

EPIDEMIOLOGICAL SITUATION OF AFRICAN SWINE FEVER IN REPUBLIC OF NORTH MACEDONIA

FVA-AHWD

23.02.2022

Skopje

Institutions involved in ASF control

- Food and Veterinary Agency
- Private veterinary practitioners, contracted with FVA;
- Faculty of Veterinary Medicine, Skopje-Veterinary Institute;
- Hunting association;
- Association of pig and pork producers;
- Ministry of Agriculture, Forestry and Water Economy;
- Chamber of commerce;

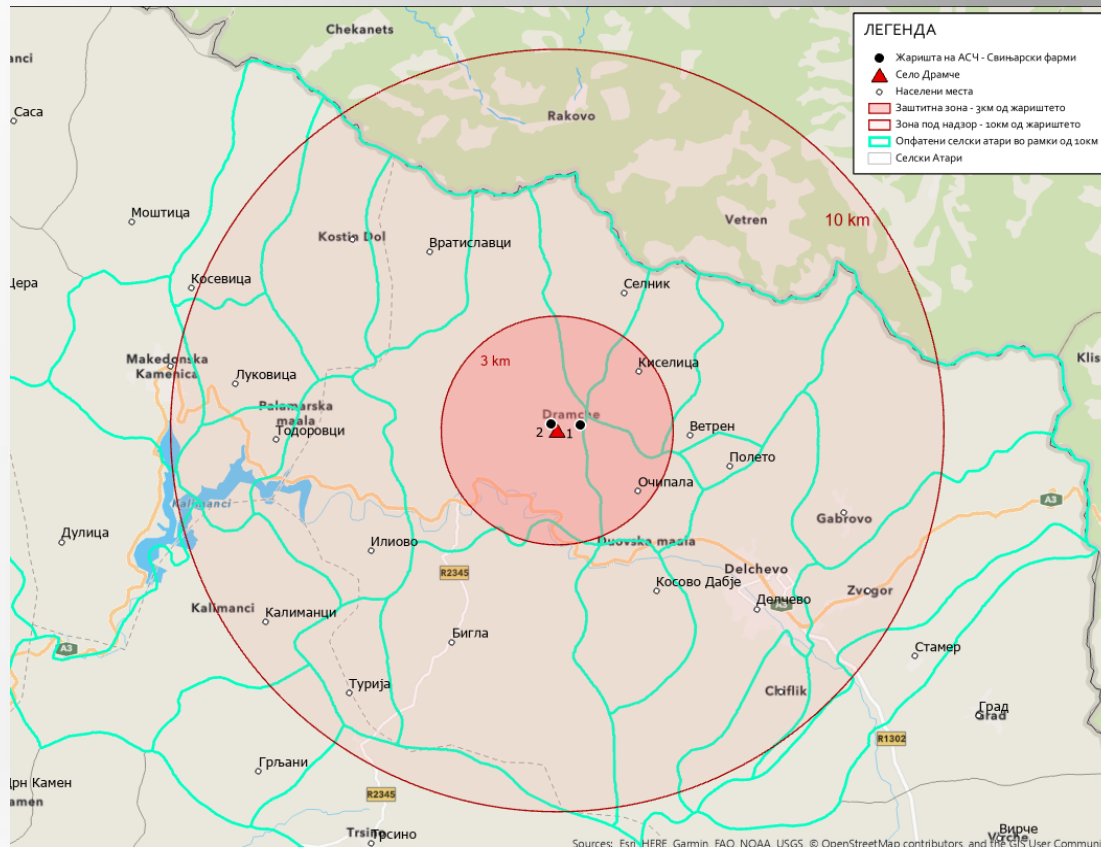
ASF Epidemiological situation/1

- 29.12.2021 first clinical signs observed by the keeper and the first fatalities occurred 02.01.2022 in small backyard pig farm.
- The samples were collected and sent to laboratory on 05.01.2022.
- The positive result was issued on 06.01.2022 (Christmas eve) and alarm was raised.

ASF Epidemiological situation/2

- On 7.01.2022, the Director of FVA has issued a Decision on control and eradication measures and establish 3 km protection and 10 km surveillance zone;
- On 10.01.2022 the NDCC have been activated

ASF outbreak and 3/10km zones



Measures applied in infected holding

- Stamping out of all pig present in holding
- Collection of samples from destroyed animals
- Official disposal of carcasses
- Cleaning and disinfection of infected establishments and
- Conducting epidemiological enquiry in order to determine the cause of the current situation on the farm, time period of entrance of the causative agent, ways of entrance and possible ways of further spread

Measures in 3 km radius outbreak/1

- Census and identification of animals, susceptible or not, which are present in the holding and inventory of products present in the establishment,
- Keeping records on movement on and off the holding or the establishment as specified by the Competent Authority,
- Collection of samples for laboratory tests (PCR),
- Movement restriction of animals susceptible or not, which are present in a holding,
- Movement restriction or control of access of persons and/or vehicles,
- Control and suspension of artificial insemination

Measures in 3 km radius outbreak/2

- Stamping out and safe disposal of animals present on the holdings
- Collection of samples from destroyed animals
- Safe disposal of equipment which can not be disinfected
- Cleaning and disinfection
- Movement restriction or control of access of persons and/or vehicles
- Clinical examination of animal holdings (*Ornithodoros*)
- Ban for livestock markets for pigs
- Ban for keeping of pigs in open holdings

Measures in 10 km radius outbreak/1

- Census and identification of all pig animal holdings, which are present in the holding divided by category without physical entrance in the holdings
- Movement restriction except to the slaughterhouse located in surveillance zone
- Clinical examination prior the slaughter with temperature measurement
- Ban of wild boar hunting in 20 km radius around primary outbreak

Measures applied on country level

- Emergency census and categorization on pig farms with animal health visits (I&R and animal health)
- Ban for livestock markets for concerned species of animals
- Re-assessment of farm categorization based on biosecurity measures implemented

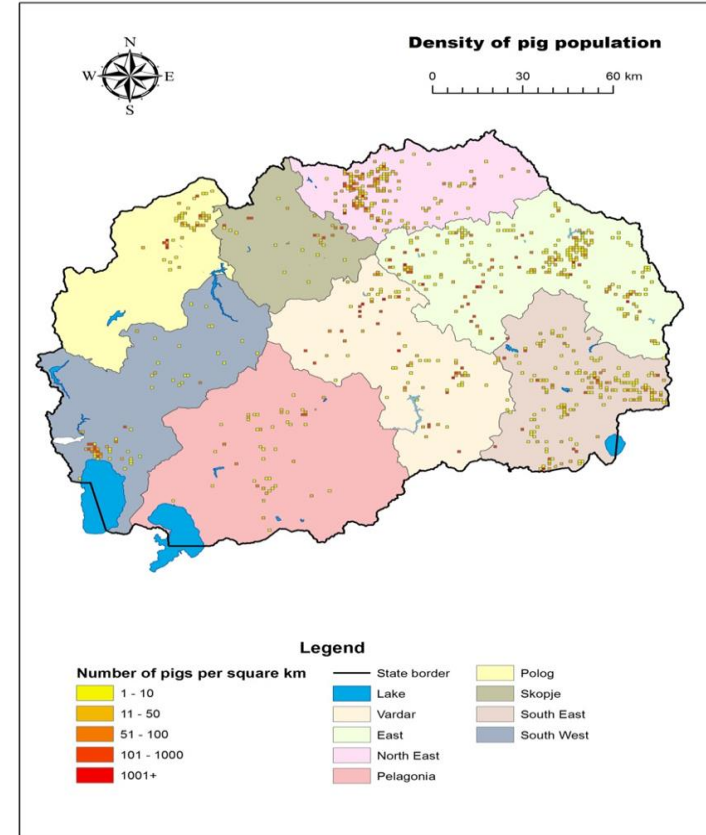
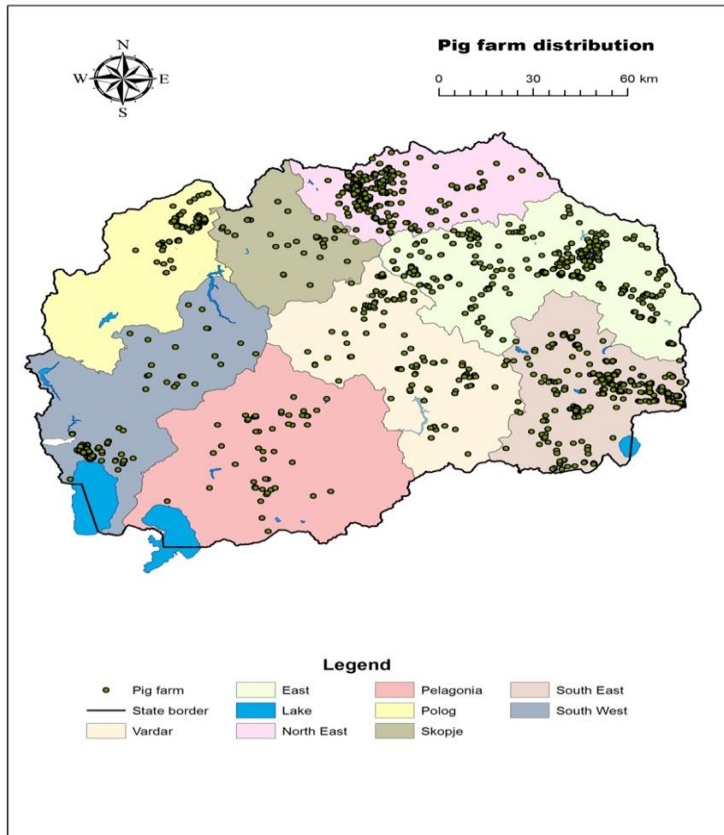
Summary data ASF outbreak in 3 km protection zone

Susceptible animals	Deaths	Killed and disposed of in 3 km	Depopulated pig holdings
275	7	268	45

Summary data ASF outbreak in 10 km surveillance zone

Susceptible animals	Total No of farms	Slaughtered animals	Depopulated pig farms
1018	157	193	29

Domestic pig population in Republic of North Macedonia



ASF SURVEILLANCE

- Serological and virological surveillance

Period	Species	Active surveillance PCR tested performed	Passive surveillance PCR tested performed	Total
01.01 -31.12.2019	Wild Boar	961	0	961
	Domestic pig	0	61	61
	Total	961	61	1022
01.01 -31.12.2020	Wild Boar	1371	6	1377
	Domestic pig	0	705	705
	Total	1371	711	2082
01.01 -31.12.2021	Wild Boar	1505	1	1506
	Domestic pig	0	776	776
	Total	1505	777	1382

Challenges and next steps

- Better co-operation with hunters in order to improve passive surveillance;
- Awareness campaign;
- Digitalization of hunting grounds (maps);
- Improvements of biosecurity measures in hunting grounds;

Thank you for your attention

FVA-AHWD

14.02.2022

Skopje