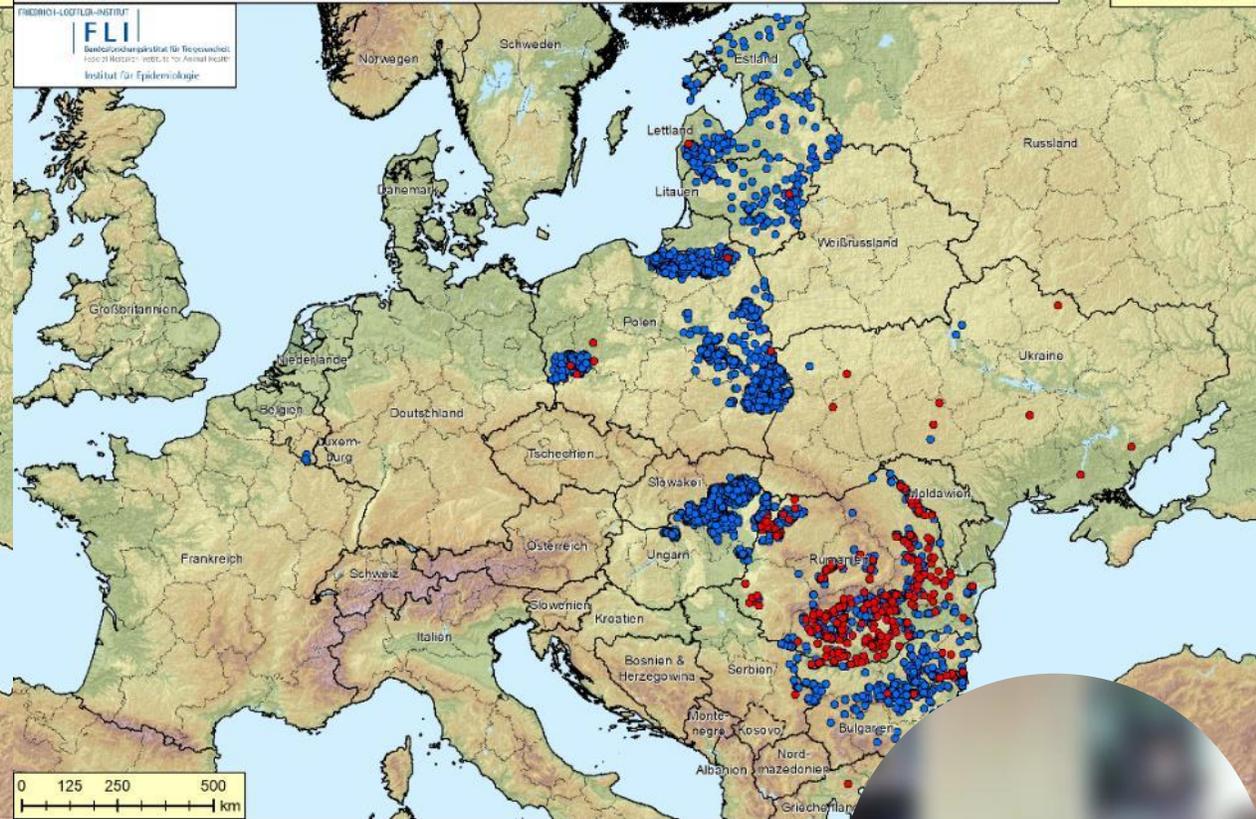


We could have known...

Afrikanische Schweinepest im Baltikum, Belgien, Bulgarien, Polen, Rumänien, Serbien, Slowakei, Ungarn und Ukraine 2019 Datenquelle: ADNS (Stand: 17.12.2019 - 08:25 Uhr)



Afrikanische Schweinepest im Baltikum, Belgien, Bulgarien, Griechenland, Moldawien, Polen, Rumänien, Serbien, Slowakei, Ungarn und Ukraine 2020 Datenquelle: ADNS (Stand: 07.07.2020 - 09:05 Uhr)



Measures in the core area

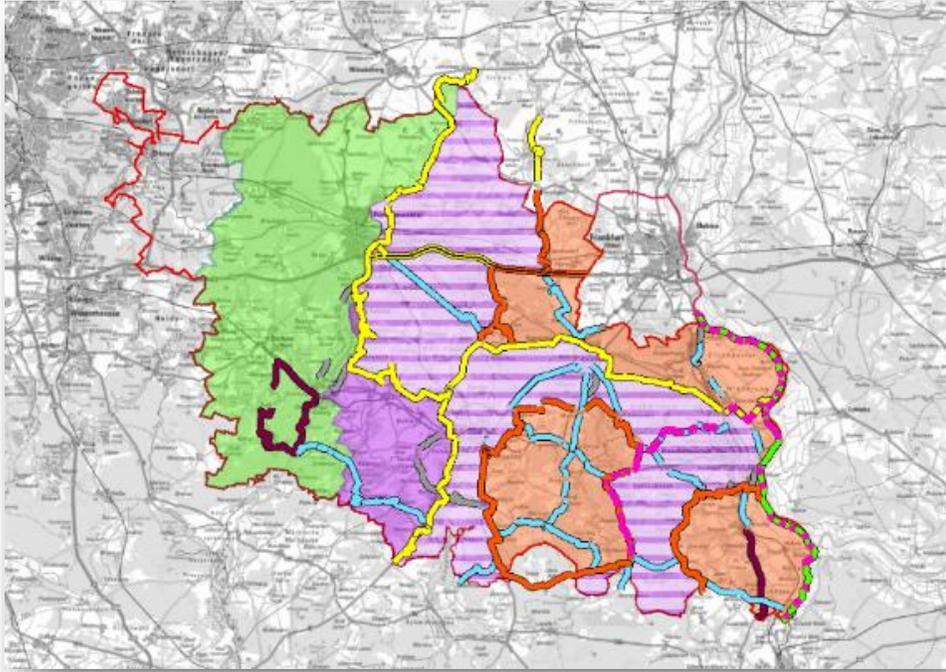
- Restriction of vehicle traffic
- **Fencing**
- Prohibition to enter forest and open landscape

Measures in the infected zone

- **Hunting ban** for all animal species
- **Intensive search for carcasses**
- Sampling and laboratory investigation
- "Pig census"
- Dead and feverishly ill pigs must be immediately examined for African swine fever
- Use of agricultural and forestry areas is temporarily prohibited
- Dogs must be kept on a leash
- Implementation of swine fever ordinance



Brandenburg



Strategy:

- Intensive carcass search with people, drones and dogs
- Fences for demarcation and compartmentalisation
- Trap-catching
- After completion of the fence construction: Culling (no “classical” hunt!)



Source of pictures: District, MOZ, MDR, pigbrig

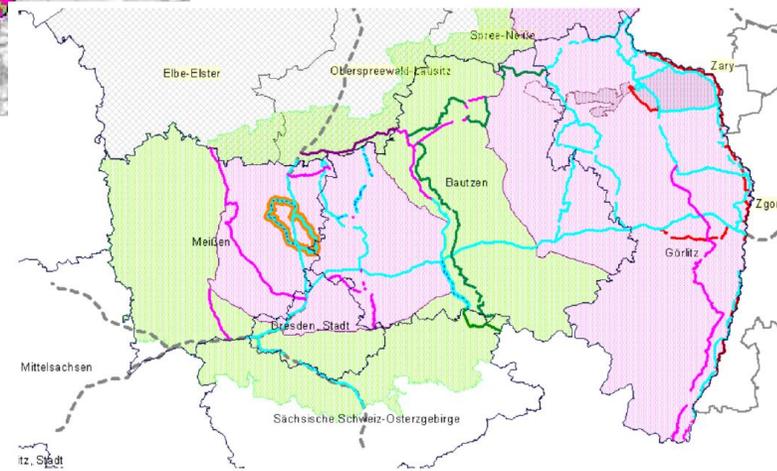
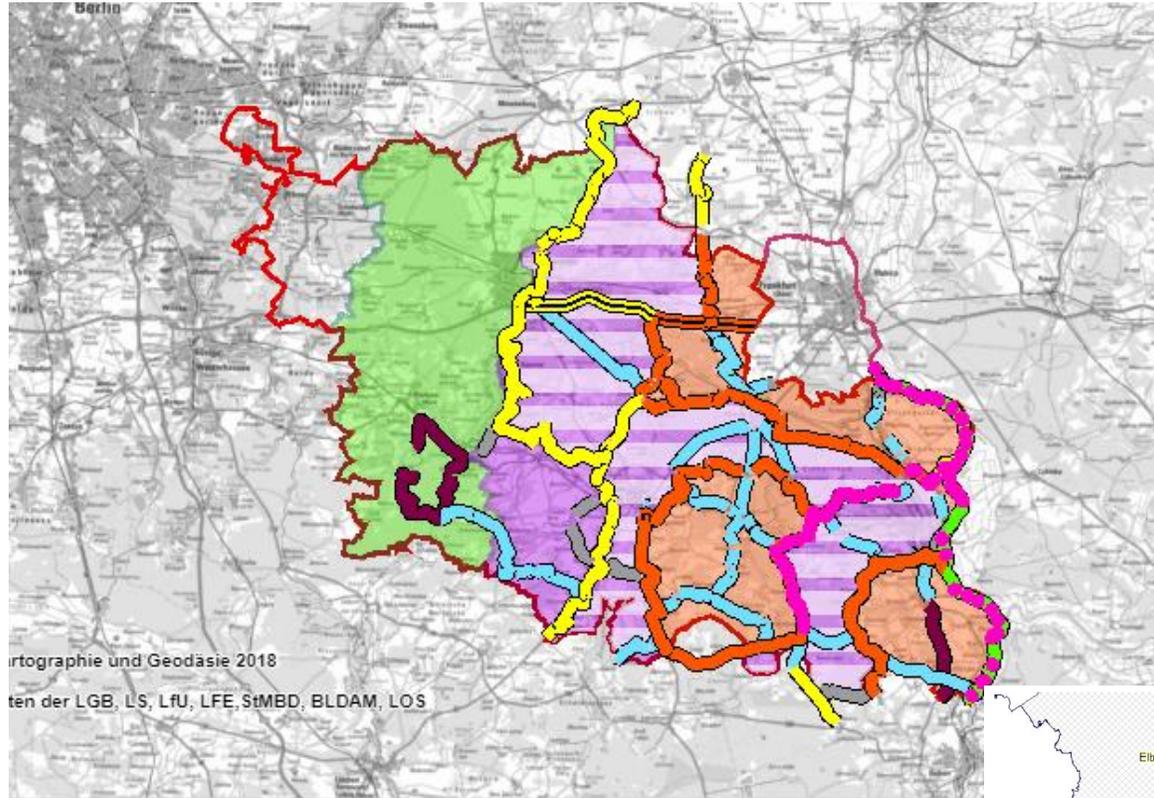


Effective but often less accepted concepts



Pictures: E. Gleich and C. Gremse

Rational fencing and zoning



Fences Myths and Facts



European Commission



MSGIV Brandenburg



Berlin



agri-food products



MOZ



rbb24

Fences are **a** means of disease control (slow spreading, fragment area)!
Fences are not an universal remedy and must be combined with other methods!



Use all technical devices that are available



Harvest of corn: notify and search with drones

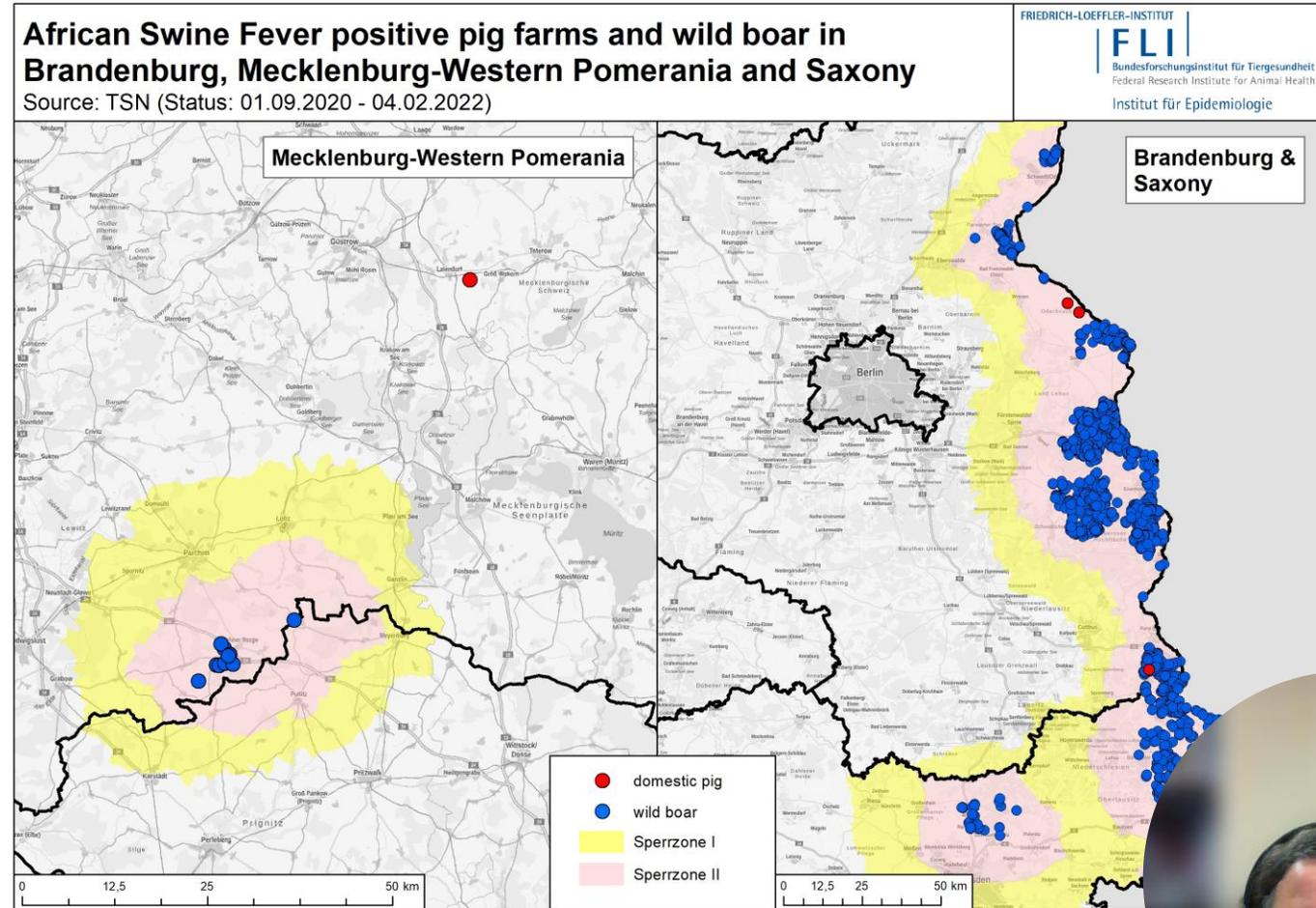
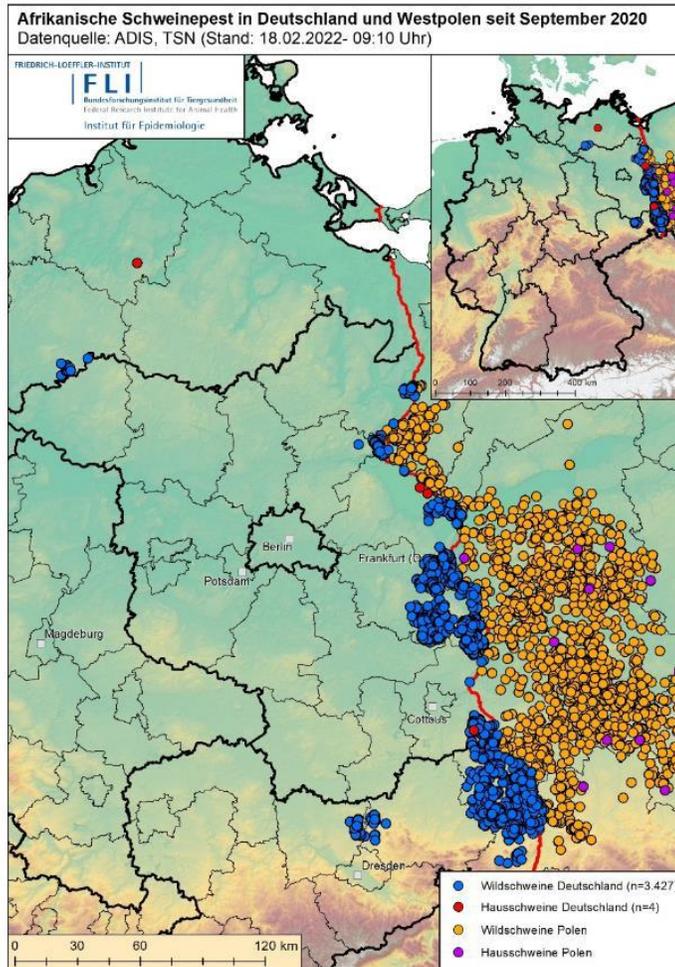
Source: P. Senger, LOS district



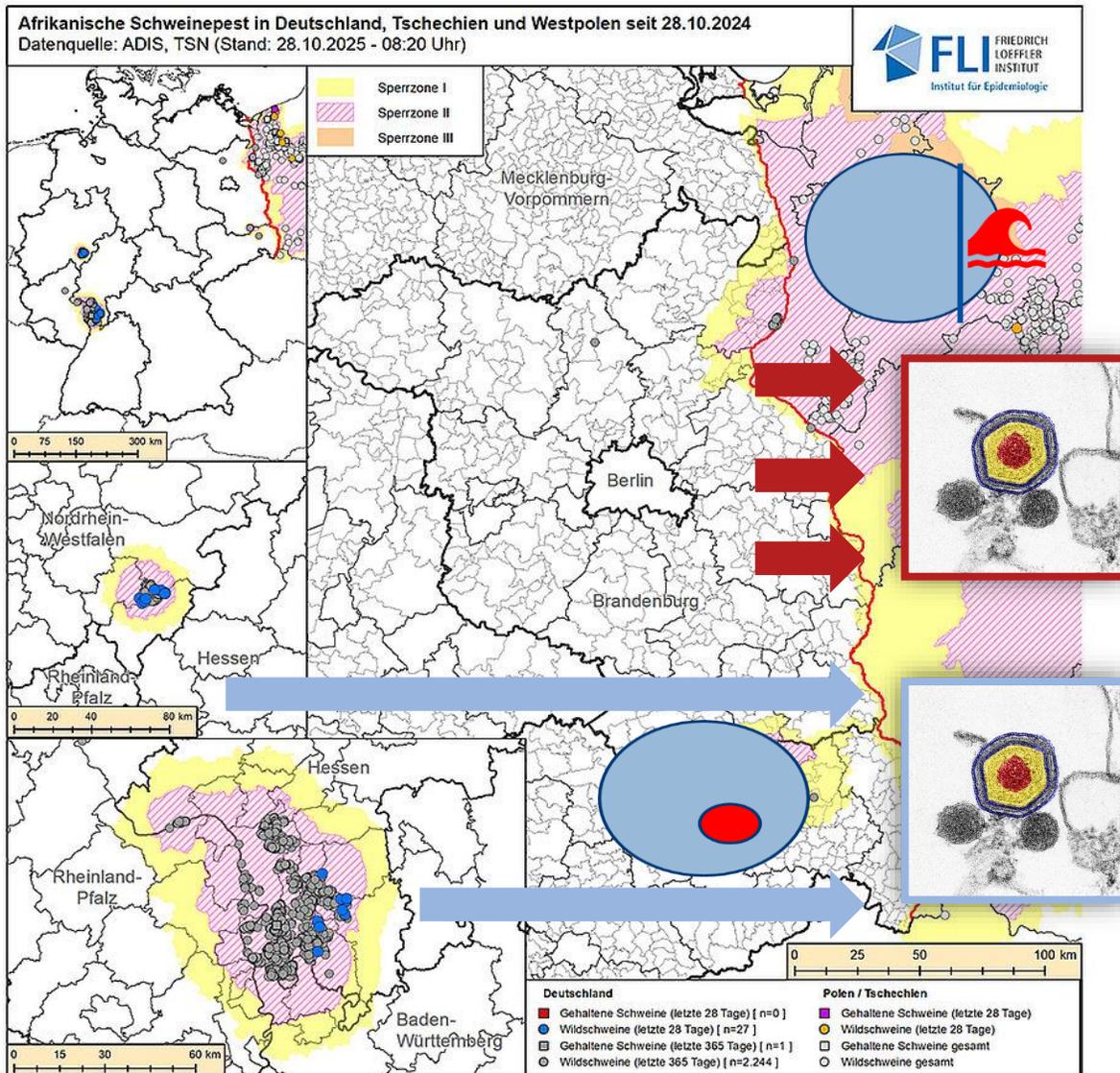
<https://www.sms.sachsen.de/aktuelles-6610.html#a-6624>



Situation in 2022



Variants on the rise



ASFV strains from Brandenburg, Saxony, and Mecklenburg-Western Pomerania (also Lower Saxony)

- Front introduction
- NGS revealed remarkable variability
- Local clusters with 5 lineages and a total of 10 variants
- Similar viruses have been described in Poland
- All strains share a mutation in the O174L gene
- This gene encodes Polymerase X
- Local variants were frequently detected during outbreaks in domestic pig herds
- For the first time, genetic epidemiology is now possible

ASFV strains from Hesse, Rhineland-Palatinate, Baden-Württemberg (also in 2022), and North-Rhine Westfalia

- No O174L mutation
- Similar viruses identified in Southeastern
- Point-source introduction of the virus
- All sequenced strains are very similar
- Tracking the outbreak is challenging

