

# GF-TADs

GLOBAL FRAMEWORK FOR THE  
PROGRESSIVE CONTROL OF  
TRANSBOUNDARY ANIMAL DISEASES



Food and Agriculture  
Organization of the  
United Nations



WORLD ORGANISATION  
FOR ANIMAL HEALTH

**Standing Group of Experts on ASF in Europe**  
under the GF-TADs umbrella

19<sup>th</sup> meeting (SGE ASF19)

23 February 2022

**ASF IN WILD BOARS IN ITALY**  
**Measures taken**

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# Preamble

- It is the first time that ASF has been detected in a Mediterranean mountainous area;
- By now the eradication strategy applied has been developed through modelling and descriptive statistics using data obtained through field epidemiological studies and best practices gained from infected areas during the past 9 years.
- Areas with low population density (from 2 to 0,5/WB/KM<sup>2</sup>) and long winters with high survival of the virus;



# Cronology of first events

1. 29/12/2021 - detection of a wb carcass by veterinary service and sample collection
2. 05/01/2022 – screening test positive to ASF carried out by the Istituto Zooprofilattico Sperimentale of Piedmont, Liguria and Valle d'Aosta Regions (IZSPLV), in a wild boar carcass found in Ovada (Piedmont)
3. 07/01/2022 – Confirmation by CEREP - **Genotype II** ASFV (In Sardinia Genotype I)
4. 07/01/2022 – Notification to EU and OIE
  - a) Local Crisis Unit meeting (Piedmont Region, IZSPLV, hunters organization.....)
  - b) Suspicion in other 2 wild boars in Isola del Cantone (Liguria) and Fraconalto (Piedmont)
  - c) ASF Expert group meeting with definition of the Infected Zone



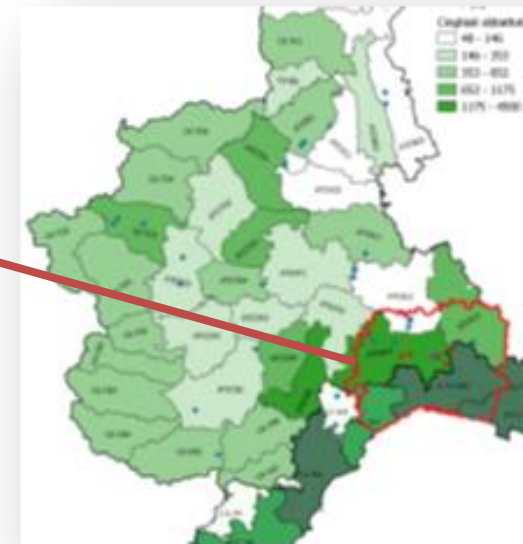
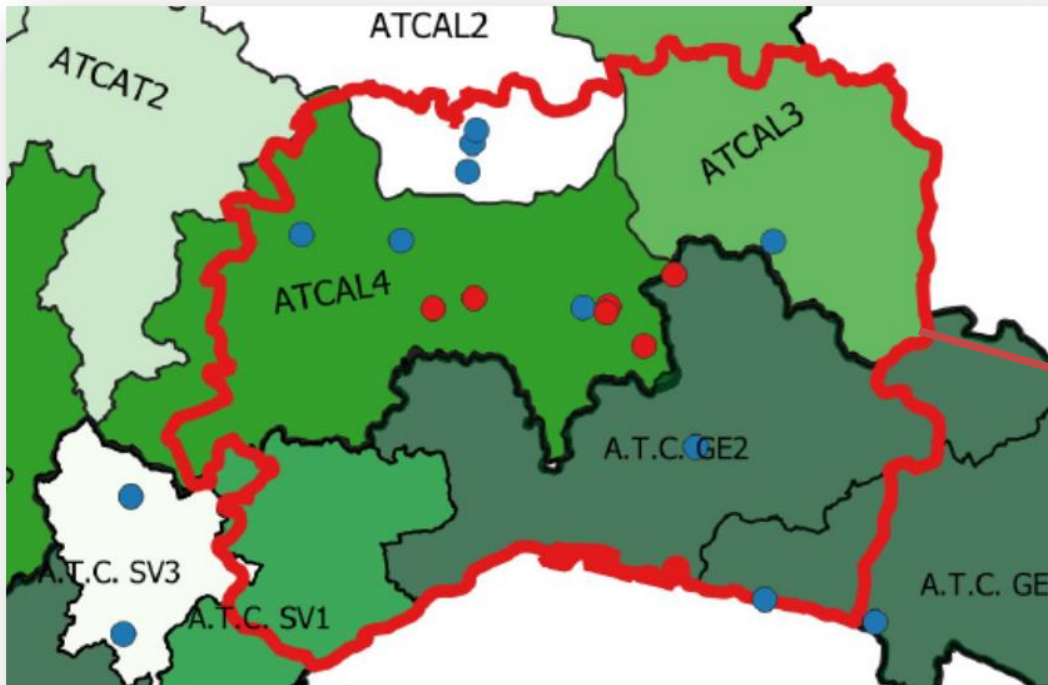
# Cronology of first events

1. 7 January - Letter to Region Authorities to temporarily suspend the health certifications of slaughtered pork and pork-based products, if these are intended for third countries with which there is a health agreement and/or a health certificate that provides ASF free recognition of the whole country, with immediate effect
2. 10/01/2022 – Central Crisis Unit meeting
  - a) Confirmation of cases N.2 and N.3
3. 11/01/2022 - Notification to EU of cases n. 2 and 3
4. 11-13 January - MoH and CEREP Mission to Piedmont and Liguria

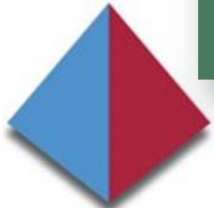


# Cronology of first events

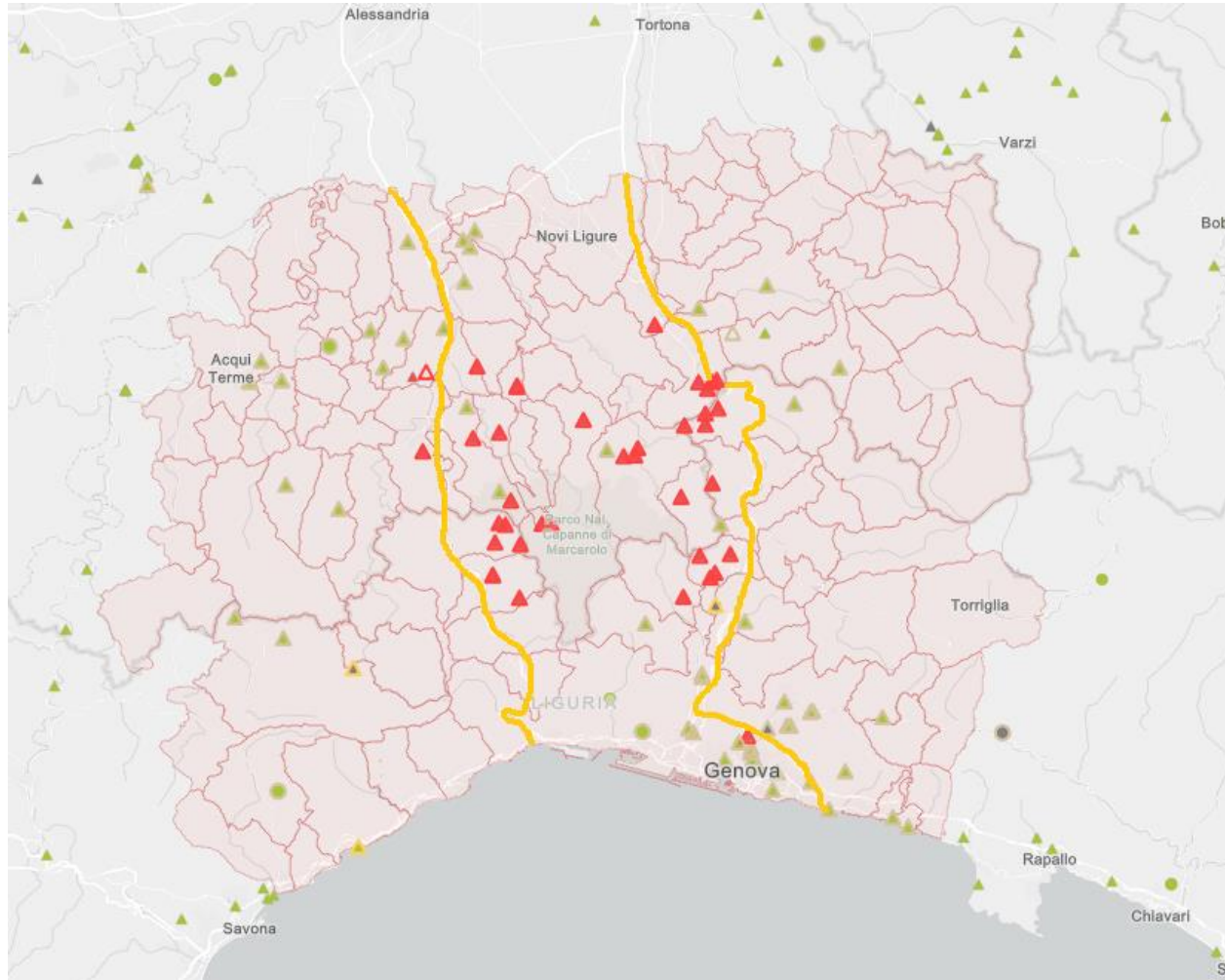
1. 11/01/2022 – Ministerial Provision: Establishment of the enlarged Infected Area
2. 15-16 January – starting of active searching of wild boars carcasses mainly in the external areas of the Infected Zone and neighbouring regions (Emilia Romagna, Lombardy and Tuscany) with the strong involvement of volunteer hunters



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# Updated map to 18/02/2022



SAMPLES	TESTED	POSITIVE
Liguria	101	18
Piemonte	205	20
<b>TOTAL</b>	<b>306</b>	<b>38</b>

The infected zone is 2811km<sup>2</sup>

# Diagnosics issues

National Reference Laboratory provided the viral confirmation of screening diagnosis carried out by Istituto Zooprofilattico Sperimentale of Torino (Real time PCR)

Viral isolation performed by National Reference Laboratory (OIE – Manual)

Sequence analysis of isolated virus ASF VIRUS **GENOTYPE II** confirmed by EURL (VP72)

Further investigation - full genome sequencing NGS - Sanger - MinION



Clinical investigation (experimental infection)

First symptoms 3-5 days post infection

Euthanasia (for welfare reasons) on moribund animals at 7° day post infection

High Virulence strain

# Measures taken

In accordance with Commission Implementing Regulation (EU) 2021/605; Delegated Regulation (EU) 2020/687; Prevention and surveillance ASF National Plan; Manual of ASF emergency in wild population

- Institution of Central Crisis Unit
- Ministerial Provision 11/01/2022: Establishment of the enlarged Infected Area
- Order of Ministry of Health in agreement with Ministry of Agriculture, Food and Forestry policies 13/01/2022: Prohibition of hunting and other activities in the infected area
- Regional orders (Emilia Romagna and Lombardia): Prohibition of hunting and other activities in neighboring areas



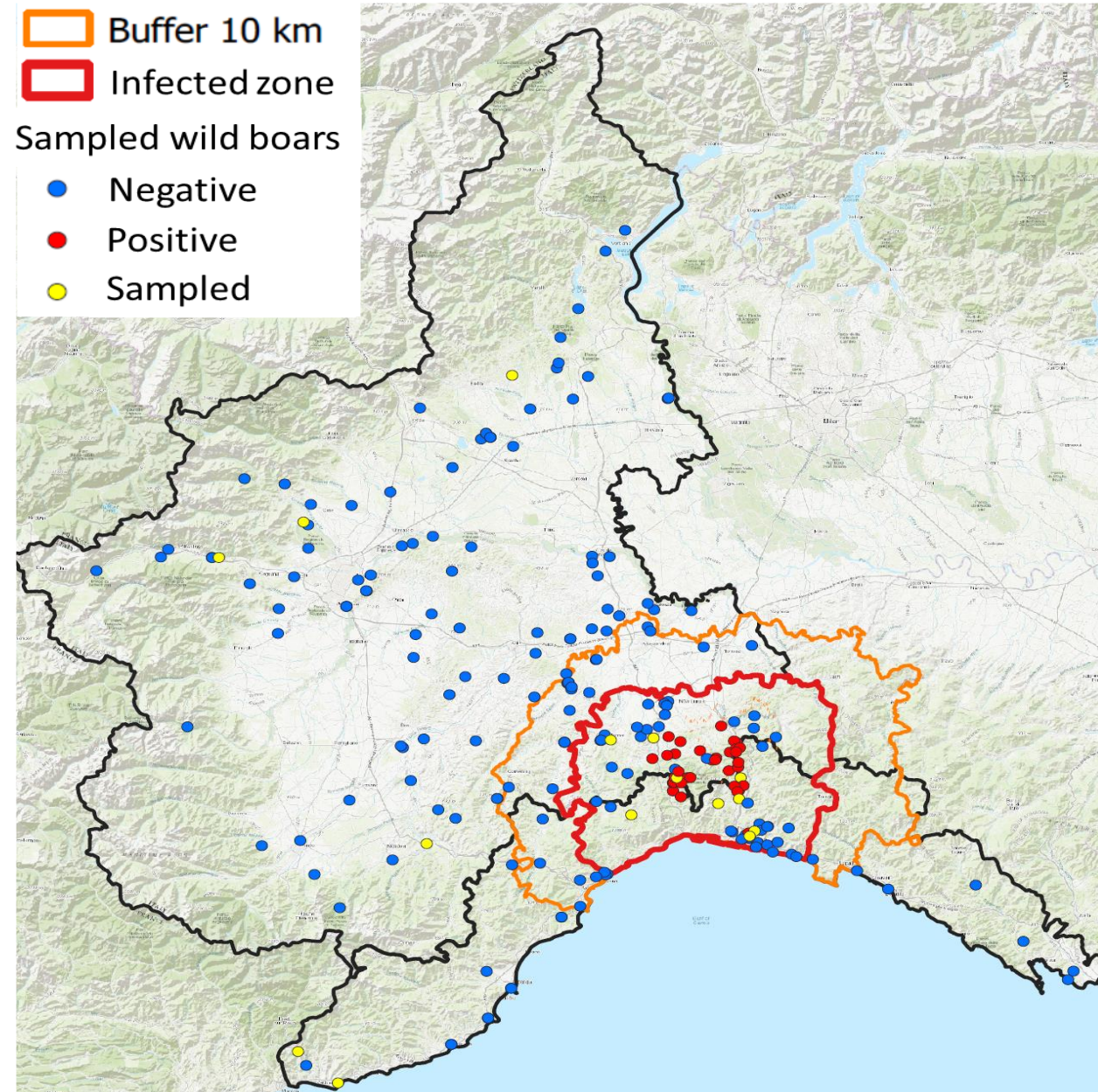


# Measures taken

- 18/01/2022 Ministerial Provision: measures to be applied on the basis of the involvement of territories on the disease and informative channels:
  - Infected area
  - 10 km Neighbouring zones
  - other regions
- 16/02/2022: Decree Law n. 9/2022: Urgent measures to stop the spread of ASF
  - Regions have to adopt a surveillance and eradication plan against ASF both for domestic and wild animals based on the National plan and the Manual of ASF Emergency in wild boars population
  - Identification of an Extraordinary Commissioner for the implementation and coordination of measures to contain and contrast the spread of ASF



# Controls by zones



# Ministerial Provision 18/01/2022

## INFECTED AREA

- Hunting and other outdoor activities prohibition
- Active wild boars carcasses searching starting from borders
- Management and disposal of carcasses
- Pig farm census
- Depopulation of at-risk farms, included industrial farms and backyard farms, in the infected area and 6 months stop of reproduction and restocking
- Stop of live pigs, pig meat products and ABPs movements
- Virological test in pigs found dead (art. 9, paragraph 1, Delegated Regulation (EU) 2020/689)



# Ministerial Provision 18/01/2022

## Neighbouring zones (10 km)

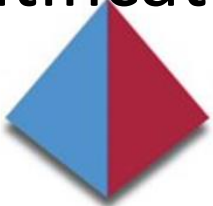
- Enhancement of passive surveillance
- Virological test in pigs found dead
- Regulation of hunting and outdoor activities
- Census of pig farms and immediate update of National Database
- Enhancement of biosecurity measures (Annex II Implementation Regulation (EU) 2021/605), and checks starting from semi-wild farms by specific checklist filled out in ClassyFarm system
- Prohibition of movement of wild boars caught in protected areas and other wildlife establishments other than that aimed at slaughtering;
- Enhancement of checks on pigs movements



# Ministerial Provision 18/01/2022

## OTHER REGIONS

- Census of pig farms and immediate update of National Database
- Prohibition of movement of wild boars caught in protected areas and other wildlife establishments
- Enhancement of biosecurity measures at pig farms
- Checks of biosecurity measures, starting from semi-wild farms
- Obligation of fences in semi-wild farms and individual identification of all breeders present there



# Ministerial Provision 18/01/2022

## Regional and local Authorities in Infected Zone

Are responsible to apply the measures and controls, also involving private vets, Police Forces, hunting and volunteers organizations and other formally appointed figures

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In IZ any wild boar carcass found has to be classified as suspect in the veterinary informative systems for animal diseases SINVSA and SIMAN.

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Out of the IZ only carcasses of wild or domestic pigs showing symptoms or lesions suggesting ASF has to be classified as suspected.

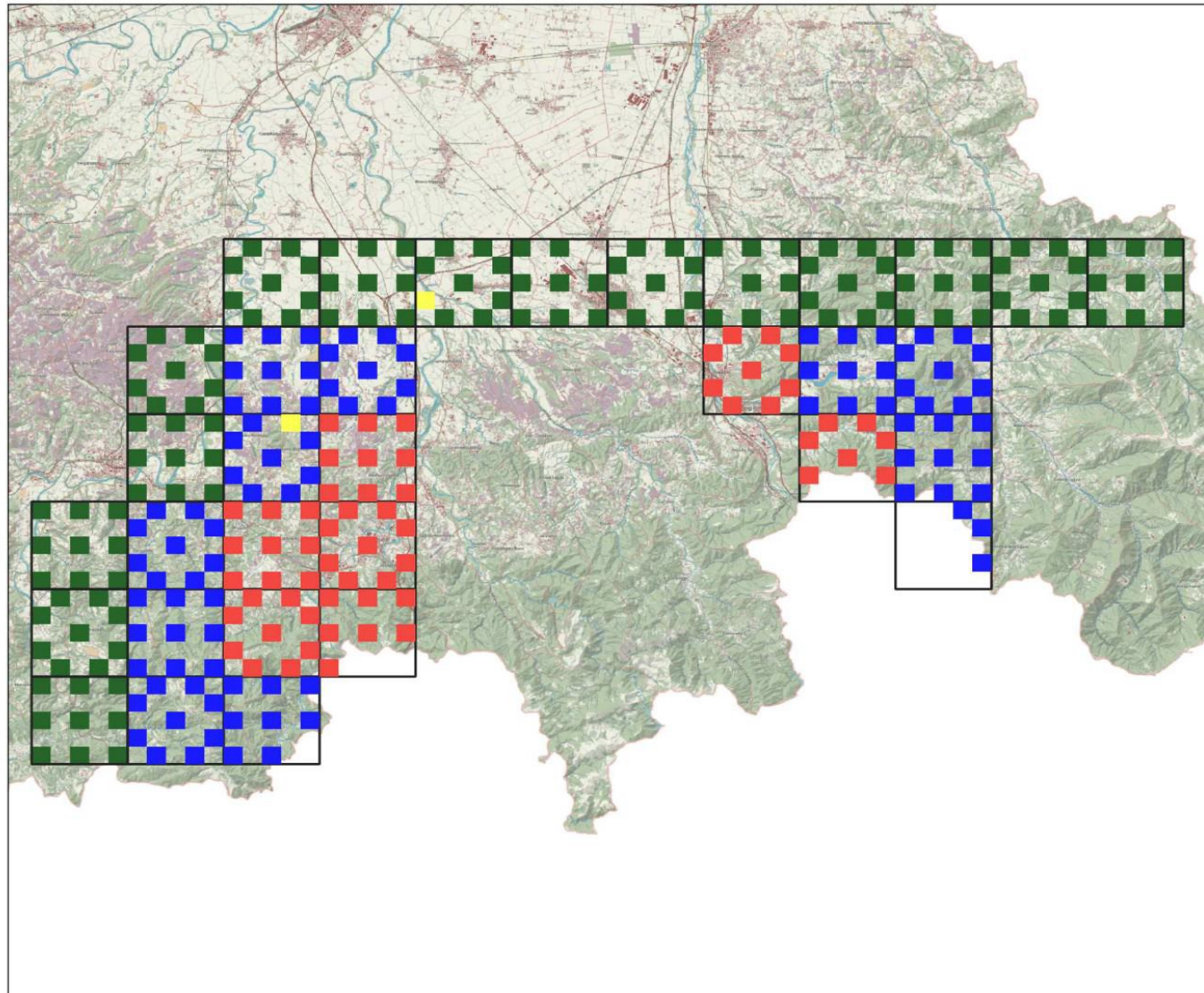
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Weekly report on carcasses searching.

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# Research of carcasses in Piedmont and Liguria



**PIANO MONITORAGGIO  
CARCASSE RINVENUTE**

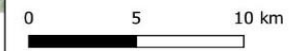
Celle monitorate 1°Sett.  
■ Nessuna carcassa  
■ Carcasse trovate: 1

Celle monitorate 2°Sett.  
■ Nessuna carcassa  
■ Carcasse trovate: 1 animale abbattuto

■ Celle da monitorare 3°Sett.

□ settori

Base Cartografica di Riferimento Anno 2021  
1:50.000



Scala - 1:200.000



# EUVET mission 7-11 February 2022

- In the infected area the eradication of the virus through the gradual decrease of the ASF incidence is not achievable because the strategy is based on the probability that about 80% of infected wild boar carcasses are constantly found and safely removed
- According to the local CA and the EUVET Team, to find and remove 80% of the carcasses in this habitat is simply impossible due to:
  - the dense vegetation;
  - the orography with long and steep valleys resembling canyons;
  - the size of the involved area
  - the synanthropised wild boar population



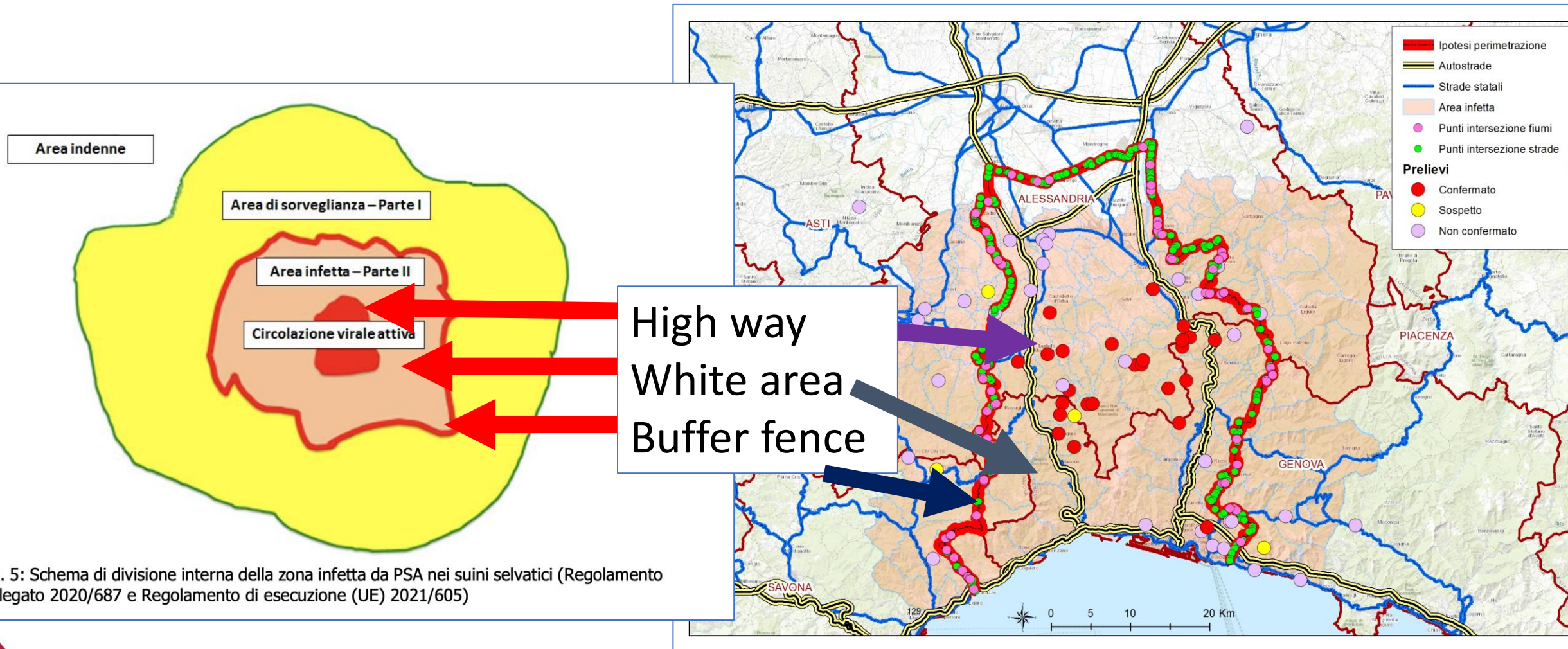


# EUVET recommendations

- Signals that aware people about risks linked to the presence of the virus have to be applied in the Infected Zone, included all municipalities
- Signals have to be posed at any road entrance and around the main villages, towns, cities and whenever roads further enter in the infected area



# ASF virus could be eradicated using fences only



# EUVET recommendations

IMMEDIATELY reinforce the highway fences (both)

ASAP build a BUFFER FENCE

*And in the meanwhile...*



# EUVET recommendations

- Build and bait traps in the infected area (initially 1/2000-2500 ha)
- Passive surveillance targeting specific spots as known wild boar abundance, water (rivers, streams); considering financial support;
- Wild boar reduction plan for outside the infected area;
- Accurately check the validity of the eradication strategy and accordingly set short, medium and long term eradication switches



# Depopulation Recommendation

- Inside the infected zone: hunting prohibited. Any animal caught or killed has to be tested and safely disposed whatever test result
- Outside the white and infected areas hunting is allowed but under strict biosecurity measures
- Wild boar hunting methods applied according to the epidemiological situation but single hunting is always supported and facilitated.
- each hunted wild boar has to be tested (negatives can be eaten inside the hunting area)



# Pet pigs

- Check/reinforce register
- Regular visits to verify presence and health status



# Communication examples – MoH and Region websites

**ATTENZIONE**

Milioni di maiali e cinghiali sono minacciati dalla Peste Suina Africana nei Paesi dell'Unione europea e nei Paesi terzi vicini.  
Gli avanzi degli alimenti smaltiscili solo in contenitori chiusi.

**SEI TURISTA?**  
NON portare con te carni e salumi di suino non certificati e smaltisci gli avanzi degli alimenti in contenitori chiusi.

**SEI ESCURSIONISTA?**  
Se avvisti una carcassa di cinghiale avvisa subito l'Azienda Sanitaria Locale, i Carabinieri Forestali, le Forze dell'ordine.

**SEI CACCIATORE?**  
NON portare carcasse di cinghiale. Informati sull'esistenza delle zone a rischio e adotta le misure igienico sanitarie per scarpe, vestiti, attrezzature, mezzi di trasporto.

**SEI TRASPORTATORE?**  
Trasporti animali? Disinfetta il tuo camion prima di ogni carico.  
In ogni caso, durante gli spostamenti, non lasciare avanzi di cibo in luoghi aperti.

**SEI ALLEVATORE?**  
Se allevi in particolare suini, applica le misure di biosicurezza, evita il contatto con gli animali selvatici o con altri suini.

**SEI VETERINARIO?**  
Fai attenzione ad ogni segnale di sospetto in allevamento o al macello. Non escludere a priori la diagnosi di Peste Suina Africana.

Per ogni informazione utile consulta in sito [www.salute.gov.it](http://www.salute.gov.it)

Ministero della Salute  
Direzione generale della sanità animale e dei farmaci veterinari

**PESTE SUINA AFRICANA**

**UCCIDE I SUINI**

Ministero della Salute

**PESTE SUINA AFRICANA**

CEPI

**ALLERTA PESTE SUINA AFRICANA**

**ATTENZIONE!** **IT**  
La Peste Suina Africana, malattia virale altamente contagiosa, è diffusa in Europa e attualmente rappresenta una minaccia per milioni di suini domestici e di cinghiali. Tale malattia, non pericolosa per l'uomo, può essere trasmessa attraverso gli alimenti agli animali sani.  
Assicuratevi di gettare gli avanzi degli alimenti in appositi contenitori per rifiuti chiusi!

**WARNING!** **EN**  
Highly contagious African Swine Fever has been spreading through Europe and is now a threat for millions of domestic pigs and wild boar. This disease, which is not dangerous for humans, can be transmitted by food.  
Please make sure that all leftover food is put in sealed waste containers!

**ATTENTION!** **FR**  
La peste porcine africaine, maladie virale très contagieuse, circule activement dans certains pays européens; c'est une menace pour des millions de porcs domestiques et de sangliers sauvages. Cette maladie, non contagieuse pour les humains, peut être transmise par la nourriture.  
Assurez-vous de bien jeter vos restes de repas dans des poubelles prévues à cet effet et fermées.

**WARNING!** **DE**  
Hoch ansteckende afrikanische Schweinefieber ist gewesen Verbreitung in Europa und ist jetzt eine Bedrohung für Millionen von Hausschweinen und Wildtieren Eber. Diese Krankheit, die nicht gefährlich ist für Menschen, kann durch Nahrung übertragen werden.  
Bitte Stellen Sie sicher, dass alle Essensreste hineingelegt werden verschlossene Abfallbehälter!

**UWAGA!** **PL**  
Na terenie Europy rozprzestrzenia się w wysokim stopniu zakaźna choroba – afrykański pomór świń – stanowiąc zagrożenie dla milionów sztuk hodowlanej trzody chlewnej oraz pogłowia dzików. Ta niebezpieczna zagrożeniem dla człowieka choroba może być przenoszona także przez żywność. Dlatego prosimy wyrzucać resztki żywności wyłącznie do zamkniętych pojemników na śmieci i odpady!

**ATENȚIE!** **RO**  
Se răspândește în Europa pesta porcină africană extrem de contagioasă care amenință milioane de porci domestici și mistreți. Prin alimente se poate transmite această boală care pentru om nu este periculoasă.  
De aceea vă rugăm să aruncați resturile alimentare doar în recipiente de gunoi care pot fi închise!

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Direzione generale della sanità animale e dei farmaci veterinari  
[www.salute.gov.it](http://www.salute.gov.it)

# THANK YOU



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