



Update on ASF epidemiological situation at EU level

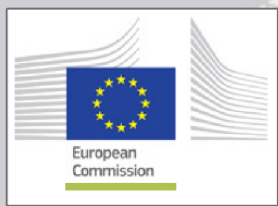
Animal Health
Advisory Committee

11 June 2024

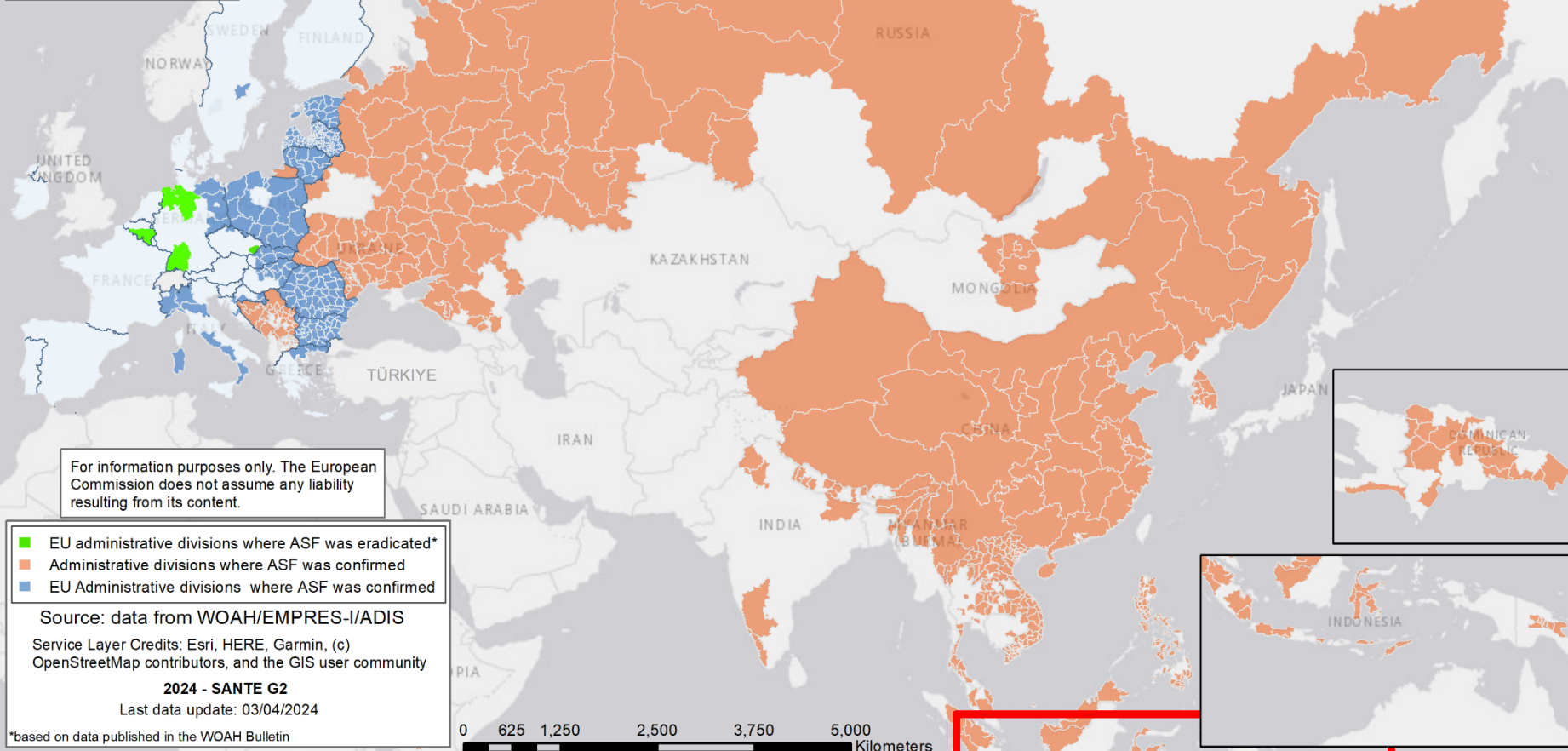
*Unit G2 – Animal Health
Directorate G
Crisis preparedness in food, animals and plants
DG SANTE, European Commission*

ASF in Asia, the Pacific and the Americas

April 2024



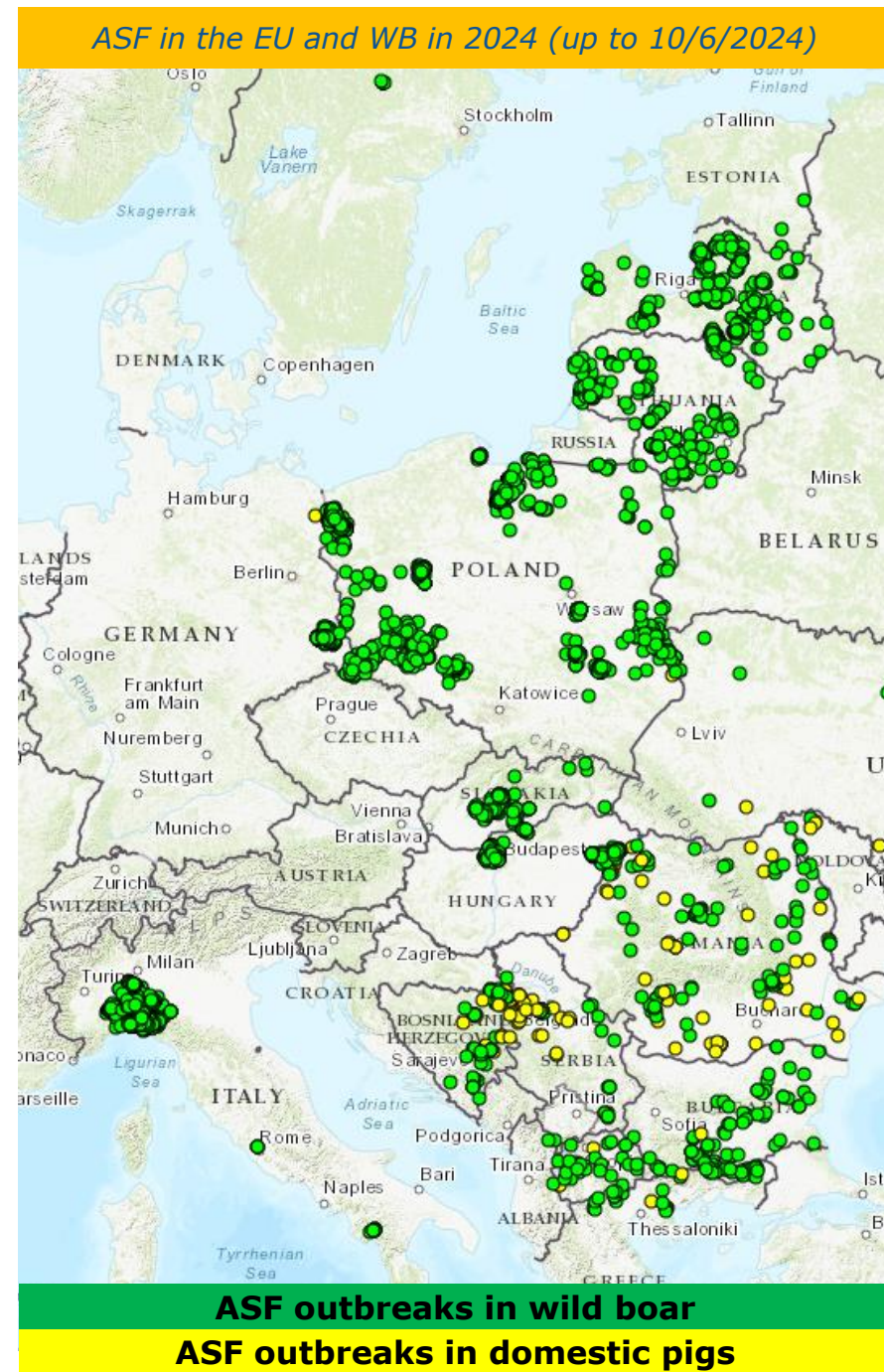
African swine fever by administrative divisions affected in 2013-2024 in Europe, Asia, Oceania and Americas



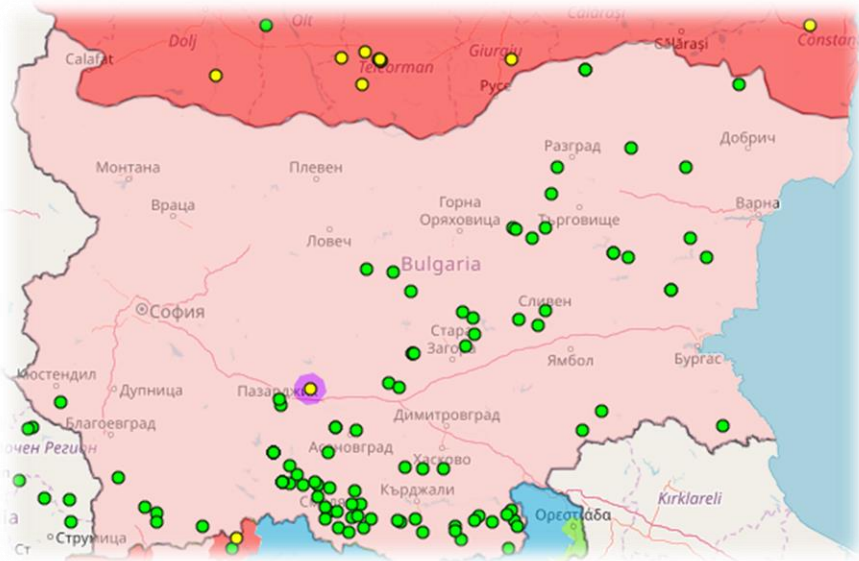
1. China (Aug 2018)
2. Mongolia (Jan 2019)
3. Vietnam (Feb 2019)
4. Cambodia (March 2019)
5. Hong Kong (May 2019)
6. Democratic People's Republic of Korea (May 2019)
7. Lao People's Democratic Republic (Jun 2019)
8. Myanmar (Aug 2019)
9. The Philippines (Jul 2019)
10. Republic of Korea (Sep 2019)
11. Timor-Leste (Sep 2019)
12. Indonesia (Nov 2019)
13. Papua New Guinea (Mar 2020)
14. India (May 2020)
15. Malaysia (Feb 2021)
16. Bhutan (May 2021)
17. Dominican Republic (July 2021).
18. Haiti (September 2021).
19. Thailand (January 2022).
20. Nepal (March 2022).
21. Singapore (February 2023).
22. Bangladesh (November 2023)

ASF in the EU in 2014-2024

No	MS	1 st ASF detection	Wild boar	Pigs	Remarks on the ASF situation
1.	LT	1/2014	+	+	mainly in wild boar;
2.	PL	1/2014	+	+	mainly in wild boar; 3 outbreaks in pigs in 2024
3.	LV	6/2014	+	+	mainly in wild boar;
4.	EE	7/2015	+	+	mainly in wild boar;
5.	CZ	6/2017	+		ASF eradicated in 2019 ; new cases in wild boar at the border with PL (since 12/2022)
6.	RO	7/2017	+	+	in wild boar; 55 outbreaks in pigs 2024
7.	HU	4/2018	+		in wild boar only
8.	BG	6/2018	+	+	mainly in wild boar; 1 outbreak in pigs in 2024
	BE	9/2018	+		free from ASF since 11/2020
9.	SK	7/2019	+	+	mainly in wild boar
10.	EL	2/2020	+	+	mainly in wild boar; 4 outbreaks in pigs in 2024
11.	DE	9/2020	+	+	mainly in wild boar; 1 outbreak in pigs in 2024
12.	IT	1/2022	+	+	mainly in wild boar;
13.	HR	6/2023	+	+	mainly in wild boar;
14.	SE	9/2023	+		In wild boar

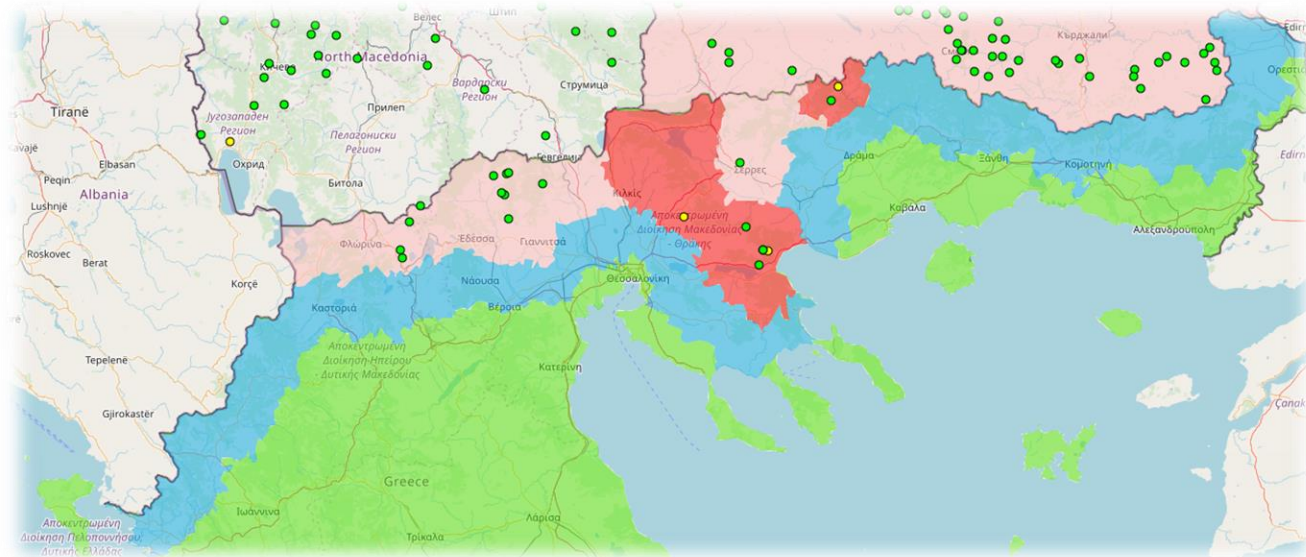


ASF in Bulgaria and Greece



Bulgaria: 1 outbreak in March in domestic pigs – high number outbreaks in wild boar (ELISA) at the border with Greece

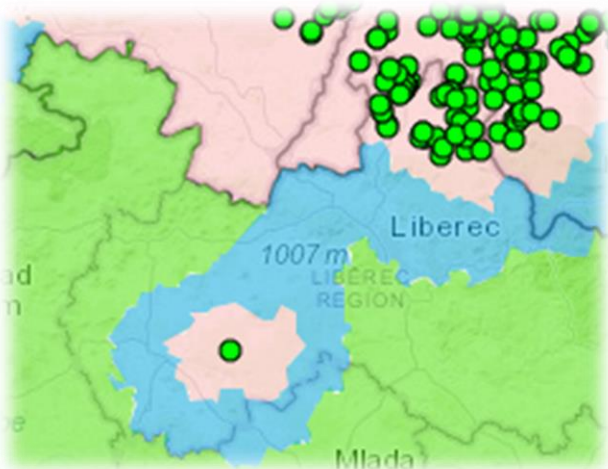
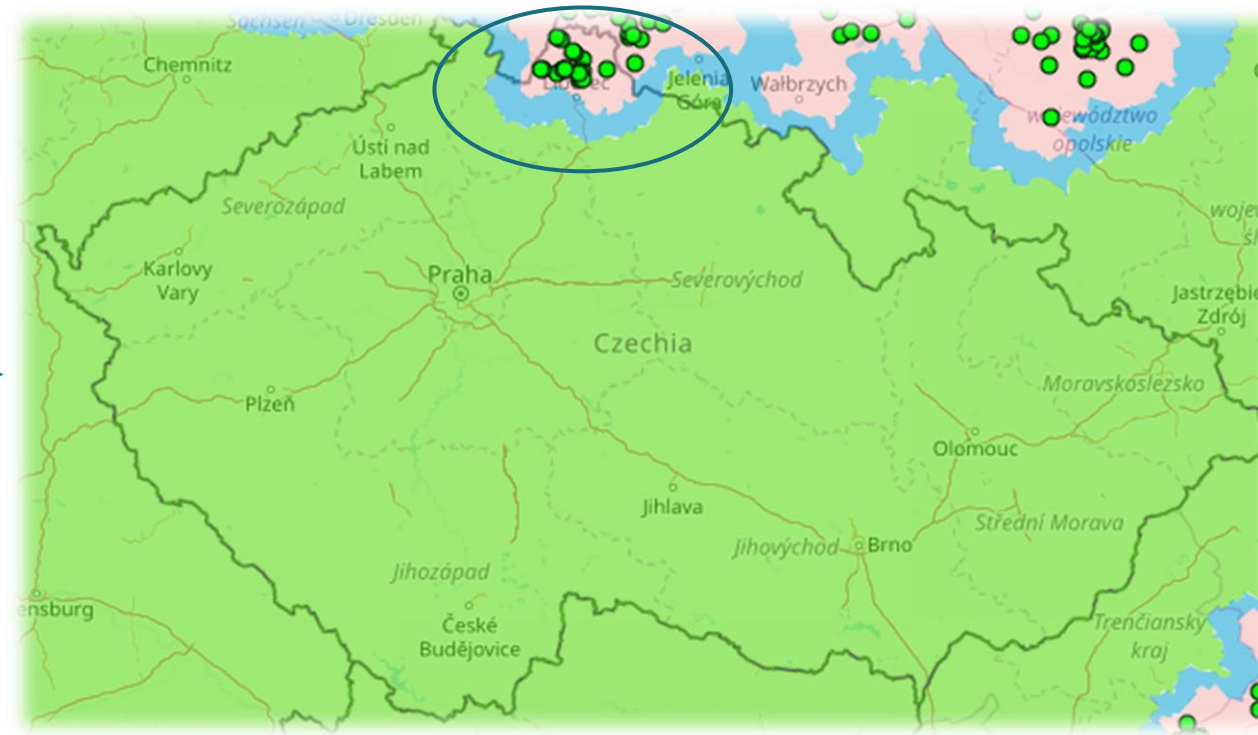
Greece: 4 outbreaks in domestic pigs and several outbreaks in wild boar – enlargement RZ I and II - To improve surveillance Greece extended RZ I at the borders with Bulgaria and Albania



ASF in the Czech Republic

ASF in wild boar confined at the border with Poland

Started in 11/2022 in a completely different place respect to 2019

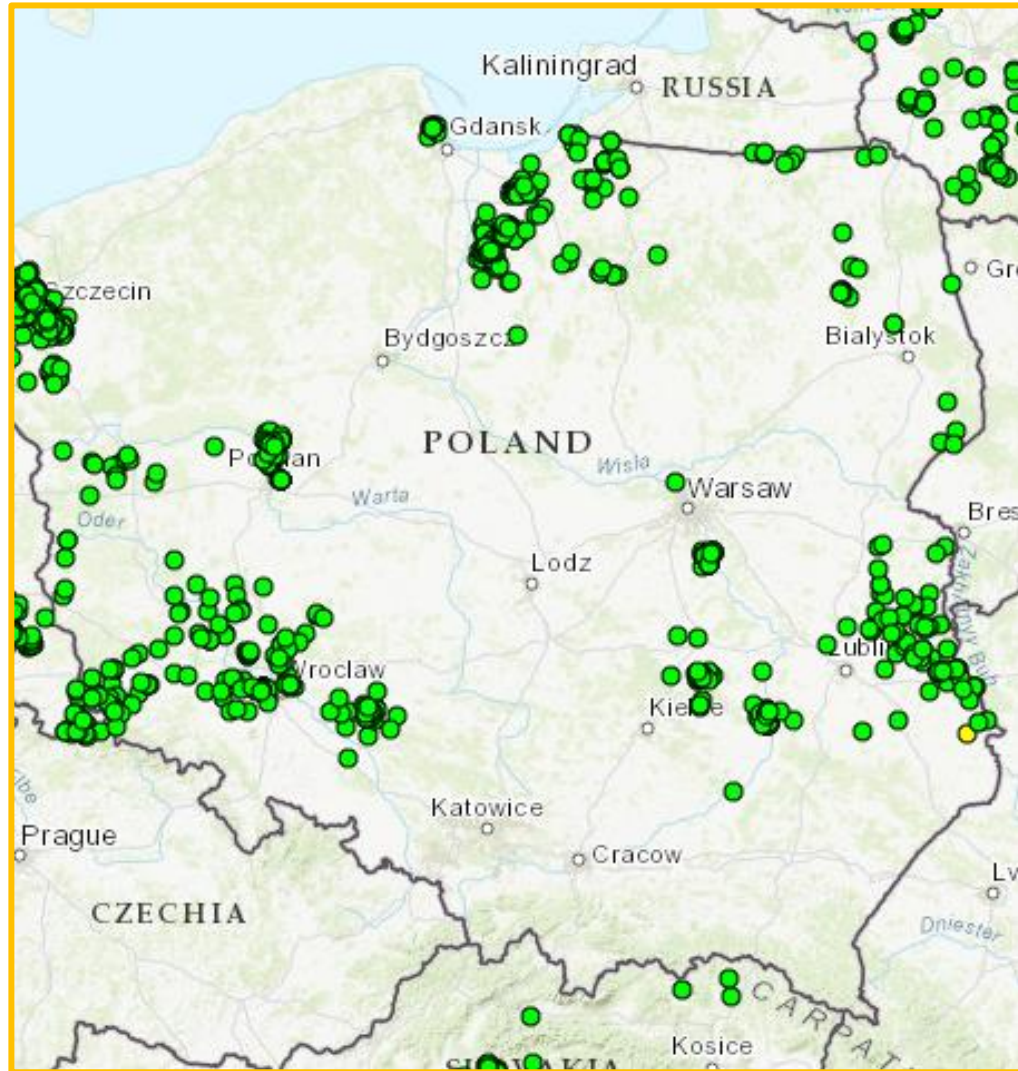


In April and May 2024 revision of regionalization:

Enlargement at the borders

Lifting westward (one single outbreak in 12 months)

ASF in Poland



In Poland the epidemiological situation is evolving

Three main clusters

Three outbreaks in domestic pigs in the last weeks

Several outbreaks in wild boar

ASF in Italy

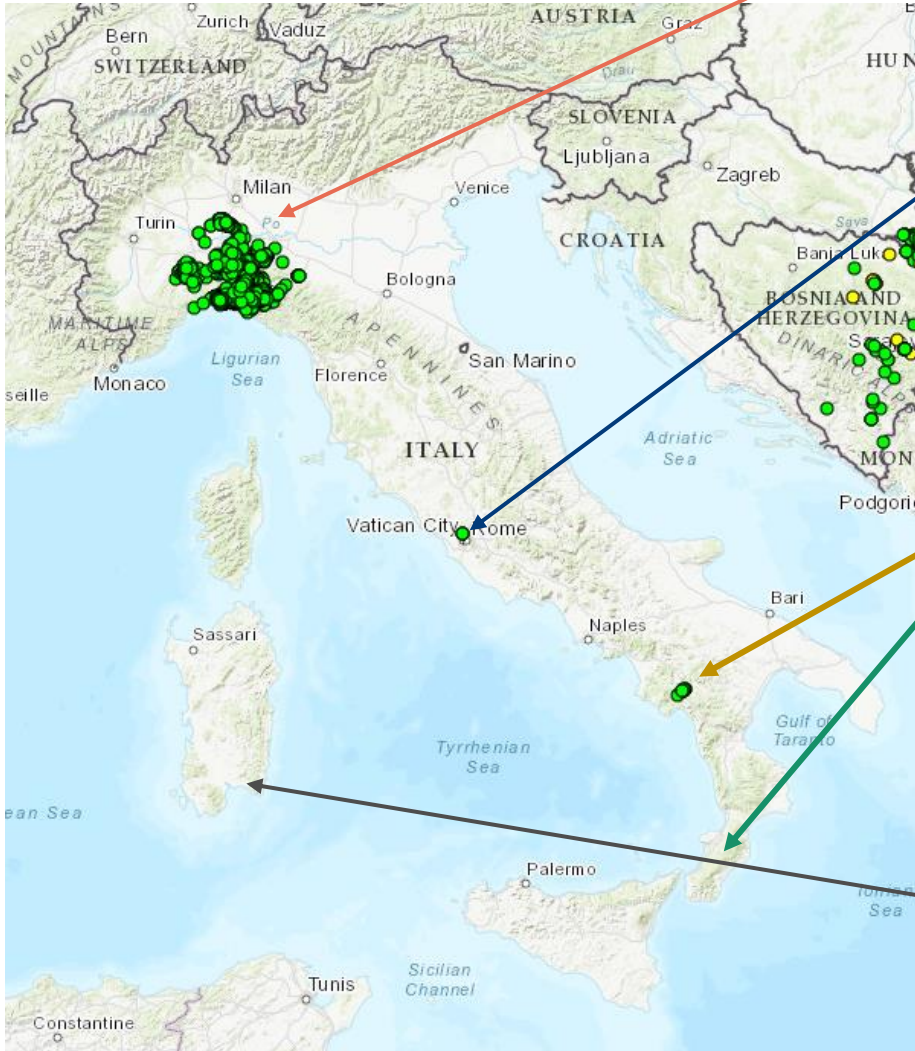
Northern cluster ASF moving slowly westward

In the Centre (Rome) stable epidemiological situation – found some bones from last summer epidemic wave

Southern Italy –

- Campania found some bones from last summer epidemic wave and mummified carcasses
- Calabria stable situation for several months

Sardinia: **genotype I** no notifications since several years. **genotype II** one outbreak confirmed in September 2023 and eradicated



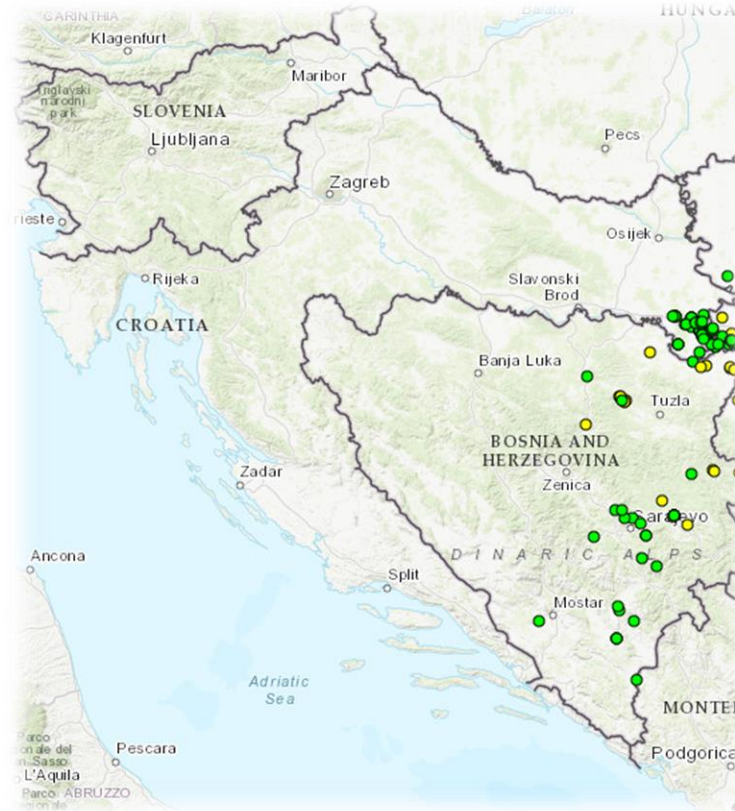
ASF in Croatia – domestic pigs and wild boar– first occurrence

(1) June - October 2023

At the border with Serbia and Bosnia and Herzegovina

1124 outbreaks from July to October
worst situation since 2014

- October - outbreaks in domestic pigs in a new zone County :
 - largest concentration of pig farms/centre for the production of pig semen supplying 85% of Croatian pig producers/largest fattening pig establishments
- Prohibition to use meat from pigs from the restricted zones zone
- Impairment of supply of Croatian markets with fresh meat has been significantly impaired



(2) November-December 2023

Decline in the number of outbreaks and ASF confined in the eastern part of Croatia

improvement attributable to

- Implementation of **strict control measures** (e.g. census and the closure- depopulation of unregistered/illegal farms)
- Development, with the support of the **EUVET**, an action plan

(3) December 2023

Revision of regionalization (PAFF Committee) published on the OJ in December 2023 **enabled the authorities to make use of certain derogations (under very strict conditions)**

(4) 2024 to date

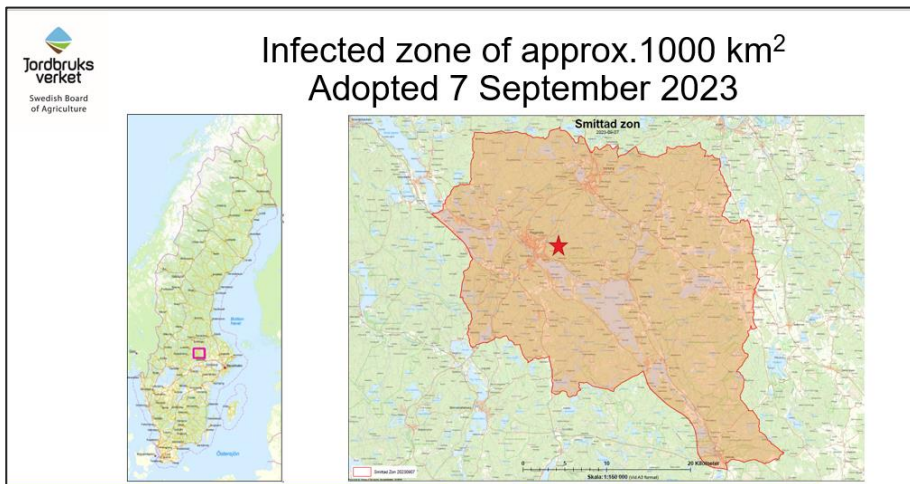
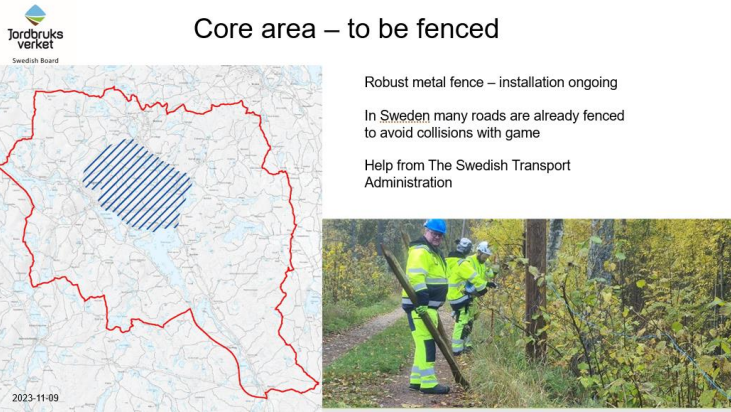
Lifting infected zone in Zara and disease notified in wild boar only

ASF in Sweden – wild boar – first occurrence

Developments in 2023

Control measures

- First confirmation on 6 September (60 ASF cases to date)
- Case detected as part of passive surveillance of wild boars found dead
 - EUVET mission:
 - 20 - 22 September 2023
- EU regionalisation in place



- Establishment of **infected zone**: (art 63-65, Commission delegated regulation (EU) 2020/687)
- Ban on hunting** and all other activities off-road
- Local hunters engaged in **search for dead wild boars**
- Pig farms identified and visited by official veterinarians
- Decision to **depopulate all pig farms** in infected zone
- Center for **test & removal of carcasses** established in Fagersta
- Restriction on movements of pigs** and animal products, feed and bedding materials.
- Mandatory cleaning and disinfection** of machines for agriculture and forestry
- Strategic fencing** of the core area and infected zone



Main EU initiatives on ASF

- Preparedness
- Scientific advice (EFSA)
- Urgent intervention (EUVET)
- Research
- Zoning (Regionalization)
- Financial support
- Network of labs (+ EURL)
- EU Legislation (horizontal + specific)
- EU Guidelines
- Border controls
- Audits
- Training (BTSF)
- Public awareness
- International cooperation

- GF-TADS



CONTROL OF AFRICAN SWINE FEVER IN THE EU
The key role of hunters

African swine fever (ASF) is a devastating, usually deadly, infectious disease of pigs and wild boar for which no vaccine exists.

The consequences of the disease are:

- 1. Farms and the economy:**
 - Economic losses for EU farmers are aggravated by a complete ban on the sale of animals and meat.
 - Economic losses for the hunters.
- 2. Wildlife and hunting:**
 - Because of the disease wild boar populations can decrease significantly in some European countries.
 - Hunting may be restricted or even banned in some areas, which is leading to a reduction of revenues and jobs.

Hunters can make the difference – for better or worse – as they may increase or reduce the spread of the disease.

European Commission/FAO Conference
PREPARING EUROPEAN HUNTERS TO ERADICATE AFRICAN SWINE FEVER

Introduction: EU DE Transboundary Animal Diseases

30 January 2019, 10:00-16:00
Kongresszentrum Westfalenhallen, 58103 Hagen
Registration closed: 08.11.2018

HIGH-LEVEL INTERNATIONAL CONFERENCE
THE FUTURE OF GLOBAL PORK PRODUCTION UNDER THE THREAT OF AFRICAN SWINE FEVER

17th January 2020

AWARENESS CAMPAIGNS

HARMONISED RULES

efsa
European Food Safety Authority

For more information consult ASF topic page and story map on EFSA website
<https://goo.gl/oU3EdD>

TRAVELLERS MUST SURRENDER THESE PRODUCTS FOR OFFICIAL CONTROLS*

Products of animal origin may carry pathogens that cause infectious diseases in animals.

There are strict procedures and veterinary controls on the introduction of products of animal origin into the European Union.

*Only those items carrying the animal quarantine label (yellow, red, blue, green, orange, purple, pink, black and white) are allowed.

Achtung!
Die Bundesminister für Ernährung und Landwirtschaft der Bundesländer und des Bundesrat haben beschlossen, dass ab dem 1. Januar 2019 alle Produkte tierischer Herkunft, die in die EU eingeführt werden, für eine amtliche Untersuchung durch die Bundesländer und den Bundesrat vorgeschrieben sind. Diese Produkte sind für die Einfuhr in die EU nicht zulässig.

Warning!
The Federal Ministers of Food and Agriculture of the Federal Republic of Germany hereby give notice that highly contagious African Swine Fever has been found in the EU. It is a highly contagious disease of pigs and wild boar. This disease, which is not dangerous for humans, can be transmitted to wild boar and domestic pigs. It is highly contagious and can cause significant economic damage to the pig farming sector.

Pozor!
Specifické zvieratiny môžu niesť a šíriť vírus, ktorý spôsobuje smrteľnú chorobu. Preto je potrebné, aby všetci cestujúci s týmito zvieratami do Európy predtým, ako vstúpia do Európy, predložili tieto zvieratiny na príslušný úrad. Čiastočne zvieratiny, ktoré sú určené na export do Európy, musia byť predtým, ako vstúpia do Európy, predložili na príslušný úrad.

Atenție!
Molăm să vă informăm că Ministerul de Agricultură și Silvicultură al Republicii Federale de Germania a decis să impună ca toate produsele de origine animală care sunt introduse în Uniunea Europeană să fie supuse unei examinări oficiale de către autoritățile competente. Aceste produse, care sunt destinate exportului în Uniunea Europeană, trebuie să fie prezentate la autoritatea competentă înainte de a intra în țară.

Внимание!
Информация: Германия решила запретить ввоз животных в Европейский Союз. Эти животные могут переносить смертельный вирус, который вызывает болезнь. Поэтому все животные, которые ввозятся в Европу, должны быть представлены на соответствующий орган власти.

Uwaga!
Informacja: Niemcy zdecydowały się na zakaz wwozu zwierząt do Unii Europejskiej. Zwierzęta mogą przenosić śmiertelny wirus, który powoduje chorobę. Dlatego wszystkie zwierzęta, które mają być wywiezione do Unii Europejskiej, muszą być przedstawione do właściwych władz.

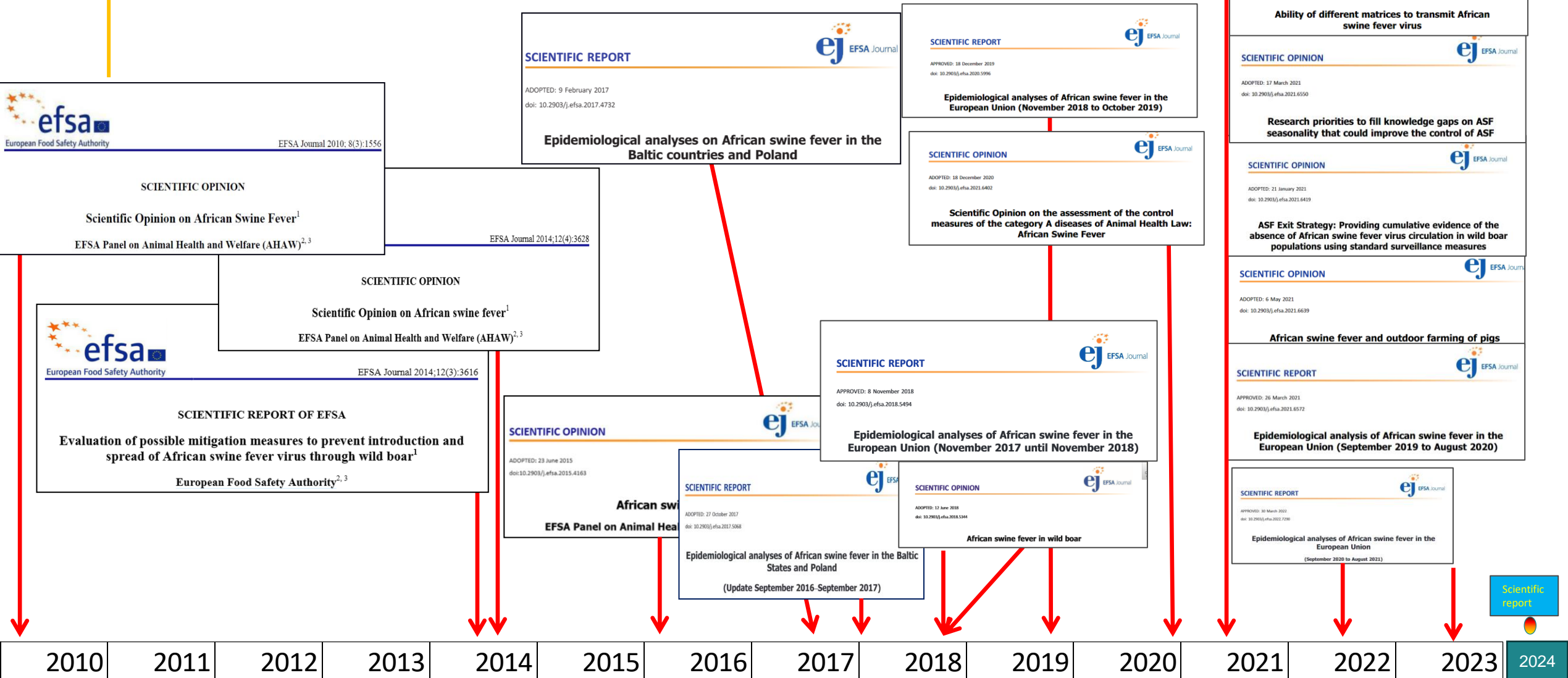
Main initiatives of the EU on ASF

- Preparedness
- Scientific advice
- Urgent intervention
- Research
- Zoning
- Financial support
- Network of labs
- EU Legislation
- EU Guidelines
- Border controls
- Audits
- Training
- Public awareness
- International cooperation

Uwaga!

EFSA Scientific Reports and Opinions

Science based



<https://www.efsa.europa.eu/en/topics/topic/african-swine-fever>

EU Veterinary Emergency Team (EUVET)

EUVET:
expert missions

- The team includes experts in the fields of veterinary sciences, virology, wildlife, laboratory testing, risk management and other relevant areas. The experts are on stand-by, ready to respond in animal health situations.
- From 2007 to 2024, **63 EUVET** missions were organised by the Commission to provide support to EU Member States (and third countries) on ASF
- https://food.ec.europa.eu/animals/animal-diseases/veterinary-emergency-team_en
 - **Experts:** https://food.ec.europa.eu/system/files/2023-03/ad_emergency_cvet_experts.pdf
 - **Missions:** https://food.ec.europa.eu/system/files/2023-02/ad_emergency_cvet_experts_missions.pdf



ASF vaccine?

Challenge: safety, efficacy, genetic stability of any candidate ASF vaccine!

There is no safe and effective ASF vaccine worldwide


The Commission has been supporting research on ASF for decades


(1) projects supported before ASF entered the EU


ASFRISK: EU contribution – ~3 mln €

ASFORCE: EU contribution – ~5 mln €

(2) two research projects under Horizon 2020
(EU support ~15 mln. € in total):

 **DEFEND:** ASF and LSD (epidemiology & vaccinology) novel diagnostics tools and vaccines; Vaccination strategies.

 **VACDIVA:** for a safe and effective live attenuated ASF vaccine (3 candidate vaccines). **Still on-going**



(3) two new research projects under Horizon Europe (kick-off 2024)

ASFaVIP: EU contribution – ~6 mln €

VAX4ASF: EU contribution – ~6 mln €



NO rules are currently available in the EU legislation to enable the use of any ASF vaccines



EU regionalisation measures for ASF

In line with
WOAH

- **Restricted zone I** ('an additional further restricted zone') – zone, bordering zone II or III, where relevant (no ASF)
- **Restricted zone II** ('an infected zone') – ASF in wild boar
- **Restricted zone III** ('a further restricted zone', in addition to PZ/SZ) – ASF in domestic pigs (with or without ASF in wild boar)

NEW guidelines!!!! Published 18 December 2023 - OJ

Commission Notice on the guidelines on the prevention, control and eradication of African swine fever in the Union ('ASF guidelines') :

- developed on the basis of previous working documents and updated considering the most recent legislation and the latest scientific knowledge on ASF;
- Provide information on best practices on the management of ASF, advice on specific measures on ASF prevention, control and eradication in the Union and for the principles and criteria for geographically defining ASF regionalization in the EU.

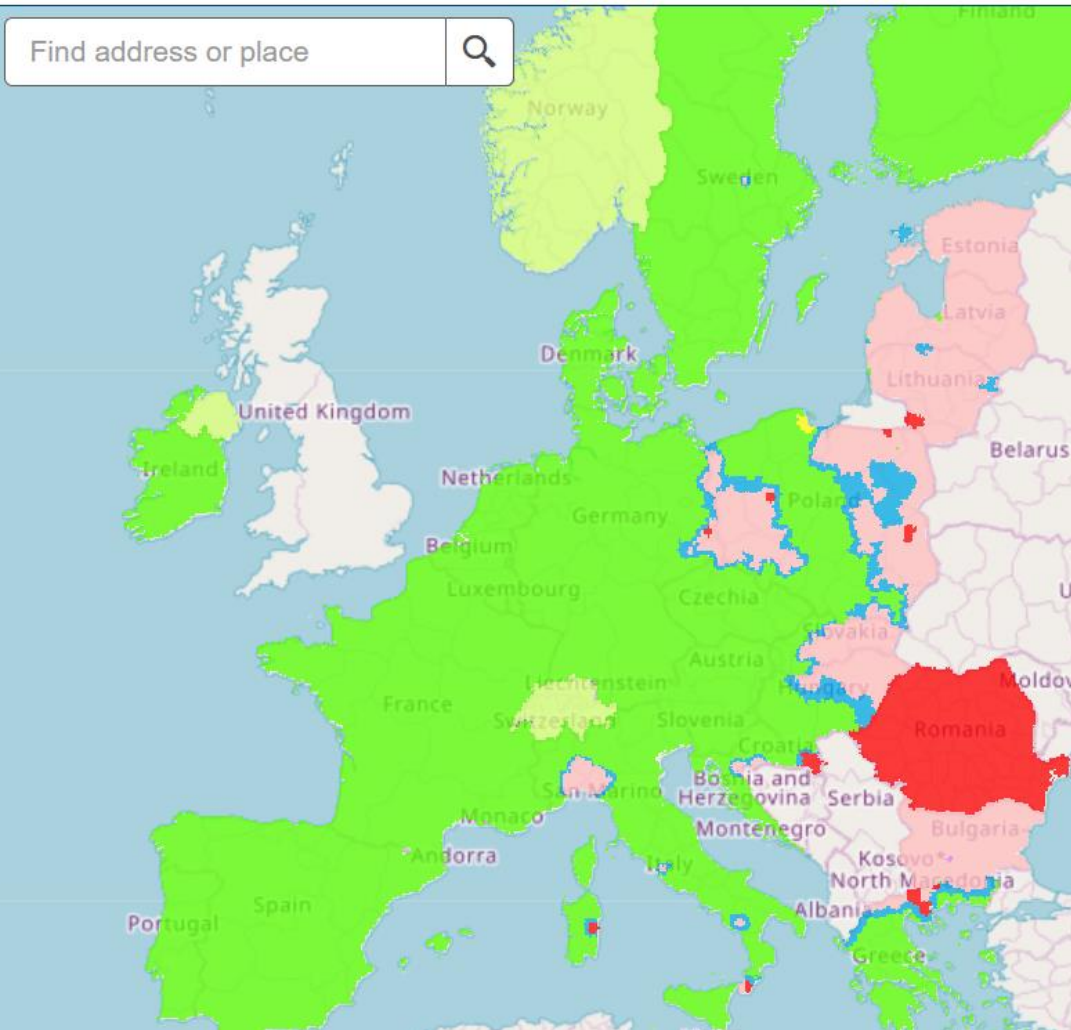
<https://eur-lex.europa.eu/eli/C/2023/1504/oj>

Online interactive map:

<https://santegis.maps.arcgis.com/apps/webappviewer/index.html?id=45cdd657542a437c84bfc9cf1846ae8c>

ASF interactive tool

EU ASF zoning measures (last update: 17/05/2024)



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What is African swine fever?

Current Situation

Special control measures

Websites of competent authorities of Member States

BTSF training materials on African Swine Fever (ASF)

EFSA scientific advice

Blueprint and Roadmap (BRMP)

ASF Diagnostics

EU zoning measures: based on the epidemiological situation of African swine fever, the areas affected by that disease in relevant Member States are listed as restricted zones I, II and III in Annex I to [Commission Implementing Regulation \(EU\) 2023/594](#), while the areas identified at Union level as protection and surveillance zones or, in the case of wild porcine animals, as an infected zone are listed in Annex II to that Regulation. The latest specific zoning measures that have been taken with respect to evolution of the African swine fever situation in the Union are included in [Commission Implementing Regulation \(EU\) 2024/1454 of 17 May 2024](#), amending Annex I to [Commission Implementing Regulation \(EU\) 2023/594](#) as regards special disease control measures for African swine fever.

The [map summarising the zoning measures for African swine fever in the Union](#) and [an interactive tool for EU ASF zoning measures](#) provide an indicative representation of restricted zones I, II and III listed in Annex I of [Commission Implementing Regulation \(EU\) 2023/594](#) as last amended by [Commission Implementing Regulation \(EU\) 2024/1454 of 17 May 2024](#)

- Provides for indicative visualisation of Annex I of Regulation (EU) 2021/605 (updated immediately)
- Allows to:
 - Zoom in/out
 - Find exact place on the map
 - Measure
 - Choose base maps

Thank you



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