



REPUBLIC OF SERBIA
Ministry of Agriculture and Forestry and
Water Management
-VETERINARY DIRECTORATE-

AFRICAN SWINE FEVER
IN REPUBLIC OF SERBIA IN 2023

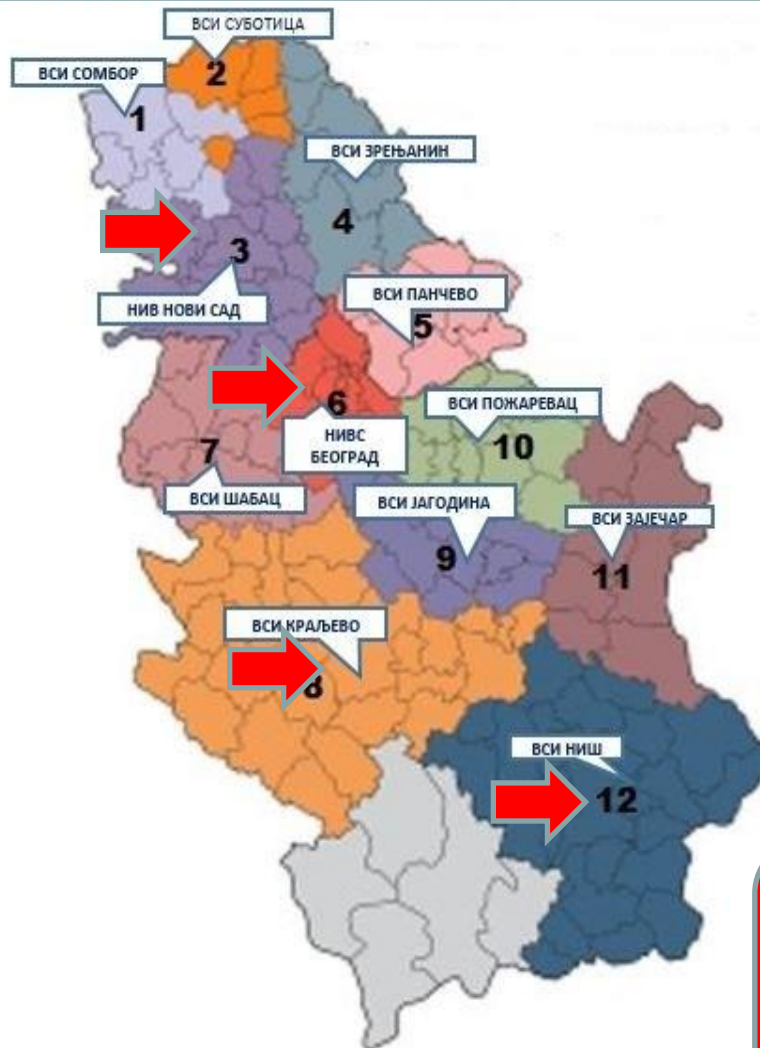
Asst. Dr Miloš Petrović
Acting director



ADMINISTRATIVE DISTRICTS IN SERBIA (25)



EPIZOOTIOLOGICAL AREAS OF SCIENTIFIC AND VETERINARY SPECIALIST INSTITUTES



- Approximately 2,500 veterinarians
- 355 authorized veterinary stations
- 627 veterinary ambulances
- 12 veterinary institutes (10 specialist and 2 scientific institutes)

4 RAPID RESPONSE CENTERS:

- SVI NOVI SAD
- SVI Serbia BELGRADE
- VSI KRALJEVO
- VSI NIS

ASF SITUATION IN EUROPE IN 2022 (ADIS)

A.S.F. in domestic pigs

Disease	Country	N° of outbreaks	Latest Dispatch Date
	Bulgaria	2	28/01/2022
	Germany	3	02/07/2022
	Italy	4	27/09/2022
	Latvia	6	31/08/2022
	Lithuania	16	07/11/2022
	Moldova	14	26/12/2022
	North Macedonia	30	06/12/2022
	Poland	14	07/09/2022
	Romania	329	29/12/2022
	Serbia	107	30/12/2022
	Slovakia	5	27/07/2022
	Ukraine	7	16/12/2022

Total: 537 outbreaks in domestic pigs

ASF.WB

A.S.F. in wild boar

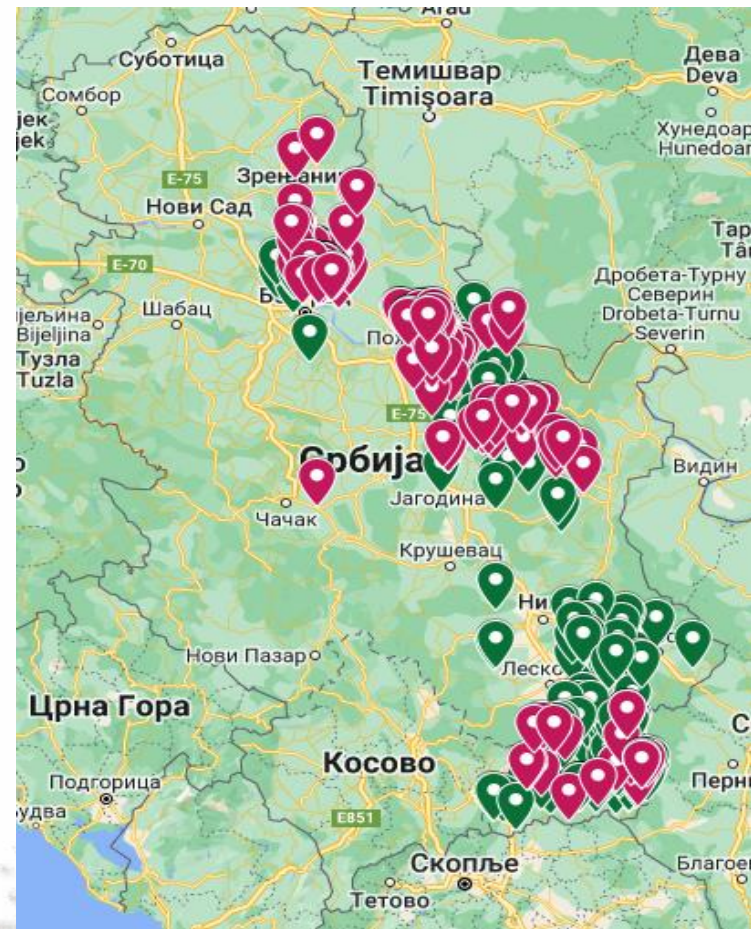
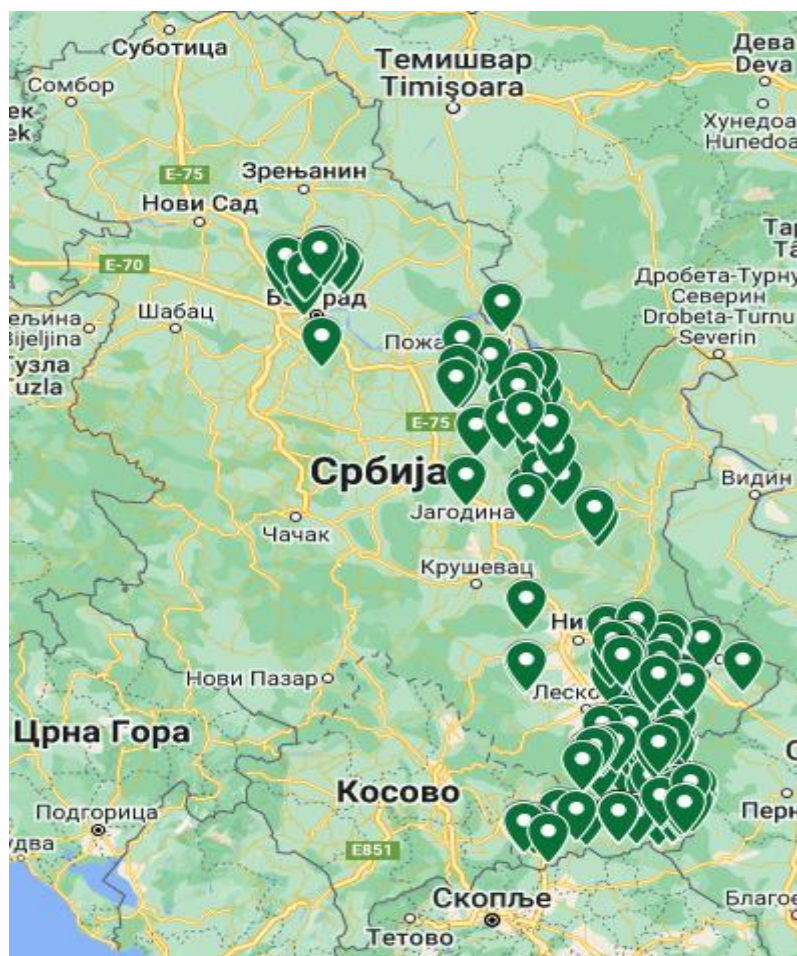
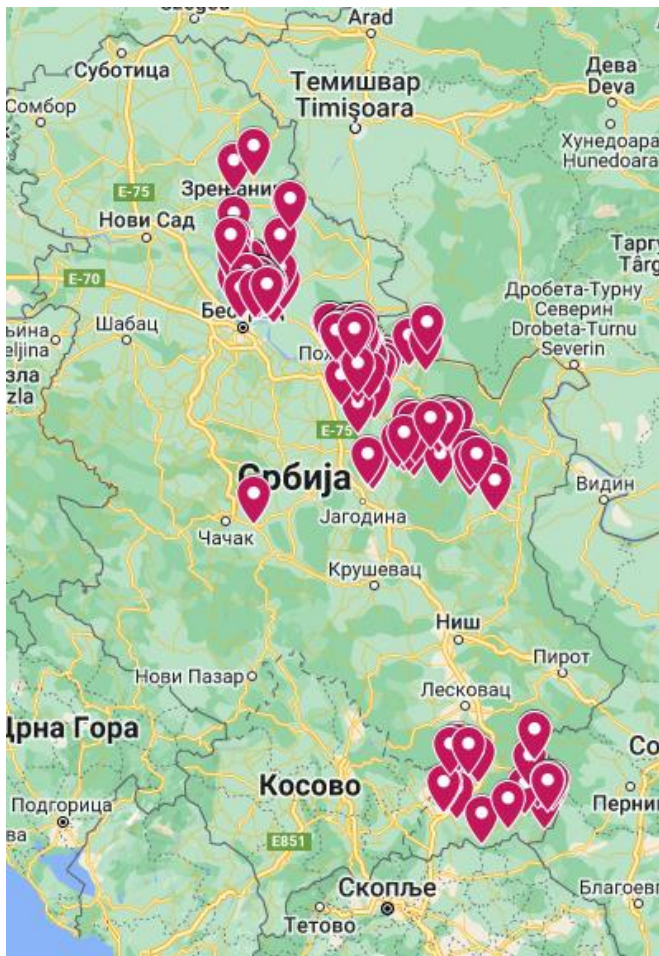
Disease	Country	N° of outbreaks	Latest Dispatch Date
	Bulgaria	387	20/12/2022
	Czech Republic	1	02/12/2022
	Estonia	57	22/12/2022
	Germany	1628	29/12/2022
	Hungary	550	19/12/2022
	Italy	277	31/12/2022
	Latvia	913	30/12/2022
	Lithuania	302	20/12/2022
	Moldova	3	15/08/2022
	North Macedonia	9	25/11/2022
	Poland	2152	30/12/2022
	Romania	465	28/12/2022
	Serbia	146	30/12/2022
	Slovakia	550	22/12/2022
	Ukraine	2	02/02/2022

Total: 7442

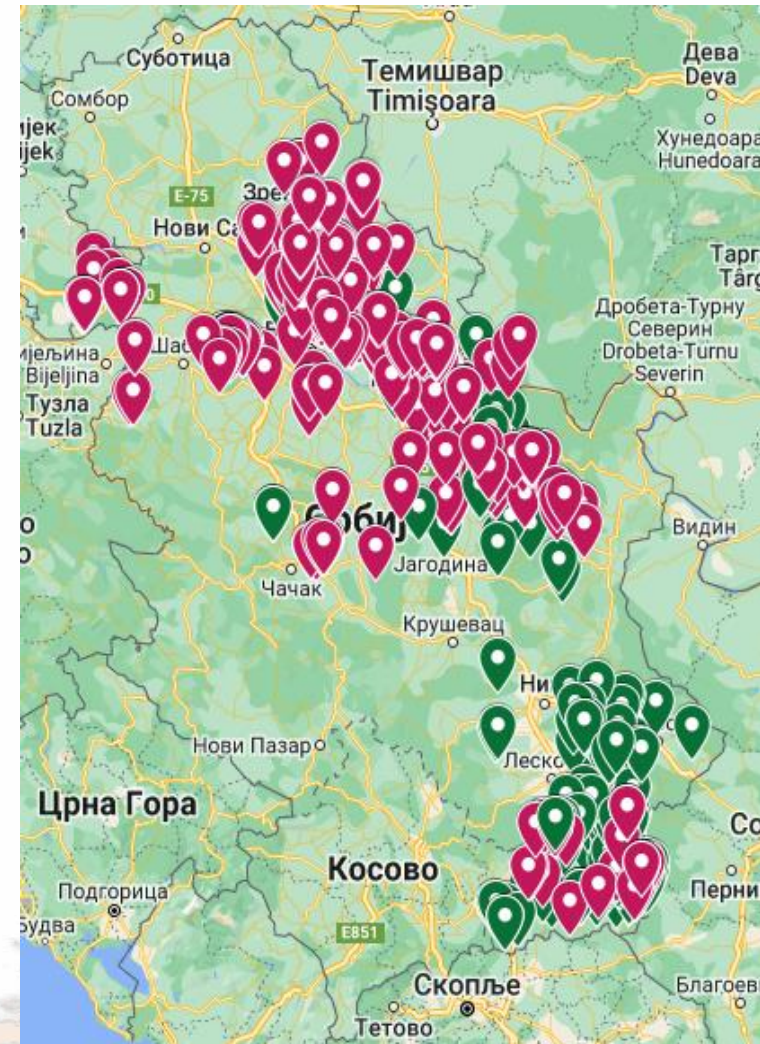
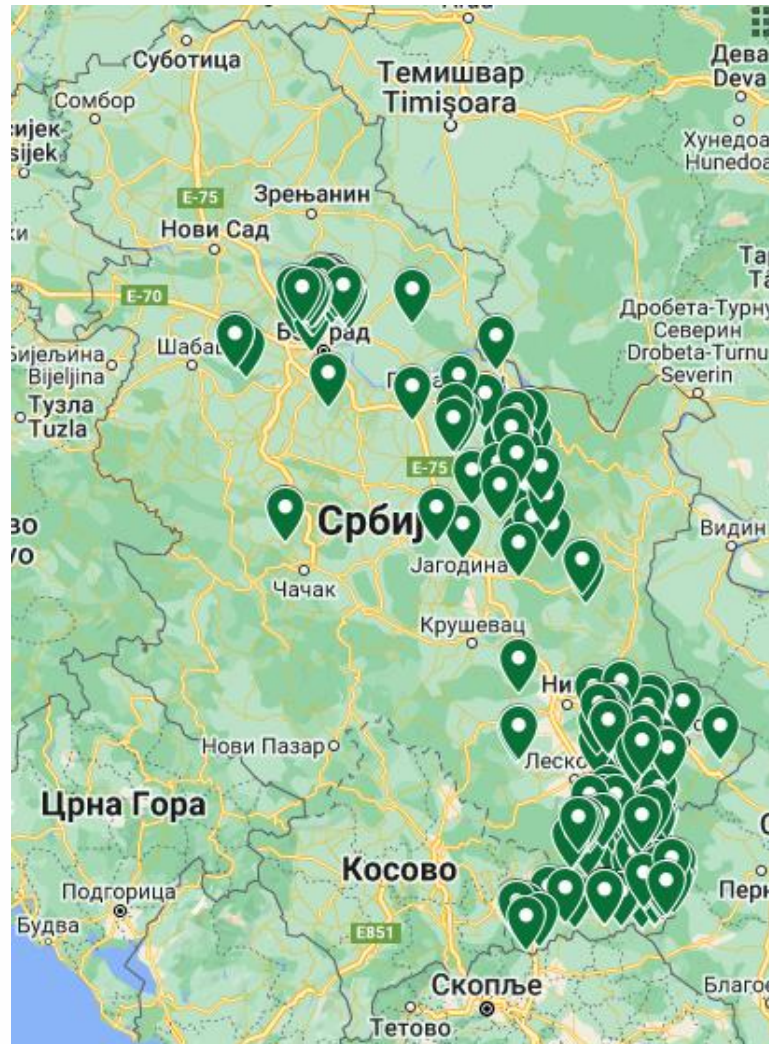
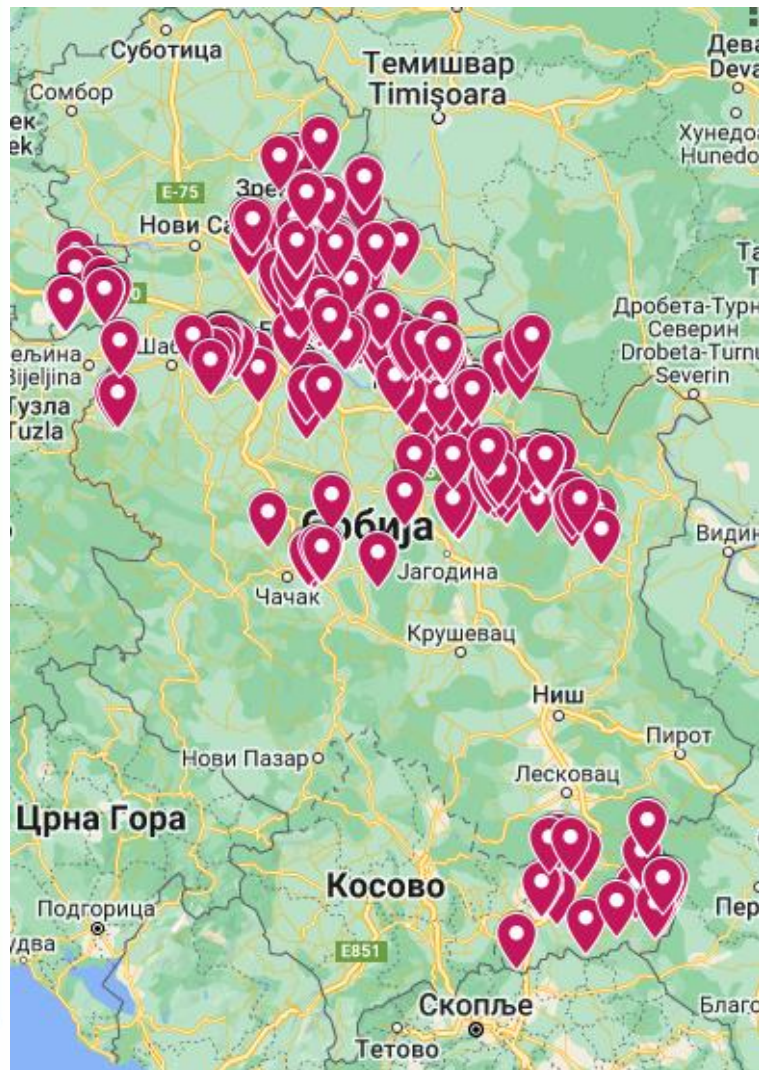
Total: 7442 outbreaks in WB population



ASF IN SERBIA (first half of 2023)

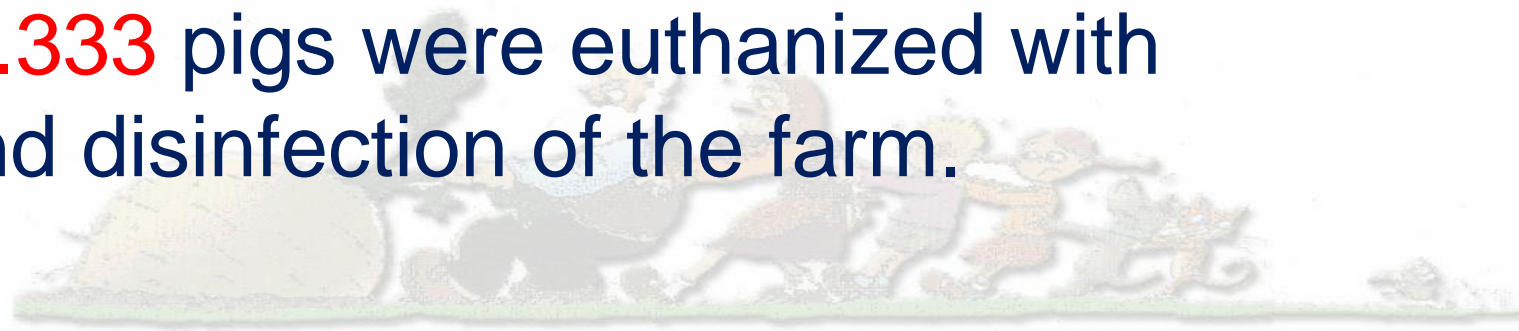


ASF IN SERBIA current situation



ASF IN SERBIA DOMESTIC PIGS current situation (*until 30.08.2023*)

- **2,376 ASF cases** were confirmed in a **2.047 holdings**
- affected territory of 45 municipalities, in 14 administrative districts (Pčinjski, Braničevski, Pomoravski, Podunavski, Moravički, Južnobanatski, Borski, Srednjebanatski, Zaječarski, Sremski, Šumadijski, Južnobački, Mačvanski and the City of Belgrade)
- **2,496 dead pigs** in these 2.047 holdings
- In infected farms, **35.333** pigs were euthanized with harmless removal and disinfection of the farm.



ASF IN SERBIA IN WB POPULATION IN 2023

- ASF was confirmed in 357 wild boars in the territory of 25 municipalities in 8 administrative districts.

ASF IN WB POPULATION (25.8.2023.)

DISTRICT	MUNICIPALITY	SATTLEMENT	HUNTING GROUND	No. the location where the dead wild boars were found	No. the location where the wild boars were found	No. positive dead wild boars	No. positive dead wild boars	No. total number of positive wild boars	No. total number of wild boars examined (positive and negative)
	25	127	36	206	83	273	94	357	412



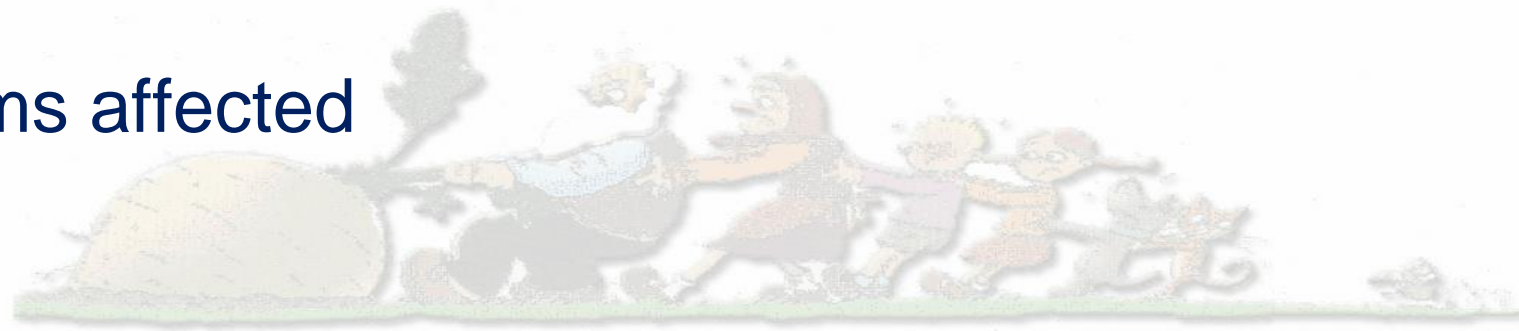
MAIN CHARACTERISTICS OF ASF IN 2023

- **1st quarter:**

- virus persistency in the eastern and southeast parts of the country as in the previous period with the tendency of calming down

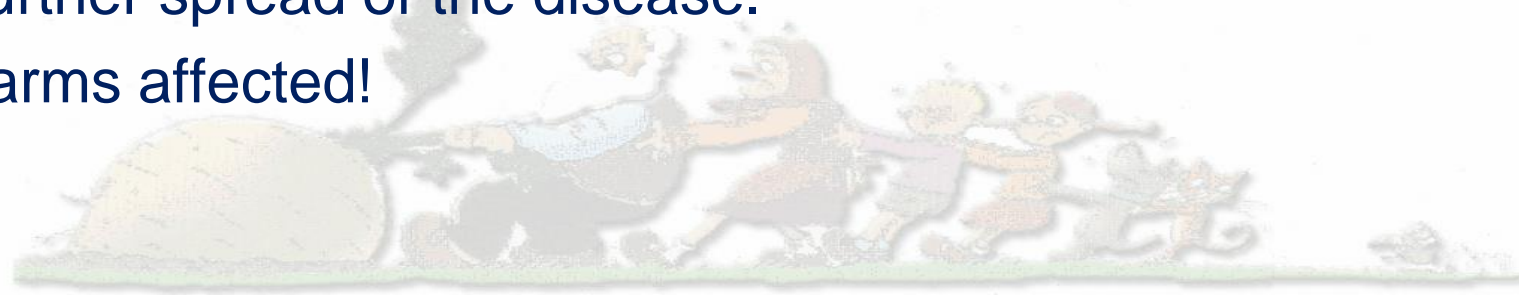
- **2nd quarter 2023:**

- escalation of focus in Braničevski district, appearance in South Banat district and area of the City of Belgrade (wooded area and the banks of the Danube and Tamish rivers)
- the appearance of focus in the Moravički district (Mrčajevci), human factor!
- some commercial farms affected



MAIN CHARACTERISTICS OF ASF IN 2023

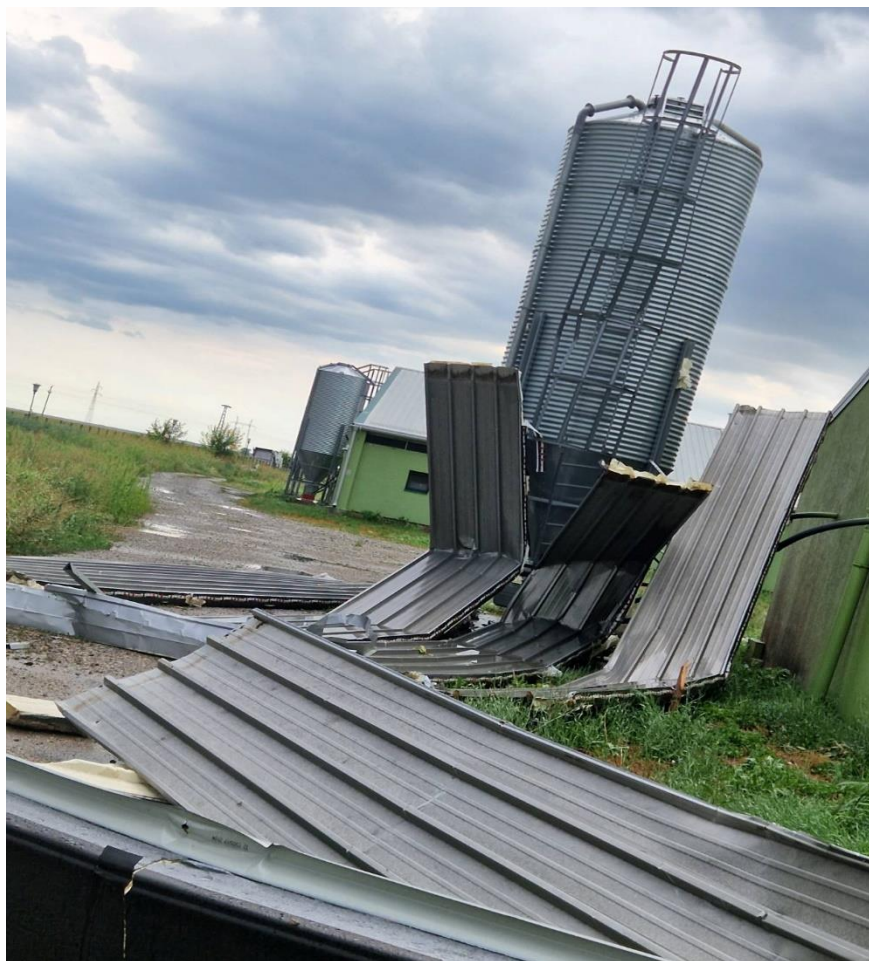
- 3rd quarter:
 - escalation of the outbreaks in the South Banat district (area nearby Pančevo), spread to the Middle Banat district, affected large farms, spreading in the South Bačka district, Srem and Mačva districts ((wooded area and the banks of the Sava and Danube rivers)
 - appearance of ASF in Republic of Srpska and Croatia close to Serbian border.
 - ASF outbreaks along the banks of the Danube, Tamish, Sava rivers due to a large population of wild boars, the persistence of the virus in inaccessible areas near the rivers, the transmission of the virus from the wild boar population to the domestic pig population
 - depopulation of pigs in certain places (Sečanj, Morovič Mamena...) as a measure to prevent the further spread of the disease.
 - some large commercial farms affected!



PREDISPOSING FACTS: Floods

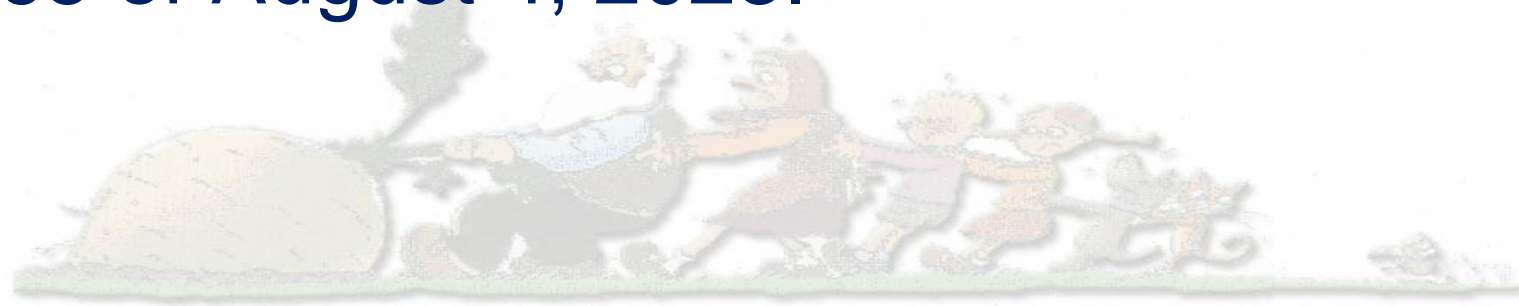


PREDISPOSING FACTS: Storms



Activities undertaken

- National Crisis Center as well as Regional and Local Crisis Centers in the extended composition were formed
- Frequent meetings of the expert group
- An Operational Headquarters for the ASF at the level of the Government of the RS was formed
- Order on amendments and additions to the Order on taking measures regarding the AKS, which was published in the Official Gazette No. 65 of August 4, 2023.



Activities undertaken

- In accordance with the conclusions of the Operational Headquarters, the police and the army were engaged in the control of illegal animal traffic and other Legal measures
- A state of emergency was introduced due to the emergence of ASF in the municipalities of Pančevo, Opovo, Kovin and Požarevac
- Local Municipalities undertakes measures within its competences
- Rendering plants („Energozelena“ and „Napredak“ Ćuprija) were engaged for the purpose of harmless removal and destruction of carcasses of dead/euthanized pigs from ASF



Activities undertaken

- Support of EU through Project:
 - “Capacity building of veterinary and plant health services in the Western Balkans - Lot 1 - Animal Health” - **ADEWB II**, SANTE/2022/EA-OP/0001
 - 3rd Western Balkan CVO Forum for Communication and Cooperation (Budva-Montenegro, 16-17 January 2023)
 - 2nd ADEWB II Project Steering Committee meeting, and 4th WB CVO Forum for Communication and Cooperation, held in Niš, Serbia, 22-23 June 2023.
 - preparation of surveillance programmes for African swine fever (ASF) and classical swine fever (CSF) (2. june, Belgrade) - **ADEWB II**,
 - International conference for ASF, 11. august , 2023, Banja Luka Republic of Srpska



INFORMATION AVAILABLE ON THE OFFICIAL WEB SITE

<https://www.vet.minpolj.gov.rs/zarazne-bolesti-zivotinja/africka-kuga-svinja-aktuelne-informacije/>



Република Србија
Министарство пољопривреде,
шумарства и водопривреде
Управа за ветерину

НАСЛОВНА ПРОЈЕКТИ НОВОСТИ ДОКУМЕНТИ РЕГИСТРИ КОНТАКТ ПРОГРАМИ

Афричка куга свиња актуелне информације

Почетна / Заразне болести животиња / Афричка куга свиња актуелне информације

Списак решења о проглашењу зараженог и угроженог подручја од АКС – 2023 година



Мере које се спроводе на зараженом и угроженом подручју приликом проглашења појаве афричке куге свиња код домаћих свиња (форма решења)



Мере које се спроводе на зараженом (инфицираном) подручју и подручју високог ризика (заштитно подручје интензивног лова) код појаве афричке куге свиња код дивљих свиња (форма решења)



<https://www.vet.minpolj.gov.rs>

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Activities undertaken

- Depopulation of the backyard holdings and the commercial farms is an effective measure to reduce the consequences in infected and restricted zones

SLAUGHTERED DOMESTIC PIGS FROM INFECTED AND RESTRICTED ZONE

			Farms where pigs were slaughtered			Farms from which the pigs were sent to be		
DISTRICT	MUNICIPALITY	SATTELEMENT	Number of farms where pigs were slaughtered	Number of pigs slaughtered (total)	Number of diagnostically examined pigs (PCR)	The number of farms from which pigs were sent to be slaughtered in the	Number of pigs slaughtered at the slaughterhouse	Number of diagnostically examined pigs (PCR)
9	26	236	2235	5581	5587	200	25440	8871

THE PLAN ON AFRICAN SWINE FEVER (ASF) SURVEILLANCE AND DIAGNOSTIC TESTS IN DOMESTIC PIGS IN THE REPUBLIC OF SERBIA IS ONGOING:

- **SURVEILLANCE AND TARGET ANIMALS**
 - 1. Visiting farms/holdings, determining the health status of pigs and completing the Questionnaire;**
 - 2. Sampling and**
 - 3. Diagnostic examination for the presence of the African swine fever virus genome.**
- The target group for testing for African swine fever virus includes domestic pigs older than 2 months, or any other category in case no pigs older than 2 months are present at the farms/households.
- ASF surveillance program is carried out by veterinary institutes and veterinary stations/services which are under the Animal Health Measures Program.



Conducting of Surveillance Plan

Surveillance Plan was carried out by veterinary stations / services that carry out activities under the Program of Animal Health Protection Measures and veterinary institutes.

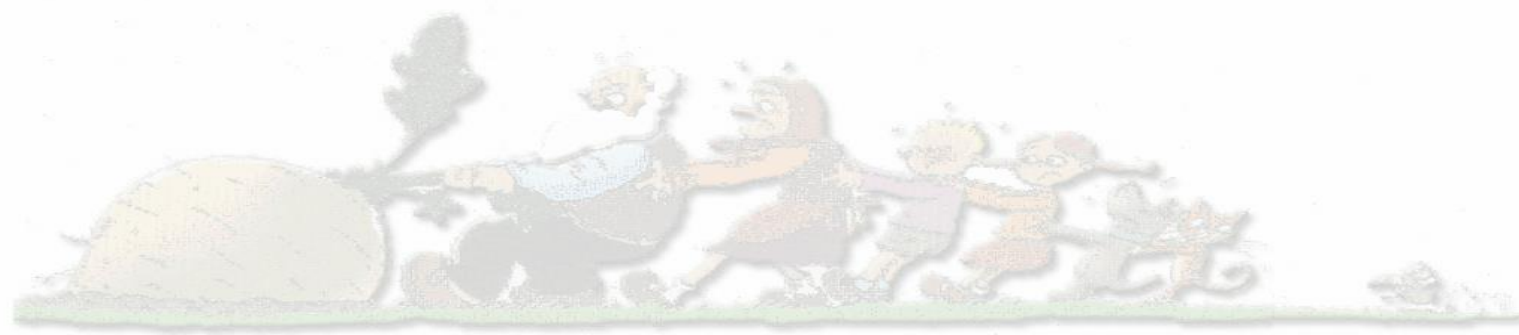
Surveillance plan includes:

- Visiting farms, determining the health status of pigs and filling in the Record of active surveillance of classical and African swine fever;
- Sampling;
- Diagnostic testing for the presence of African and classical swine fever virus genomes and serological testing for the presence of antibodies to classical swine fever virus;
- Data entry into the Central Database in a special application.



PASSIVE SURVEILLANCE

- Besides the visits accordance with this plan (active surveillance), veterinary stations go to the field and perform sampling for each reported death of gilts, sows and boars, or each pig in case of reasonable suspicion of ACS / CCS (passive surveillance).
- In case of suspicion or confirmation of an infectious disease, ie a disease that is obligatory for reporting, veterinary organizations report suspicion / confirmation in accordance with a special regulation.



CONCLUSION

- **Preparedness for a quick response** is crucial and must be based on real available resources
- **The strategic plan at the central and local levels** must be envisaged in accordance with the identified priorities
- **Cooperation and coordination with state bodies** and local institutions and public organizations and institutions
- **Financial and organizational support (efficient compensation)**
- **Regional cooperation** and timely exchange of information



CHALLENGES

- Presence of ASF virus in domestic pigs (districts with huge pig density !!!)
- Early detection and rapid response
- Presence of ASF virus in WB population,
- PASSIVE surveillance
- Preparedness at the local level
- Pathways of spread, human factor

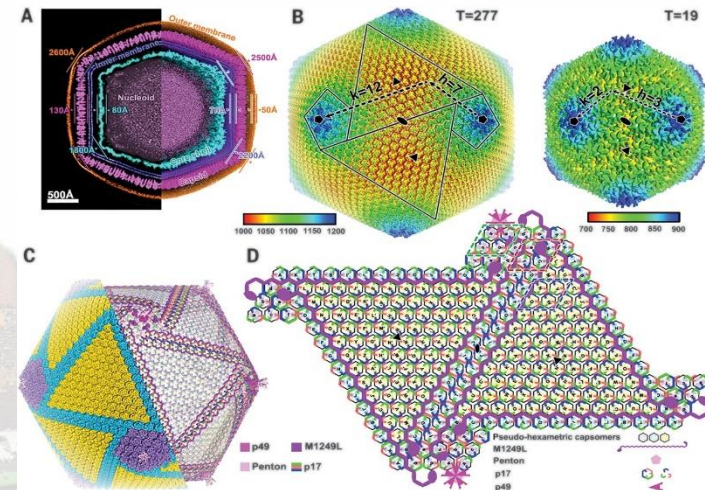
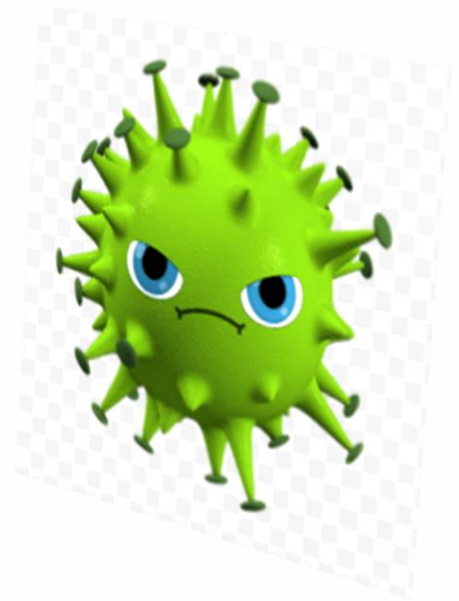


CHALLENGES

- Harmless removal of corpses
- Low level of biosecurity on rural farms
- High risk of virus ingestion on commercial farms
- Available Financial and human resources
- Improving of IT sector in ASF collecting data (software, mobile app...)
- Continuous awareness campaign
- Support from EU commission (equipment /field and laboratory), diagnostics, financial, projects / ADEWB II good example)



POSSIBLE SCENARIO





**THANK YOU FOR
YOUR ATTENTION**

