



# ASF in Sardinia

## epidemiological upgrades and current relevant issues

SCoPAFF  
13 July 2021

## ASF is present in Sardinia since 1978

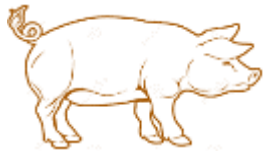


**ASF Virus Genotype I is the last remnant of large epidemical wave that affected Europe and America from '50 to '90s**

**an historical endemic area is well identified in the Central-East part of the Island**

**ASF has hampered the development of a modern pig farming**

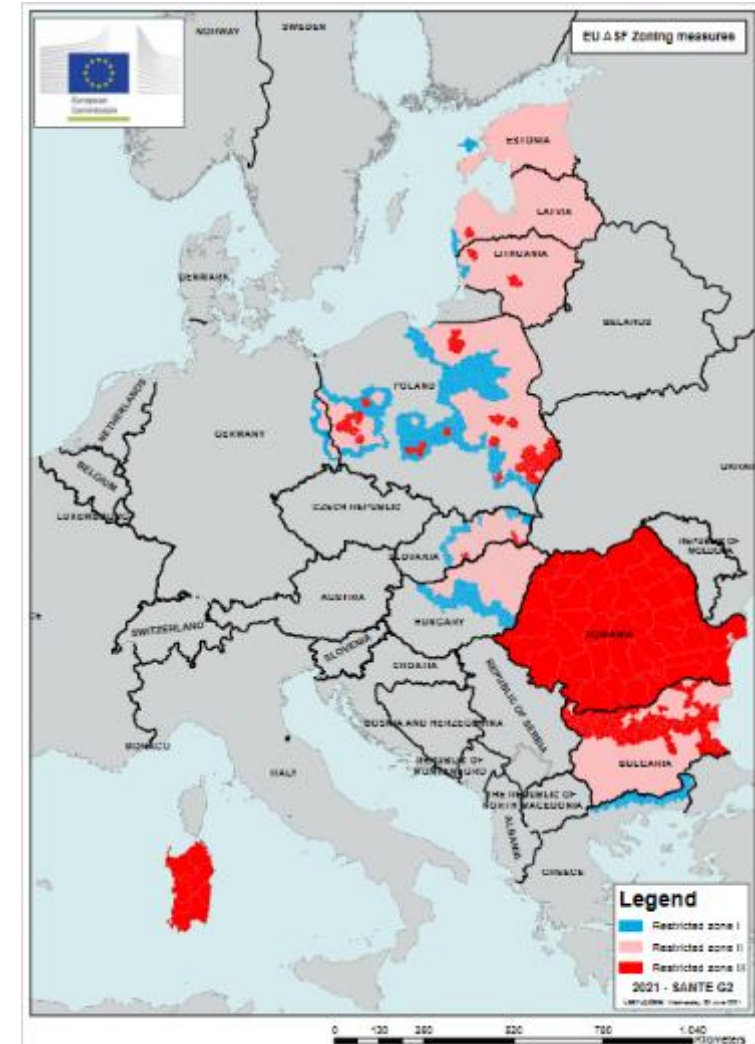
# State of play of outbreaks in Sardinia



- last outbreak in holdings was confirmed on 12 September 2018



- no virus positive in the last two hunting seasons and during passive surveillance since 8 April 2019 until now





# Management of Eradication Plan- highlights of last FVO audits (2013-2016) and fact finding (2019)

## STRENGTH POINTS

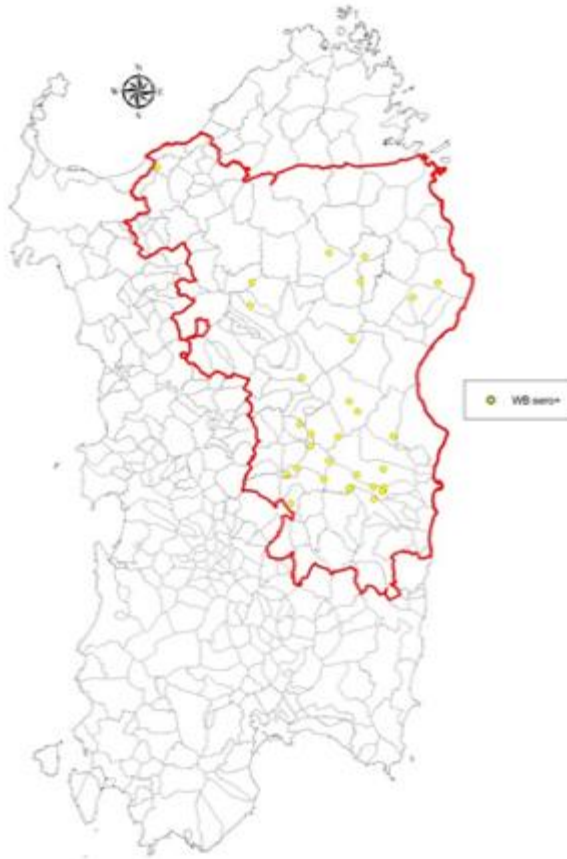
- Efficient command chain (new regional assignments 06/2021)
- Individual animal register implemented
- Great efforts in surveillance and vigilance of territory (farms, slaughterhouses, customs...)
- Straightens efforts to fight the illegal practices

## WEAKNESS POINTS

- Increase of passive surveillance in wild boar infected area
- Improve of surveillance in feral pigs
- Reliability of informative systems
- Straightens efforts to fight the illegal practices
- Smoothness of information flows

# Cases and outbreaks within the infected area up to June 2021

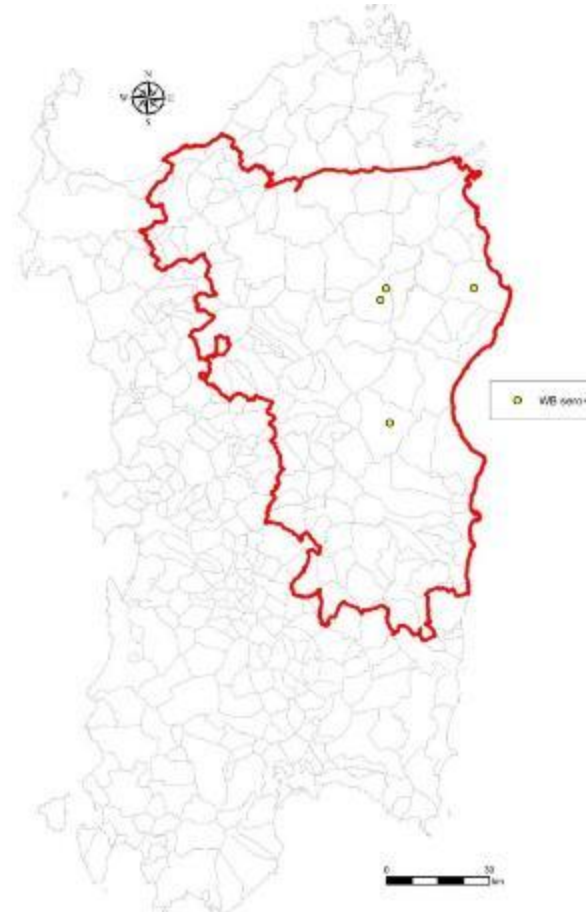
2020



	N	Virus +	Sero +
Domestics	0	0	0
Wild boars	42*	0	42*

\*From 01 Jan to 30 June 2020 32 sero+  
From 01 July to 09 Dec 2020: 10 sero+

2021



	N	Virus +	Sero +
Domestics	0	0	0
Wild boars	4	0	4*

\* last hunting season

# Active surveillance in domestic pigs and wild boar 2021 (update June)

Domestic pigs	
Type of control	Holdings controlled
Slaughter for selfconsumption	12.051
Movement to slaughterhouses	6.661
Movement to live	624
Serological controls	8.057
Official controls	2.879

Wild boar*		
Heads	Tested	Positives
sero	1.641	4
virus	600	0

\*hunting season (January 2021)

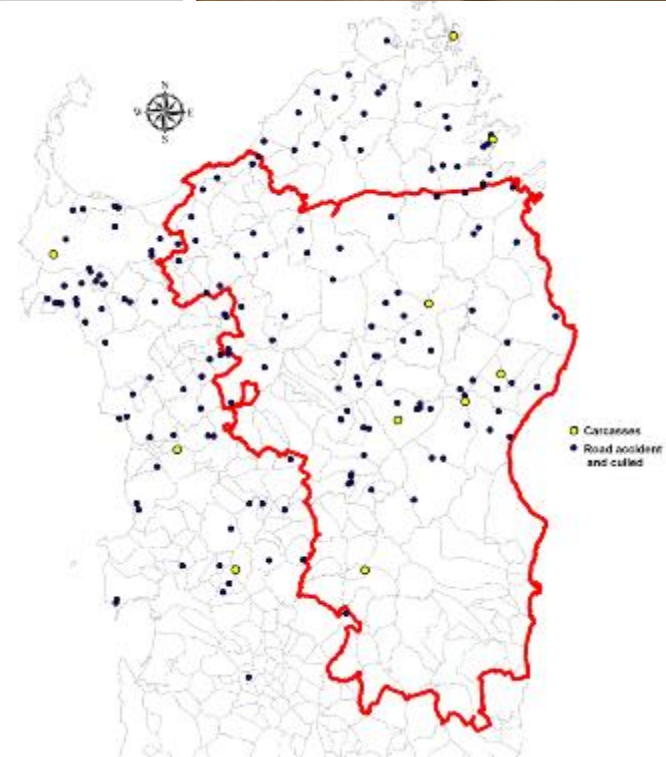


# Passive surveillance in domestic pigs and wild boar 2021 (update June)

Domestic pigs		
Heads	Tested	Positives
sero	49	0
virus	139	0

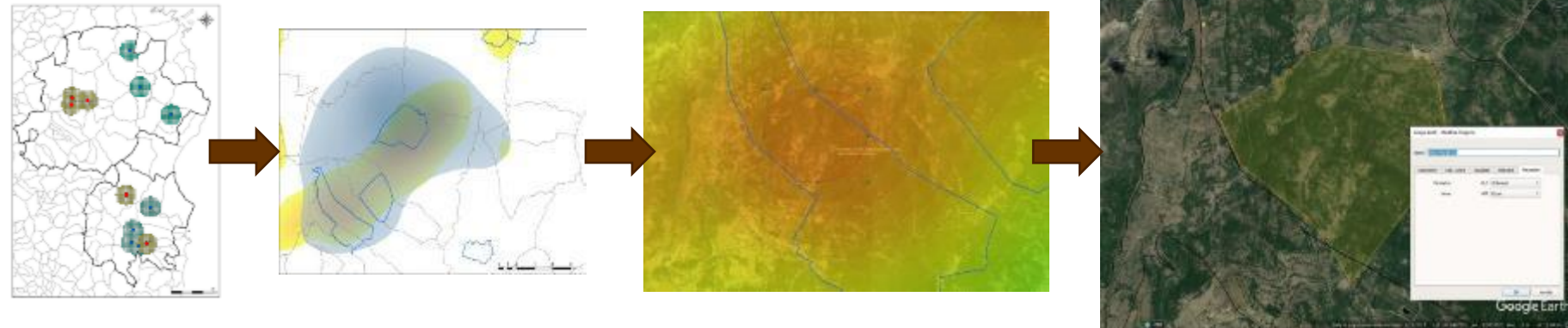
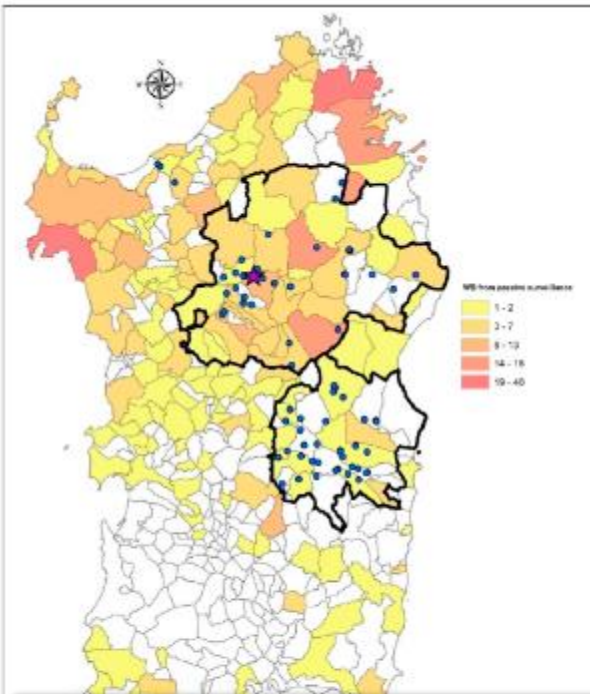


Wild boar		
	Tested	Positives
Carcasses	11	0
Road traffic accident	203	0
Culled	35	0
Total	249	0



# Passive surveillance in wild boars - 2021

New approach based on risk analysis and active search of WB carcasses in high risk areas



Article

## Standardized Methodology for Target Surveillance against African Swine Fever

Stefano Cappai <sup>1</sup>, Sandro Rolesu <sup>1</sup>, Francesco Feliziani <sup>2</sup>, Pietro Desini <sup>3</sup>, Vittorio Guberti <sup>4,\*</sup>

- Planned activities, based on standardized methodology (start September 2021)
- Scientific Research activities carried out by IZS Sardegna (RC IZS 01/20 exit strategy)





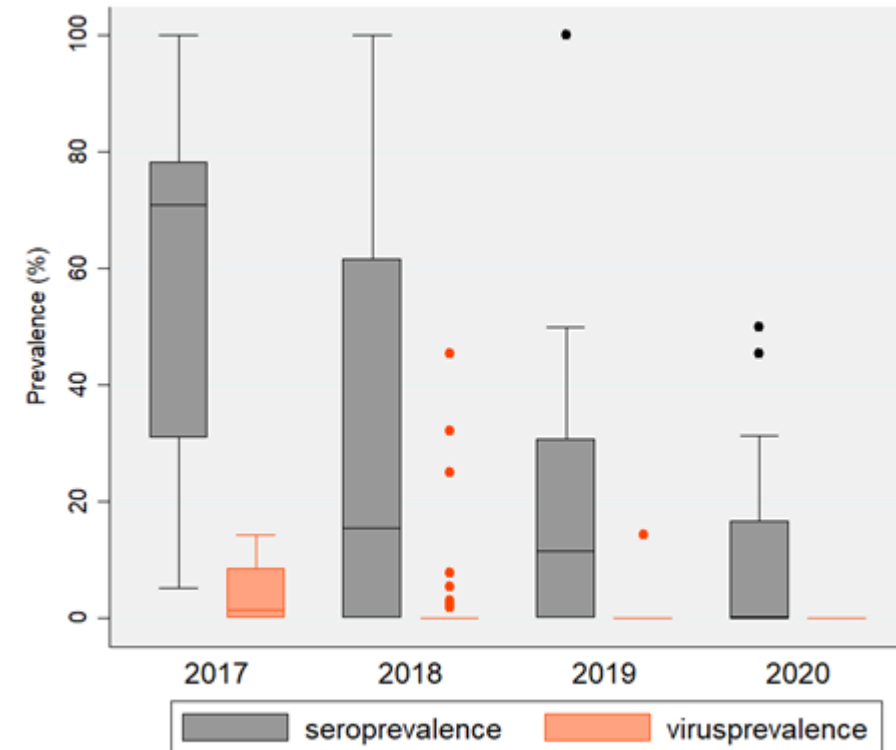
# Programme for depopulation of illegal free-ranging pigs

Year	Culling actions	Culled	Sero tested*	Sero+	Viro tested*	Virus+
2017	8	616	357	221	368	14
2018	47	2722	1480	598	1573	38
2019	31	913	480	71	480	1
2020	13	334	205	25	206	0
2021	Data in progress					

\* > 3 months

- Chance to way out of residual illegality
- Spatially detect the last groups of illegal pigs
- Depopulations activities and ASF test

Significant decrease of ASF prevalence during the last 4 years



## Changes and next steps

The heads of the ASF Project Unit have been changed

- New General Director of IZS Sardegna
- New Scientific responsible of the project (head of the Epidemiological Observatory)



- **Maintenance of illegal feral pigs surveillance**
- **Maintenance of farmed pigs**
- **Strengthening of passive surveillance in WB**
- **Strengthening of active surveillance in WB also through next hunting season (redefinition of risk areas)**

*Thank you for your attention*

