



REPUBLIC OF BULGARIA
MINISTRY OF AGRICULTURE, FOOD AND FORESTRY
BULGARIAN FOOD SAFETY AGENCY

AVIAN INFLUENCE SITUATION IN BULGARIA

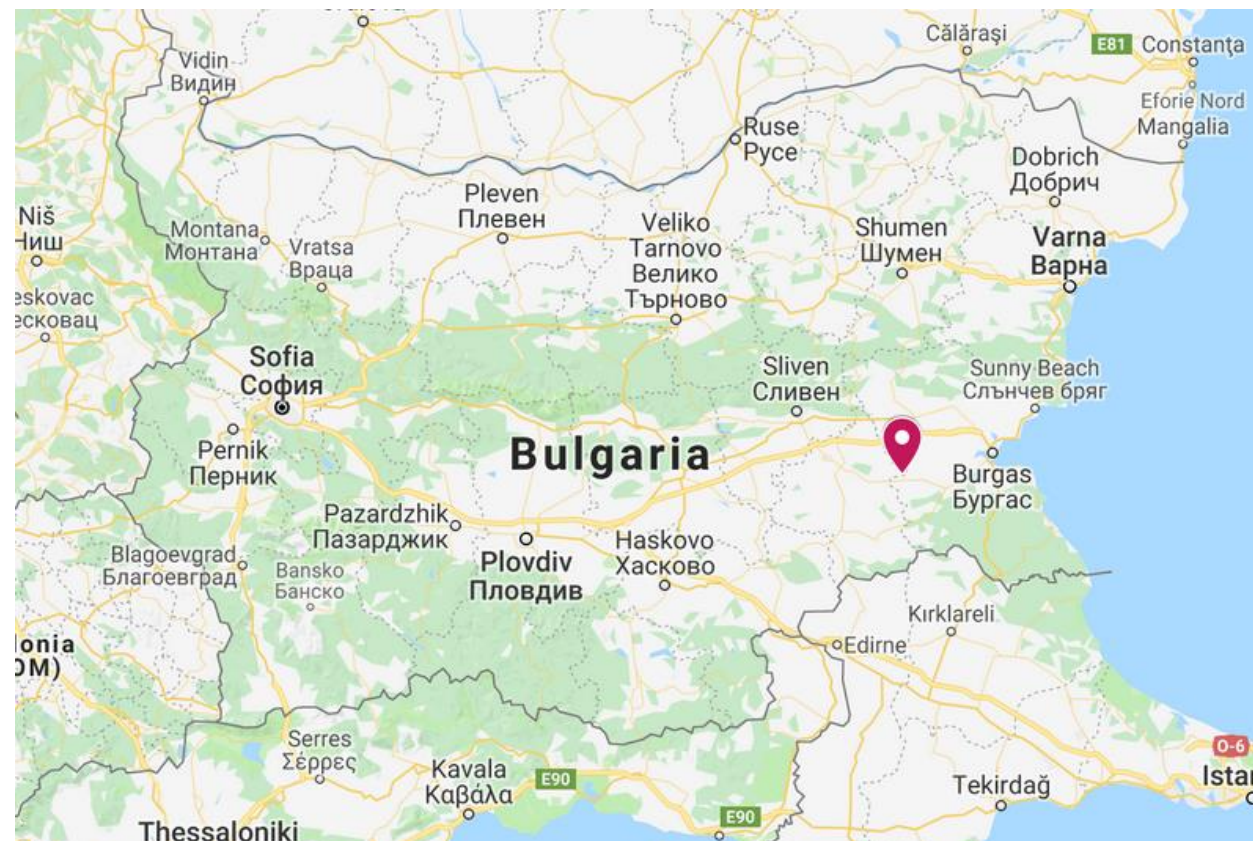
11.12.2018, PAFF





UPDATE OF THE HPAI (H5N8) SITUATION, since last PAFF, November 2018

- 1 HPAI H5N8 outbreak in backyard poultry (ADNS 2018/27)
- Confirmation on 22/11/2018 within passive surveillance;
- Clinical signs – higher mortality reported (33 layers from 50 in total);
- Possible source – environment (outdoor reared poultry);
- Culling and disinfection 23-25/11/2018;
- 3 km protective and 10 km surveillance zone – no commercial poultry holdings





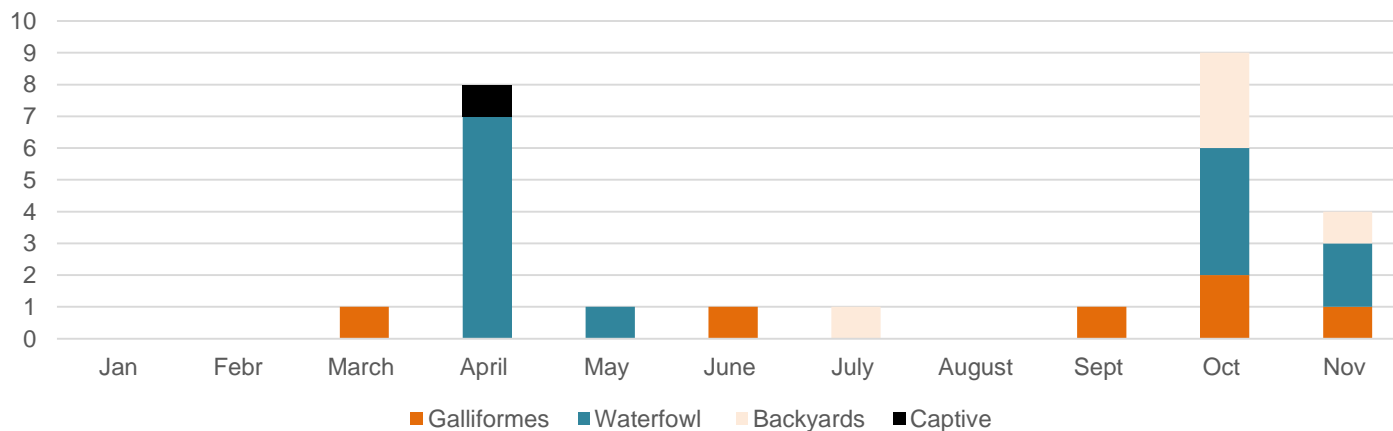
OVERVIEW OF THE HPAI (H5N8) SITUATION (1)



HPAI H5N8 outbreaks, 2018



HPAI H5N8 per poultry category



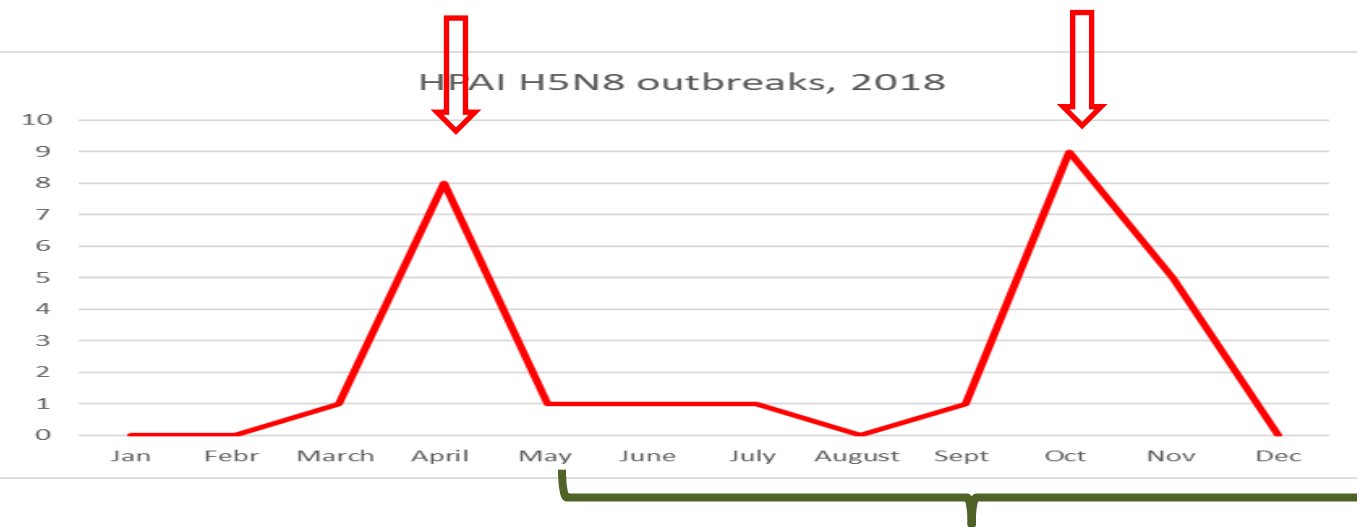
- **27 H5N8 outbreaks** in poultry
- More than 1 037 998 poultry affected
 - 6 in Galliformes – 5 laying hens farms, 1 broiler;
 - 14 in Waterfowl farms (one pekin duck farm)
 - 6 backyard mixed species
 - 1 captive poultry

- **5 regions affected**, the same as previous year
- **Primary outbreaks only**
- **Risk period** – April and Oct-Nov (peak of outbreak)
- **Risk areas** – middle part of country
- **No wild birds** mortality reported in the risk areas



OVERVIEW OF THE HPAI (H5N8) SITUATION (2)

Enhanced active surveillance due to epi situation in the country



serological sampling + pre-movement testing

Sampling programme (used for detection of outbreaks)				
	Waterfowl	Galliformes	Backyards	Captive
Surveillance active related to outbreak	7	0	0	0
Surveillance active related to epi situation in the country	5			
Surveillance passive	2	6	6	1

- 50% of the outbreaks detected within the active surveillance due to epi situation or related to outbreaks (85% in outbreaks in duck)



Enhanced active surveillance due to epi situation in the country

- Serological sampling – 17% duck farm positive (135 out of 201 duck farms tested, 25 farms Ab positive for H5N8 (negative for HPAI Vi), 6 of them were HPAI outbreaks in previous year)
- Virological sampling – 9,9% duck farm positive (all 51 force feeding farms tested, 5 PCR positive for H5N8)



MEASURES TAKEN TO COMBAT HPAI (H5N8)

- Enhanced laboratory surveillance in each farm with domestic poultry :
 - serological sampling (every 2 months)
 - virological pre-movement sampling in duck farms in high risk area.

- Repopulation of previous infected farm (Vi and Ab positive) is allowed, as:
 - following the provisions of Article 49 of Directive 2005/94/EC
 - after lifting the restriction zones
 - repopulation with sentinels 21 days

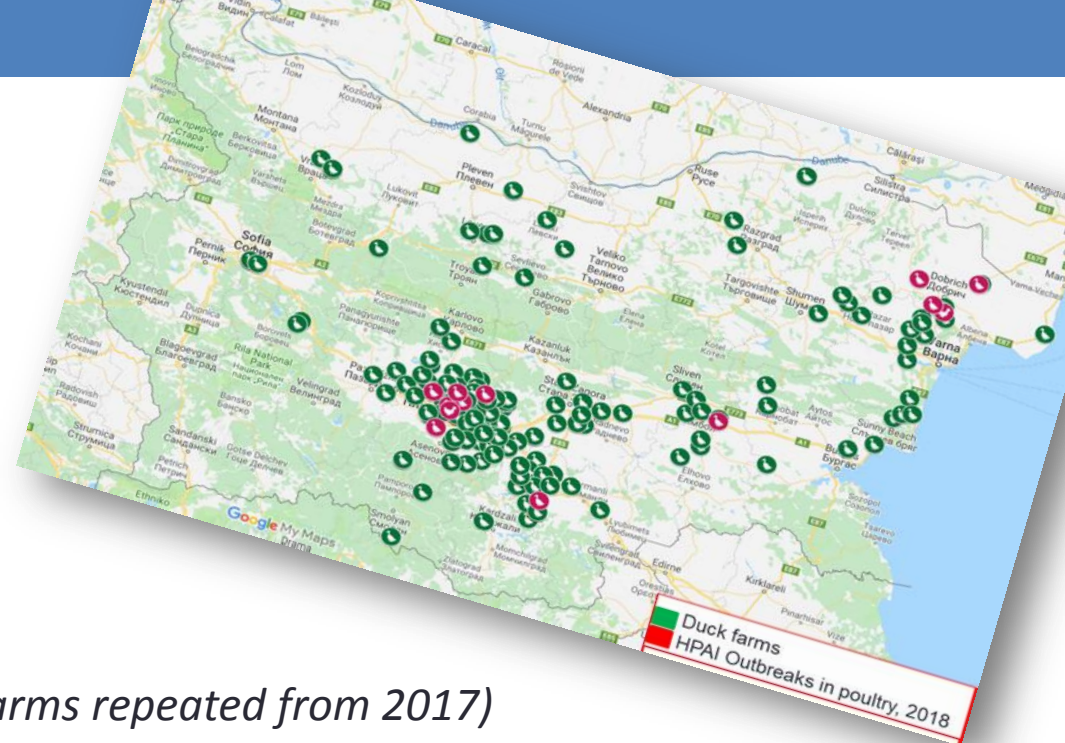
- Poultry positive for Ab against HPAI (negative for HPAI Vi) are sent for immediate slaughtering (aiming at avoiding the presence of poultry population of HPAI Ab positive);

- 6 months break from operation in the farms where HPAI outbreaks were confirmed more than twice time within 12 months (6 months ban for repopulation)

- No derogation for trade and poultry movement within the protection and surveillance zones is allowed (derogations in line with the Directive);



CONCLUSIONS



➤ Persistence of HPAI Vi infection in 2018

- 5,5 % (out from 253) of duck farms confirmed as HPAI outbreaks (3 duck farms repeated from 2017)

- 3,3 % (out from 150) of layer farms confirmed as HPAI outbreaks (1 farm repeated from 2017)

➤ Biosecurity breaches in the farm; and during transport – duck production cycle depends on the long distance transport between different holdings (more than 20% of duck farms); high density of poultry farms in a region;

➤ No positive wild birds (77 dead birds found throughout the country tested negative for AI);

➤ Absence of clinical signs in HPAI affected duck farms;

➤ Passive surveillance not enough to detect AI infection in Waterfowl;

➤ Enhanced active surveillance to be continued



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Thank you for the attention!



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