

HPAI situation in Slovakia

January - February 2023

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Head of Unit – Animal health and welfare

State Veterinary and Food Administration of the Slovak Republic

PAFF committee, Brussels - February 2023

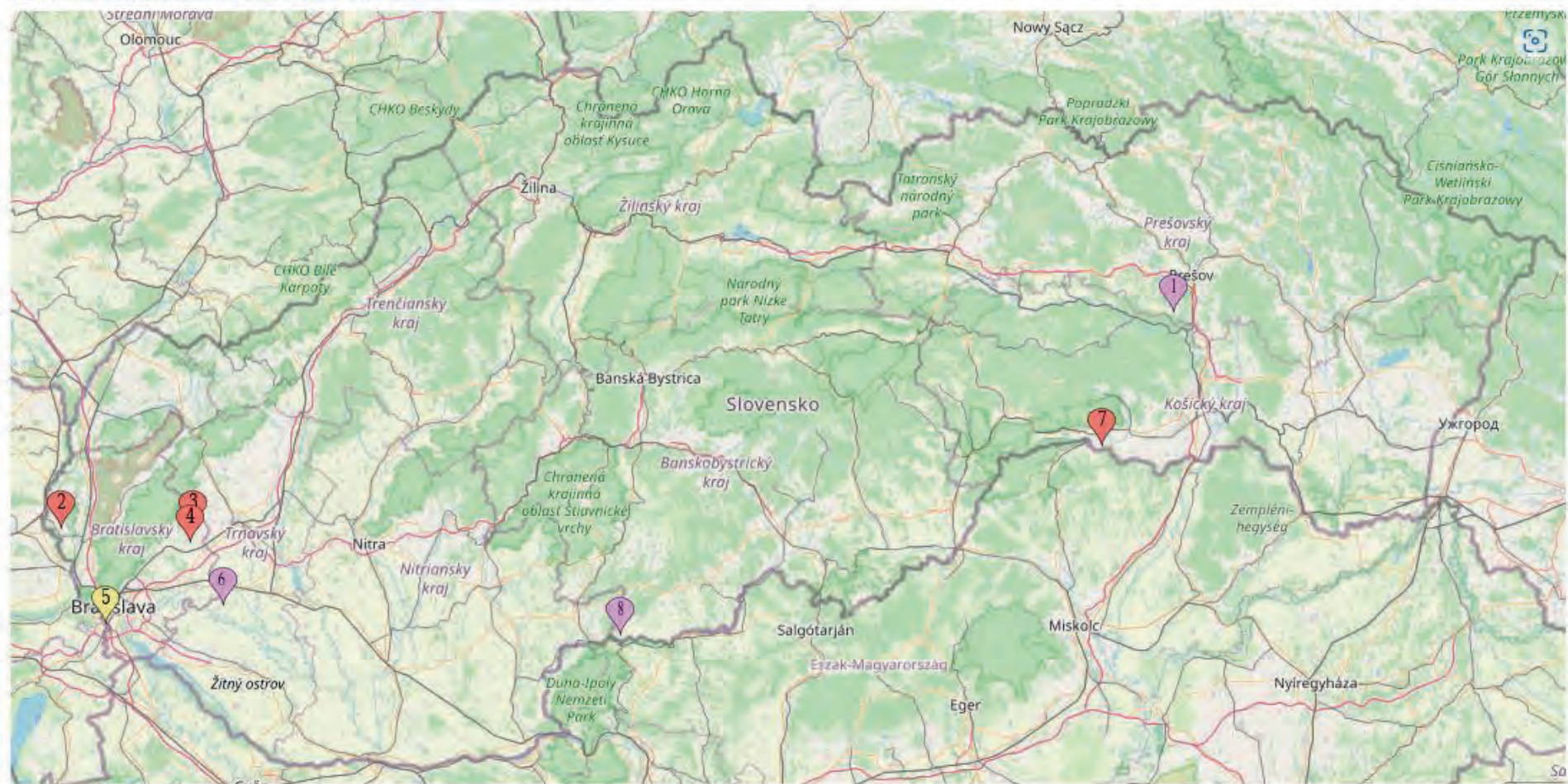


Occurrence of HPAI in Slovakia

- season 2022/2023 – HPAI H5N1

- ▶ Wild birds
 - ▶ 4 cases (swans)
- ▶ Poultry
 - ▶ 2 backyard flocks (Prešov and Levice district)
 - ▶ 1 commercial farm (Galanta district)
- ▶ Captive birds
 - ▶ 1 outbreak – ZOO Bratislava

Aviárna Influenza v SR- ROK 2023



1. Obec Bzenov, súkromný chovateľ hydiny, confirmácia: 17.1.2023, v chove 25 kusov hydiny, predbežné čistenie a dezinfekcia: 18.1.2023, ohnisko SK-HPAI(P)-2023-00001, GPS: 48.95; 21.17
2. Voľne žijúce vtáctvo: Obec Jakubov - labuť veľká – vystavenie protokolu dňa 23.01.2023 (genotypizácia H5N1) GPS: 48.40,16.91
3. Voľne žijúce vtáctvo: Lokalita obce Doľany, - potvrdenie choroby – 26.01.2023- labuť veľká ; GPS 48.401575, 17.411294
4. Voľne žijúce vtáctvo: Lokalita obce Budmerice, okr. Pezinok , 26.01.2023- labuť veľká ; GPS 48.364282, 17.404780
5. Vtáky držané v zajatí, ZOO Bratislava, hus domáca , 26.1.2023, GPS: 48.156684, 17.075687
6. Komerčný chov hydiny : farma Lúčny dvor, GPS : 48.201; 17.526, v chove 5665 kusov hydiny, depulácia ohniska 02.02.2023, úradná vzorka potvrdná: 31.1.2023
7. Voľne žijúce vtáctvo: lokalita Turňa nad Bodvou, okr. Košice- okolie- labuť veľká, vystavenie protokolu: 31.1.2023, GPS 48.610, 20.895
8. Súkromný chovateľ hydiny: obec Ipeľské Úľany, okr. Levice, potvrdenie nákazy: 31.1.2023, v chove 50 kusov hydiny, depulácia ohniska 31.1.2023 , GPS: 48.126, 19.050

HPAI in Slovakia – wild birds – H5N1

- ▶ Wild birds – 4 cases
- ▶ Senec district (western part of Slovakia)
 - ▶ Jakubov 23.1. – swan SK-HPAI (NON-P) 2023-00001
 - ▶ Dolany 26.1. - swan SK-HPAI (NON-P) 2023-00004
 - ▶ Budmerice 26.1. – swan SK-HPAI (NON-P) 2023-00003
- ▶ Košice – okolie district (eastern part of Slovakia)
 - ▶ Turňa na Bodvou 31.1. – swan SK-HPAI (NON-P) 2023-00005
- ▶ Infected zone – up to 3 km
 - ▶ ↑ **monitoring** of wild birds
 - ▶ Biosecurity (kept birds) – keeping the kept birds in the interior premises if possible, avoiding the contact with wild birds, disinfection after contact with wild birds, information for the citizens in villages within the zones, movements of the kept birds or products – previous notice to the DVFA, immediate reporting of the suspicion of the disease in the kept birds to the DVFA



HPAI in Slovakia – backyard flock No. 1

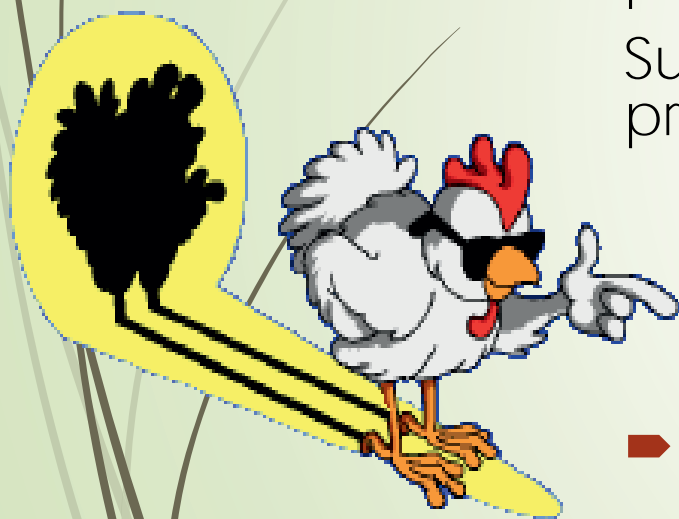
- ▶ 1st outbreak in the winter season 2022/2023

ADIS refference – SK-HPAI(P)-2023-00001

small backyard flock - village Bzenov (Prešov district, eastern part of Slovakia)

Suspicion (after 10 hens in the flock died suddenly without previous visible clinical signs)

- ▶ on 12.1.2023
- ▶ official samples taken (sent to the NRL for AI – VI Zvolen)
- ▶ **Confirmation** - on 17.1.2023 HPAI subtype H5N1
- ▶ *Gallus gallus* – 23 laying hens – all of the hens died up to the date of the confirmation
- ▶ 2 ducks have been killed on the spot
- ▶ Preliminary C and D – 18.1.2023





LP: Pa-h: 3-4/2023 Vh: 25-26/2023	Bzenov 151 082 42 Bzenov Chov: domáci
Prijatý materiál	Odosielateľ
Druh zvierat'a / vzorka: Kura domáca - nosnica: kadáver	Regionálna veterinárna a potravinová správa Levočská 112 080 01 Prešov UVL Fedorko Vladimír, MVDr. č.o.: 704003
Počet vzoriek: 2	Číslo žiadanky: 1/704003/2023
Dôvod vyšetrenia: podozrenie na nákazu	Vzorku odobral: Fedorko Vladimír, MVDr.
	Dátum odberu: 12.01.2023
	Dátum vystavenia žiadanky: 12.01.2023
	Spôsob platby: ŠVPS SR
Anamnéza: Hromadný úhyn 10 z 23 ks.	
Dátum,čas prijatia vzorky: 13.01.2023 18:00	Spôsob doručenia vzorky: zvoznou linkou
Dát.,čas oznámenia výsl.CP: 17.01.2023 08:36	Spôsob oznámenia výsl. CP: e-mail
Dátum vystavenia protokolu: 17.01.2023	Protokol dostane: RVPS PO, ŠVPS SR

Výsledky vyšetrení

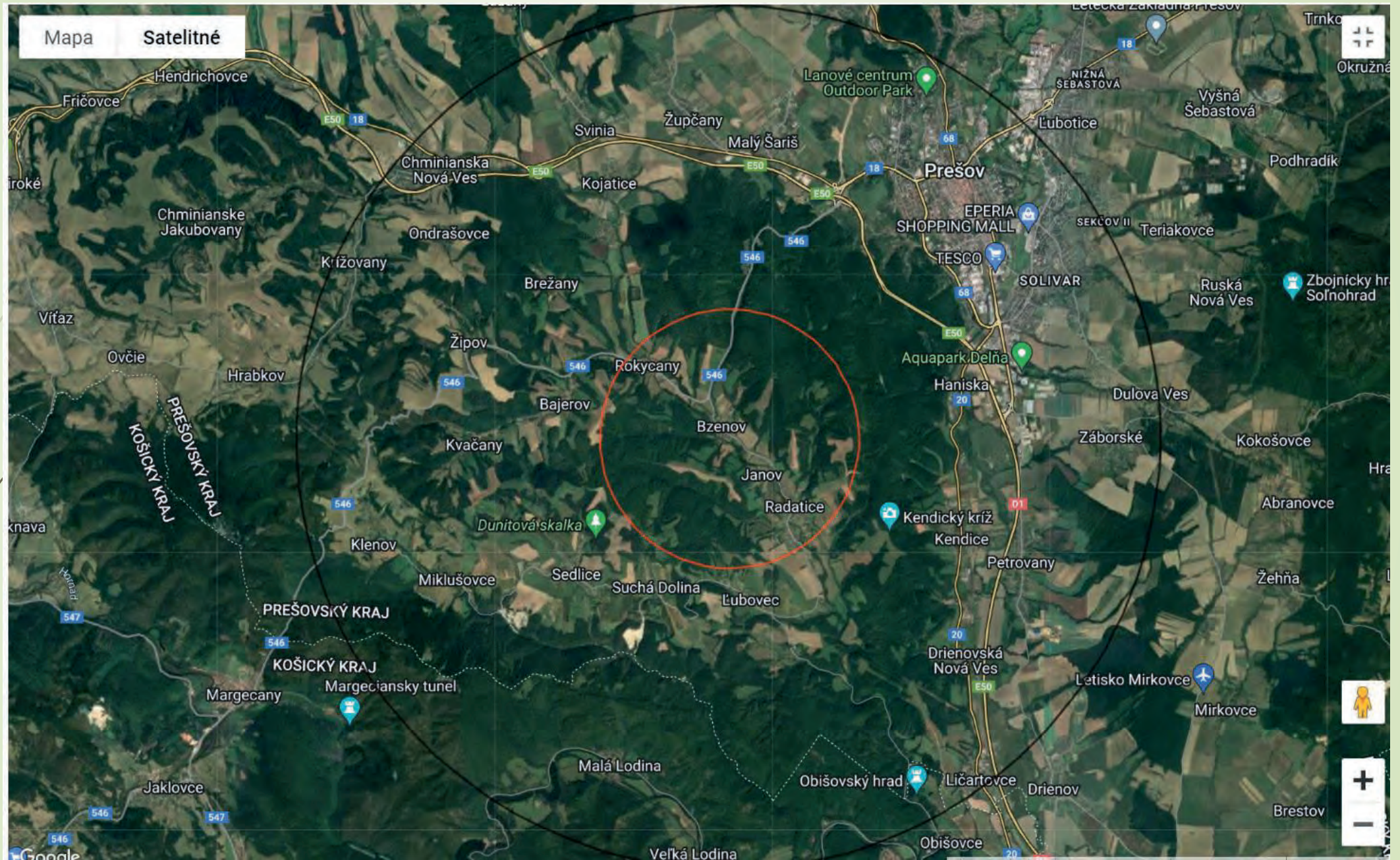
CP: 1787/2023

P.č.vz	Označenie vzoriek	Č haly	Č.turnusu	P.vt. v krdli	AIV	AIV NA1	AIV-HA5	AIV-HA7					
					Ag PCR	Ag PCR	Ag PCR	Ag PCR					
1					POZIT	POZIT	POZIT	negat					
2					POZIT	POZIT	POZIT	negat					

Vysvetlivky k tabuľke výsledkov vyšetrení:

- (N) AIV-HA5 Ag PCR PCR metóda na určenie typu hemaglutinínu (H5)
- (N) AIV-HA7 Ag PCR PCR metóda na určenie typu hemaglutinínu (H7)
- (A) AIV Ag PCR PCR metóda na detekciu nukleovej kyseliny vírusu AIV (vírus vtácej chrípky)
- (N) AIV NA1 Ag PCR PCR metóda na určenie typu neuraminidázy (N1)

(N) Makroskopicky : hemoragická enteritída.



- Epidemiological investigation covered by the officials from the CA
- Eggs used for own consumption of the owner; no movements/trade of products outside Slovakia

The most probably route of introduction of virus into the holding via wild birds

- DVFA Prešov ordered veterinary measures in accordance with AHL and the delegated regulation 2020/687 for:
 - outbreak
 - protection zone 3 km
 - Surveillance zone 10 km



Epizootologické šetrenie pri podozrení/potvrdení* aviárnej influenzy

Dátum vyplnenia: 17.1.2023

Úradný veterinárny lekár/telefón: MVDr. Vladimír Fedorko, MVDr. Jozef Janák

Dátum podozrenia: 12.1.2023

Dátum potvrdenia: 17.1.2023

Názov prevádzkare: p. František Palenčár

Adresa prevádzkare: Bzenov č. 151, 082 42 Bzenov

Farma: Bzenov Okres: Prešov Kraj: Prešovský

Úradné veterinárne číslo farmy: nemá

Informácie poskytol/telefón: p. František Palenčár

Súkromný veterinárny lekár: .MVDr. Juraj Benedicty Prítomný: áno nie

I. Informácie o chove

Typ chovu:

komerčný chov

nekomerčný chov

Kategória chovu:

ROZMNOŽOVACÍ CHOV

mäsová línia

znášková línia

odchov

odchov

rodičia

rodičia

staro rodičia

staro rodičia

ÚŽITKOVÝ CHOV:

produkcia mäsa/výkrm – kačky

produkcia konzumných vajec

nosnice

mládky

HPAI in Slovakia – backyard flock No. 2

- ▶ ADIS refference – SK-HPAI(P)-2023-00003

small backyard flock - village Ipel'ské Úľany (Levice district, southern part of Slovakia)

Suspicion (after 30 of 46 chickens in the flock died suddenly without previous visible clinical signs)

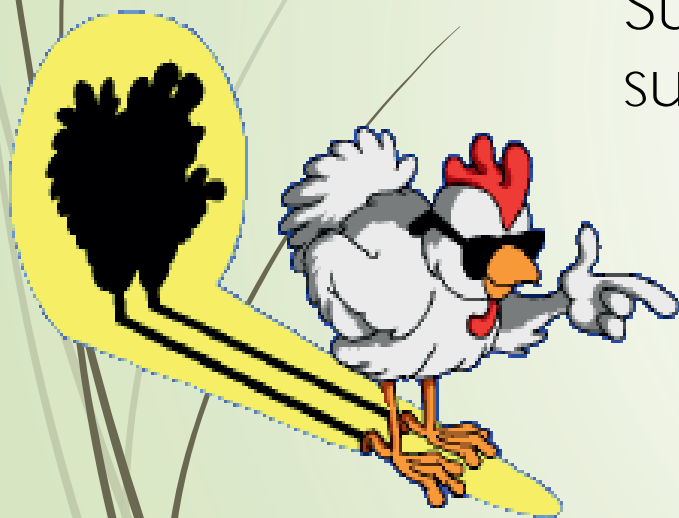
- ▶ on 30.1.2020

- ▶ official samples taken (sent to the NRL for AI – VI Zvolen)

- ▶ **Confirmation** - on 31.1.2020 HPAI subtype H5N1

- ▶ Depopulation on 31.1.2023 – birds killed on the spot

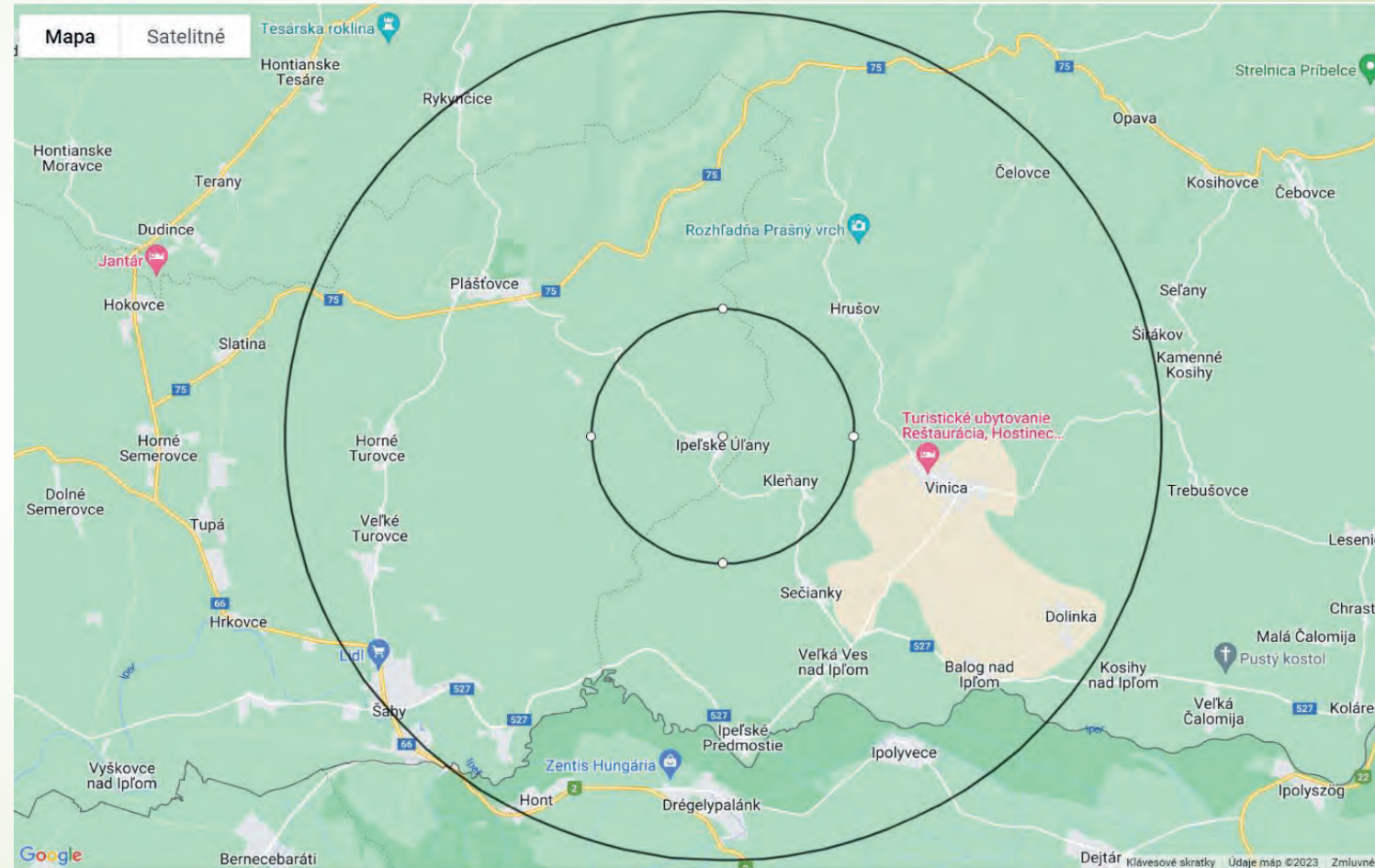
- ▶ 16x *Gallus gallus*, 4x waterfowl



- Epidemiological investigation covered by the officials from the CA

The most probably route of introduction of virus into the holding via wild birds

- DVFA Levice ordered veterinary measures in accordance with AHL and the delegated regulation 2020/687 for:
 - outbreak
 - protection zone 3 km
 - surveillance zone 10 km
- Surveillance zone extends to the territory of Hungary
- CA of Hungary has been informed on 2.2.2023



HPAI in Slovakia – ZOO Bratislava

- ADIS reference – SK-HPAI(NON-P)-2023-00002

ZOO in the city of Bratislava – south-western part of Slovakia

Suspicion - after 1 goose (domestic, kept in the ZOO) was found dead with bloody discharge around the beak

- on 21.1.2023
- official samples - sent to the NRL for AI – VI Zvolen
- **Confirmation** - on 27.1.2023 HPAI subtype H5N1
- Birds in the ZOO on 26.1.2023:
 - 50 species – 210 birds in total – mostly kept inside the buildings for the winter season
 - Positive goose was kept in exterior enclosure – **direct contact with wild birds on the pond**



Okres: Bratislava 4
 Číslo prevádzkarne: SK-ZOOBA-01
 Názov prevádzkarne: Zoologická záhrada Bratislava
 Chov: komerčný

Prijatý materiál		Odosielateľ	
Druh zvieratá / vzorka:	Hus domáca (všeobecne): kadáver	Regionálna veterinárna a potravinová správa Polianky 8 841 01 Bratislava UVL Krištofič Radoslav, MVDr. č.o.: 101019	
Počet vzoriek:	1	Číslo žiadanky:	1/23/01/2023
Dôvod vyšetrenia:	vtáčia chrípka - AIV	Vzorku odobral:	Krištofič Radoslav, MVDr.
		Dátum odberu:	21.01.2023
		Dátum vystavenia žiadanky:	23.01.2023
		Spôsob platby:	ŠVPS SR
Anamnéza:	Hus podunajská, samica nájdená uhynutá 21.1.2023 v ZOO BA. Krv v okolí zobáka a nozdier.		
Dátum, čas prijatia vzorky:	25.01.2023 18:00	Spôsob doručenia vzorky:	zvoznou linkou
Dát., čas oznámenia výsl. CP:	26.01.2023 13:09	Spôsob oznámenia výsl. CP:	e-mail
Dátum vystavenia protokolu:	26.01.2023	Protokol dostane:	majiteľ, RVPS BA, ŠVPS SR

Výsledky vyšetrení

CP: 3205/2023

P.č.vz	Označenie vzoriek	Č.haly	Č.turnusu	P.vt. v kfali	AIV	AIV NA1	AIV-HA5					
					Ag PCR	Ag PCR	Ag PCR					
1					POZIT	POZIT	POZIT					

Vysvetlivky k tabuľke výsledkov vyšetrení:

- (N) AIV-HA5 Ag PCR PCR metóda na určenie typu hemaglutinínu (H5)
- (A) AIV Ag PCR PCR metóda na detekciu nukleovej kyseliny vírusu AIV (vírus vtáčej chrípky)
- (N) AIV NA1 Ag PCR PCR metóda na určenie typu neuraminidázy (N1)

(N) Makroskopicky : Krv v okolí nozdier.

Vo vzorke bol potvrdený vírus vtáčej chrípky H5N1.

Measures for the ZOO outbreak 1/2

1. Closure of the ZOO Bratislava grounds to the public until further notice.
2. Immediate killing of all birds with clinical signs of the disease.
3. Safe disposal of carcasses through rendering plant.
4. To ensure the search for dead wild birds in the whole area of ZOO Bratislava and to immediately report any finding of a dead wild bird to DVFA Bratislava - city. Persons who search for dead wild birds and come into contact with dead or clinically ill wild birds should not be the same persons who provide care for captive birds in the ZOO.
5. Ensure, under official supervision, the preliminary cleaning and disinfection of parts of the area (including water bodies) to which waterfowl showing clinical symptoms had free access.
6. To secure, as far as possible, water areas in the area in such a way that prevents the detention of wild waterfowl in the ZOO area as much as possible (draining ponds, covering them, etc.).
7. Ensuring biosecurity in connection with the kept birds in ZOO Bratislava, especially the housing/wintering of the kept birds in such a way that prevents direct and indirect contact with wild birds - i.e. in indoor spaces. Tools used for the care of birds, as well as feed intended for birds have to be stored indoors.
8. To keep the birds that were not winterized indoors before the issuance of these measures and came into contact with wild birds, as well as birds that came into contact with positive individuals, in quarantine separately from other birds for at least 21 days and monitor daily their health status.

Measures for the ZOO outbreak 1/2

- ▶ 9. The owner or to the holder to immediately notify DVFA Bratislava - mesto of any symptoms of the disease in kept birds according to the criteria: sudden death or any clinical manifestation or post-mortem change that could indicate avian influenza.
- ▶ 10. Use of personal protective equipment when handling the birds.
- ▶ 11. Do not feed birds with water from surface water reservoirs accessible to wild birds. Feed the birds only with drinking water.
- ▶ 12. Use effective disinfectants (disinfectant mats) at the entrances and exits from each separate breeding area (object, building) in which susceptible animals - birds are kept, and also at the entrance to the area (for people and vehicles).
- ▶ 13. At the entrances and exits of the breeding areas where the birds are kept, in addition to disinfecting mats, provide hand disinfection for ZOO employees and instruct them on the necessity of hand disinfection before and after handling the kept birds.
- ▶ 14. Disposal of equipment, materials that are or may be contaminated with avian influenza virus and that cannot be effectively cleaned, disinfected or treated. director of ZOO Bratislava



ZOO outbreak - Prohibitions

- ▶ It is prohibited:
- ▶ 1. Transfer of birds within the premises of ZOO Bratislava without permission of DVFA Bratislava - city.
- ▶ 2. Delivery and removal of birds to and from the premises of ZOO Bratislava from other farms and facilities.
- ▶ 3. Handling of used litter and manure without permission.
- ▶ 4. Gathering/collecting of the kept birds.

HPAI in Slovakia – Commercial farm

- ▶ ADIS reference – SK-HPAI(P)-2023-00002

Commercial farm - village Pusté Úľany (Galanta district, south-western part of Slovakia)

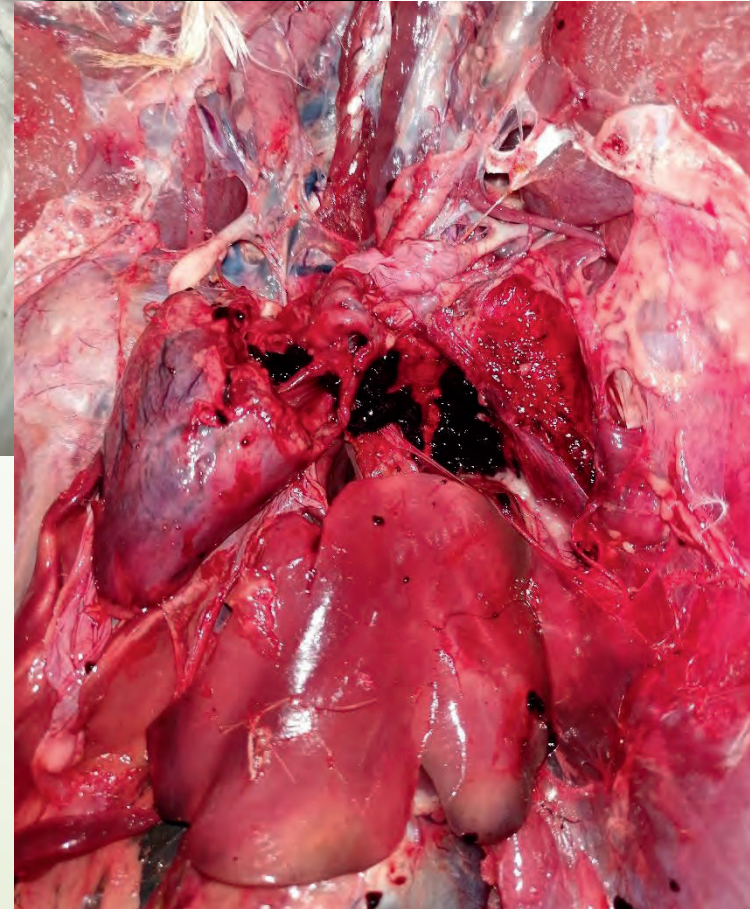
Suspicion - after sudden increased mortality of the laying hens in one flock on 27.1.2023

- ▶ official samples taken (sent to the NRL for AI – VI Zvolen)
- ▶ **Confirmation** - on 31.1.2023 HPAI subtype H5N1
- ▶ Depopulation on 2.2.2023 – birds remaining alive killed on the spot by the *Specialized mobile unit* for the eradication (trained personnel with the truck with the mobile gas chamber)

Outbreak [SK-HPAI\(P\)-2023-00002](#) submitted



- ▶ Poultry on the farm – 5665 pcs of poultry in total
- ▶ 2 flocks of laying hens, 1 flock of broilers, 2 flocks of fattening ducks
- ▶ On the date of confirmation 31.1. – 1550 dead birds
 - ▶ Laying hens – 1st flock 100% mortality, 2nd flock + broilers more than 50% mortality till that day
 - ▶ Ducks - only few birds showed clinical signs (letargy, ruffed feathers, nasal discharge)
- ▶ 2.2. – depopulation on the spot - CO₂
- ▶ *Specialized mobile unit* for the eradication (= trained personnel with the truck with the mobile gas chamber)
- ▶ 3676 killed (more than 3000 ducks)
- ▶ Carcasses, eggs and other poultry products – disposed by the rendering plant



Clinical signs
HPAI
G. gallus



Clinical signs
HPAI - ducks



Depopulation – mobile gas chamber (CO₂)





Regionálna veterinárna a potravinová správa Galanta

Úradný záznam č. 2020102302010700
o usmrtení zvierat a o likvidácii materiálov,
ktoré môžu prenášať vírus aviárnej influenzy v ohnisku aviárnej influenzy

Na základe veterinárnych opatrení č. 189/2023 zo dňa 1.2.2023 bolo v chove Čapkovič Milan Ing. – SHR, farma Lúčny dvor, úradné veterinárne číslo farmy SK-VH-GA-10 v počte 3676 kusov hydiny usmrtených.

Spôsob usmrtenia: PLYNOVÁ METÓDA V KONTAJNEROCH - CO₂

Dátum usmrtenia: 2.2.2023

Usmrtenie vykonal: ŠPECIÁLNY TIM ŠKAFIJE VE VEŠTILAVA NA AJMATERIE HYDIN

Úradný dohľad zabezpečil (meno a priezvisko): M.Š. BOHUNČAVA MIJUSOVICOVÁ

Na základe veterinárnych opatrení č. 189/2023 zo dňa 1.2.2023 bolo v chove Čapkovič Milan Ing. – SHR, farma Lúčny dvor, úradné veterinárne číslo farmy SK-VH-GA-10 likvidovaných:

- kadávery/počet/hmotnosť: 3223 kg
- násadové vajcia/počet: -
- konzumné vajcia/počet: 120 kg
- krmivo/hmotnosť: -
- iné: -

Spôsob likvidácie: KAFILÉRIA

Dátum likvidácie: 2.2.2023

Likvidáciu vykonal: V.Š.Š. MOJTOVÁ LÚČKA ŽILINA

Úradný dohľad zabezpečil (meno a priezvisko): M.Š. BOHUNČAVA MIJUSOVICOVÁ

Úradný záznam s podpisom potvrdzujú: 2.2.2023

1. Pracovník regionálnej veterinárnej a potravinovej spravy:

M.Š. BOHUNČAVA MIJUSOVICOVÁ LIKVIDAČKA LUPAČKA

meno a priezvisko

funkcia

podpis a pečiatka



2. Zástupca prevádzkarne, v ktorej sa zvieratá usmrcovali:

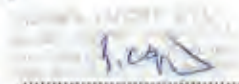
ING. MILAN ČAPKOVIČ

meno a priezvisko

MAJITEĽ FARMY

funkcia

podpis a pečiatka

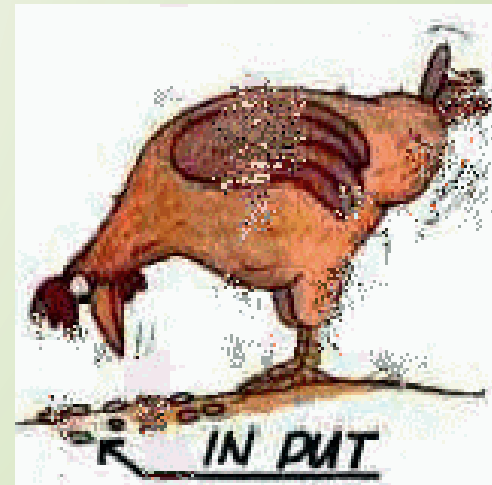


Surveillance programme for AI in Slovakia

In the Slovak Republic the “Avian influenza surveillance programme for poultry and wild birds for 2023” is being implemented in compliance with the requirements of AHL and its delegated and implemented acts.

In 2022

- 2.239 samples investigated in poultry for H5/H7 (active monitoring) – positive serological test – LPAI H7N9
- Passive monitoring poultry – 1 backyard flock – HPAI H5N1 (May 2022)
- 34 wild birds (dead) investigated
 - 13 positive swans – H5N1 (january + february 2022)
 - 1 positive heron – Influenza A subtype not identified (august 2022)



Thank you for your
attention!

