

Avian influenza

Epidemiological situation in Poland



General Veterinary Inspectorate
15-16.03.2021

Epidemiological situation in poultry 2020/2021

➤ 2020

➤ I – VI:

32 outbreaks in commercial & backyard farms

1 case in wild bird

➤ VII – XII:

19 outbreaks in commercial & backyard farms

4 cases in wild birds

**August, 13th, 2020: Self-declaration
of freedom from AI in Poland**

➤ 2021

➤ January – 12 March:

34 outbreaks in commercial & backyard farms

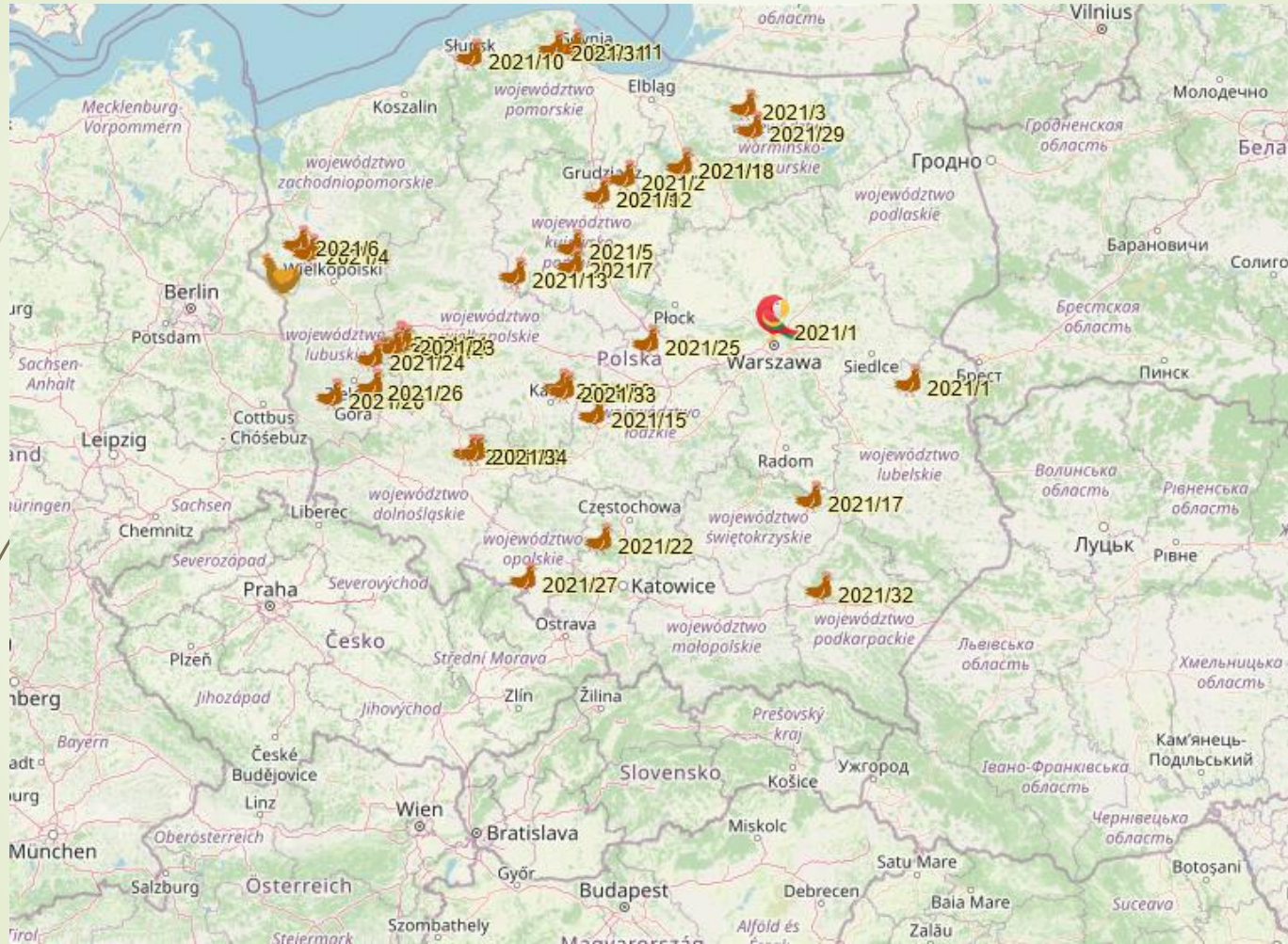
57 cases in wild birds

Epidemiological situation in poultry

2020/2021

Voivoidship	II-nd half 2020		2021		TOTAL (since November 2020)	
	Outbreaks	Birds	Outbreaks	Birds	Total outbreaks	Total birds
dolnośląskie	2	276	2	57 151	4	57 427
kujawsko-pomorskie	0	0	5	129 644	5	129 644
lubelskie	1	53 504	1	29 840	2	83 344
lubuskie	0	0	4	113 509	4	113 509
łódzkie	0	0	2	54 002	2	54 002
małopolskie	0	0	0	0	0	0
mazowieckie	3	151 582	0	0	3	151 582
opolskie	0	0	1	79	1	79
podkarpackie	0	0	1	5 150	1	5 150
podlaskie	0	0	0	0	0	0
pomorskie	1	269 697	3	124 351	4	394 048
śląskie	0	0	1	21 777	1	21 777
świętokrzyskie	0	0	1	62	1	62
warmińsko-mazurskie	2	40 253	4	60 024	6	100 277
wielkopolskie	9	2 012 845	8	584 411	17	2 597 256
zachodniopomorskie	1	662	1	13 558	2	14 220
	19	2 528 819	34	1 193 558	53	3 722 377

Location of HPAI outbreaks in poultry in 2021



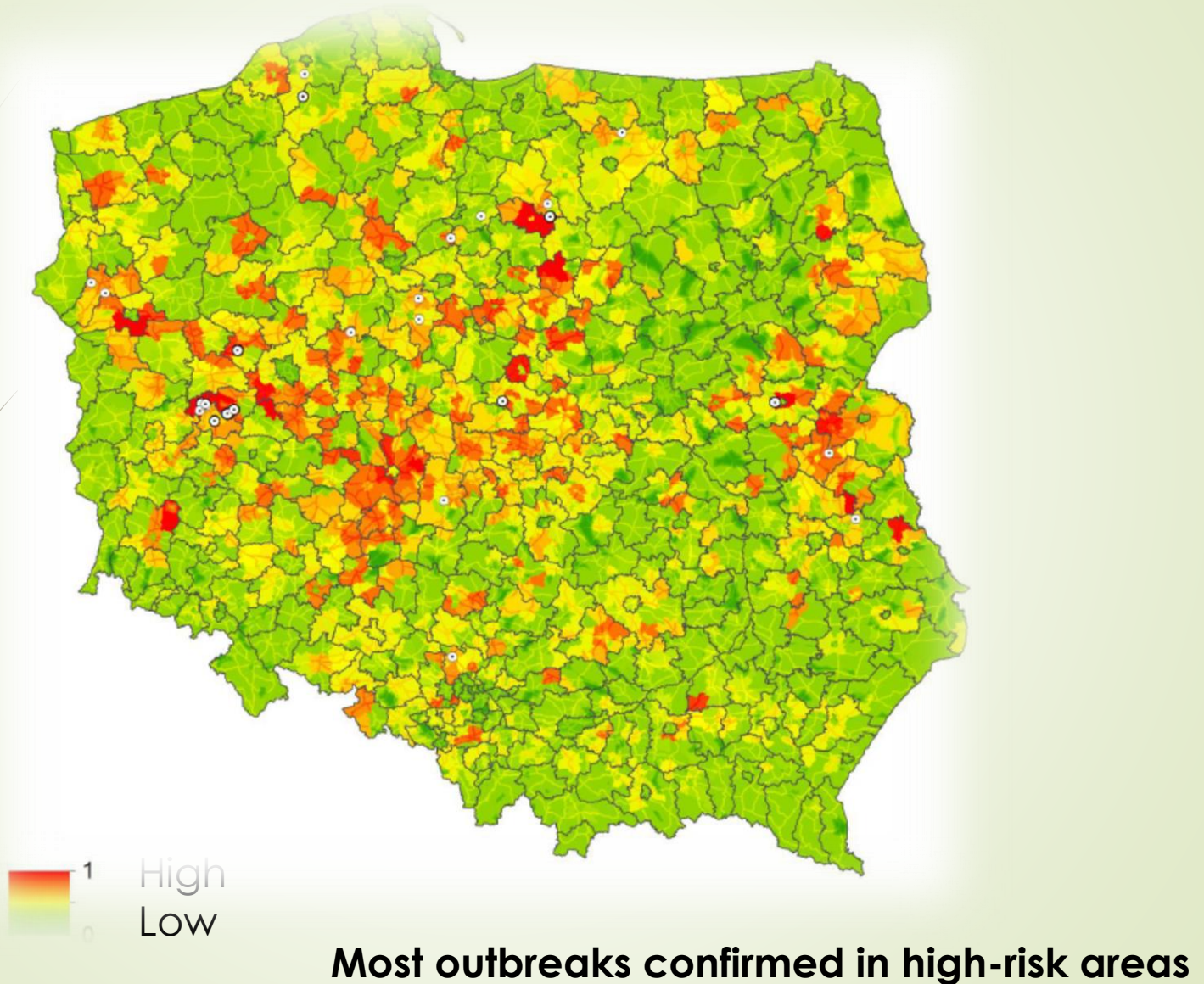
Outbreaks summary since last PAFF (2021/20 – 2021/34)

No. of outbreak	Region	District	Community	Locality	Type of farm	Number of animals	Species/ category	Date official sampling	Date confirmation by NRL	Date of preliminary cleansing and disinfection
2021/20	Lubuskie	żarski	Żary	Złotnik	backyard	260	240 laying hens, 7 geese, 13 ducks	09.02.2021	10.02.2021	10.02.2021
2021/21	Wielkopolskie	Wolsztyński	Siedlec	Kietpiny	commercial	10 667	laying hens	09.02.2021	11.02.2021	10.02.2021
2021/22	Śląskie	Tarnogórski	Tworóg	Brynek	commercial	21 777	slaughter turkeys	11.02.2021	12.02.2021	13.02.2021
2021/23	Wielkopolskie	Wolsztyński	Wolsztyn	Nowe Tłoki	backyard	160	laying hens	11.02.2021	12.02.2021	17.02.2021
2021/24	Lubuskie	zielonogórski	Trzebiechów	Trzebiechów	backyard	49	3 ducks, 37 hens, 9 guinea fowl	15.02.2021	16.02.2021	16.02.2021
2021/25	łódzkie	łęczyński	Witonia	Gledzianów	commercial	16 000	slaughter ducks	03.03.2021	04.03.2021	5.03.2021

Outbreaks summary

No. of outbreak	Region	District	Community	Locality	Type of farm	Number of animals	Species/ category	Date official sampling	Date confirmation NRL	Date of preliminary cleansing and disinfection
2021/26	Lubuskie	nowosolski	Nowa Sól	Nowa Sól	commercial	97 600	laying hens	03.03.2021	04.03.2021	6.03.2021
2021/27	Oopolskie	głubczycki	Głubczyce	Równe	backyard	79	62 hens 17 ducks	03.03.2021	05.03.2021	9.03.2021
2021/28	Dolnośląskie	trzebnicki	Wisznia Mała	Ozorowice	commercial	19 011	geese breeders	05.03.2021	06.03.2021	8.03.2021
2021/29	Warmińsko-mazurskie	olsztyński	Barczewo	Rejczuchy	commercial	20 897	slaughter turkeys	05.03.2021	06.03.2021	9.03.2021
2021/30	Wielkopolskie	kaliski	Żelazków	Szkurłaty	commercial	3 901	slaughter ducks	04.03.2021	05.03.2021	6.03.2021
2021/31	Pomorskie	kartuski	Kartuzy	Głusino	backyard	44	hens	05.03.2021	06.03.2021	8.03.2021
2021/32	Podkarpackie	ropczycko-sędziszowski	Ostrów	Ostrów	commercial	5 150	slaughter turkeys	07.03.2021	07.03.2021	9.03.2021
2021/33	Wielkopolskie	kaliski	Opatówek	Borów	commercial	141 208	26 614 slaughter turkeys, 114 594 chicken broilers	08.03.2021	09.03.2021	11.03.2021
2021/34	Dolnośląskie	trzebnicki	Wisznia Mała	Wisznia Mała	commercial	38 140	ducks	11.03.2021	11.03.2021	12.03.2021

High risk areas with outbreaks





Most likely source:

As a result of a close proximity to water reservoirs and presence of wildlife the most likely source is transmission from natural environment by:

- contamination of bedding,
- ventilation,
- possible contact with wild birds


Other:

- Intense movement of employees
- Lack of biosecurity measures



Number of flocks tested (01.10.2020-11.03.2021)

- ▶ suspicion/testing to exclude - 149 flocks - 56 positive for H5N8 (37 in 2021)
- ▶ post outbreak surveillance- contact holdings - 58 flocks - all negative
- ▶ testing before movement to a slaughterhouse - 129 flocks – 2 positive (early detection, these flocks were killed at the farms)

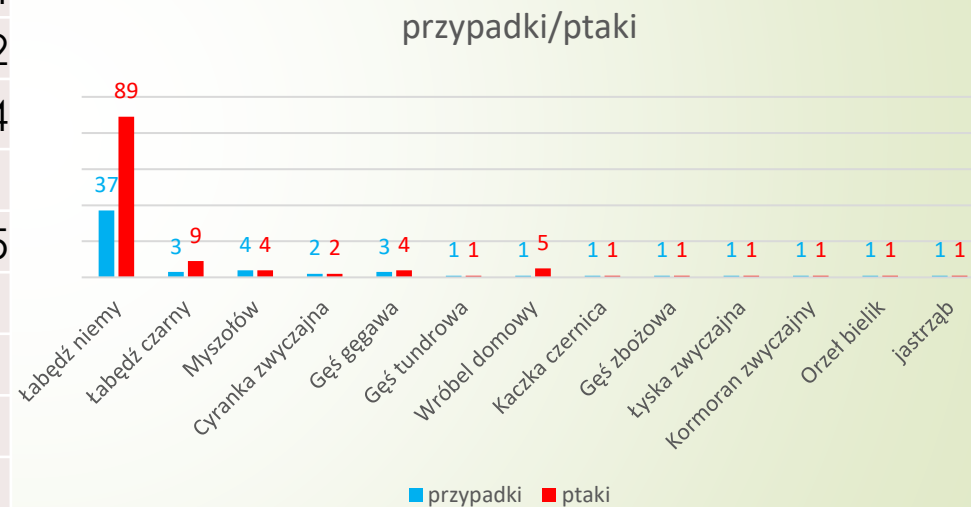


Surveillance in wild birds (01.10.2020-11.03.2021)

- ▶ Passive surveillance - dead or moribund birds:
371 birds (109 HPAIV detections)
- ▶ Active surveillance – alive, apparently healthy birds
(hunted or captured by ornithologists):
908 birds (no HPAIV detections)

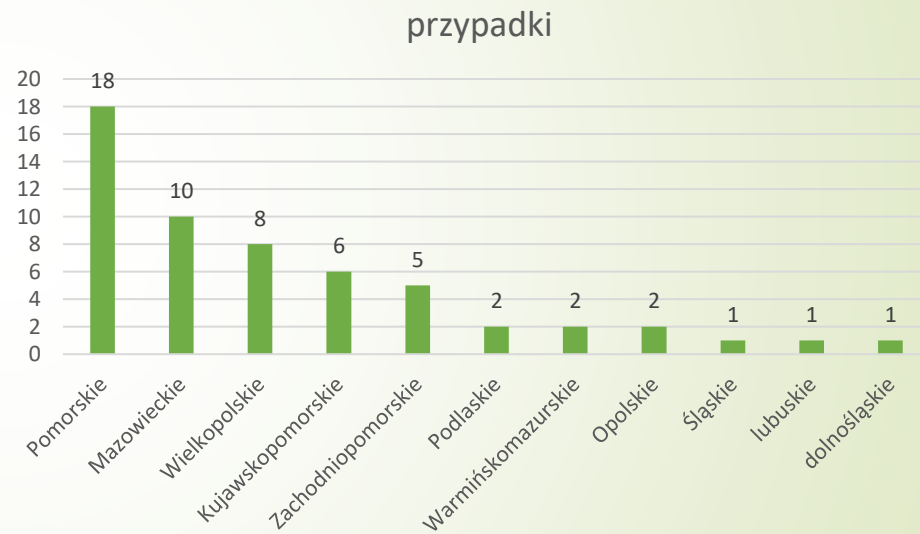
HPAI confirmed in wild birds (57 in 2021)

Species	cases	birds
<i>Cygnus olor</i>	37	89
<i>Cygnus atratus</i>	3	9
<i>Buteo buteo</i>	4	4
<i>Anas crecca</i>	2	2
<i>Anser anser</i>	3	4
<i>Anser</i>	1	1
<i>Passer domesticus</i>	1	5
<i>Aythya fuligula</i>	1	1
<i>Anser fabalis</i>	1	1
<i>Fulica atra</i>	1	1
<i>Phalacrocorax carbo</i>	1	1
<i>Haliaeetus albicilla</i>	1	1
<i>Accipiter gentilis</i>	1	1



HPAI confirmed in wild birds (57 in 2021)

Voivoidship	Number of cases
POMORSKIE	18
MAZOWIECKIE	10
WIELKOPOLSKIE	8
KUJAWSKO-POMORSKIE	6
ZACHODNIOPOMORSKIE	5
PODLASKIE	2
WARMIŃSKO-MAZURSKIE	2
OPOLSKIE	2
ŚLĄSKIE	1
LUBUSKIE	1
DOLNOŚLĄSKIE	1



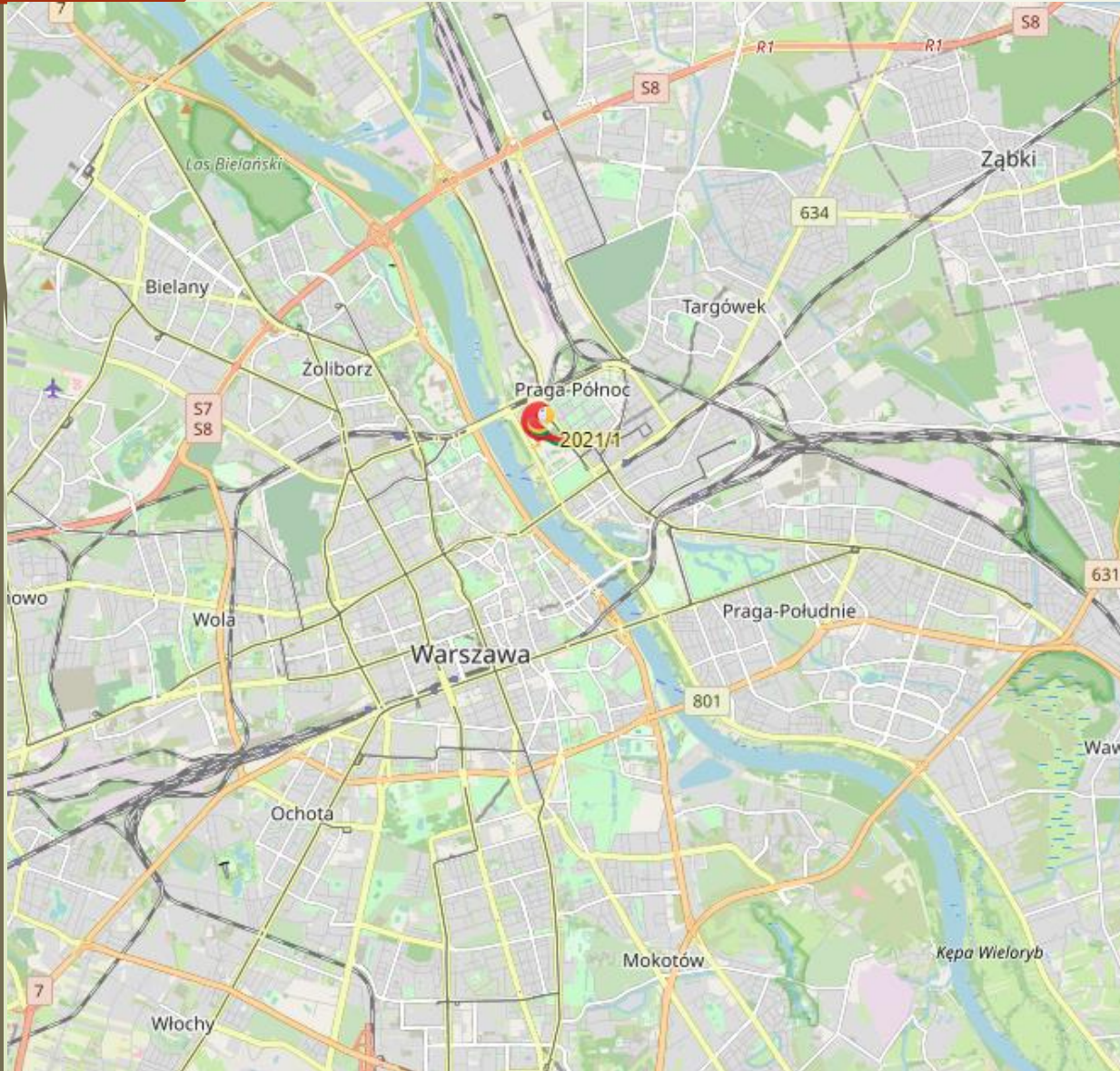
Outbreak 2021/1 in captive birds

- **ZOO in Warsaw** (Mazowieckie voivodship)
- Date of Confirmation: **24th February, 2021**
- Species: **Carolina duck** (*Aix sponsa*)
- Derogations:



- **as in article 13.1.** of Council Directive 2005/94/EC- derogation regarding killing birds in an outbreak, because of many endangered species living there;
- **as in article 16.2** of Council Directive 2005/94/EC- derogation regarding establishing protection and surveillance zones, due to the fact that the zoo is located in the city center, where no poultry production is provided

Outbreak 2021/1 in captive birds



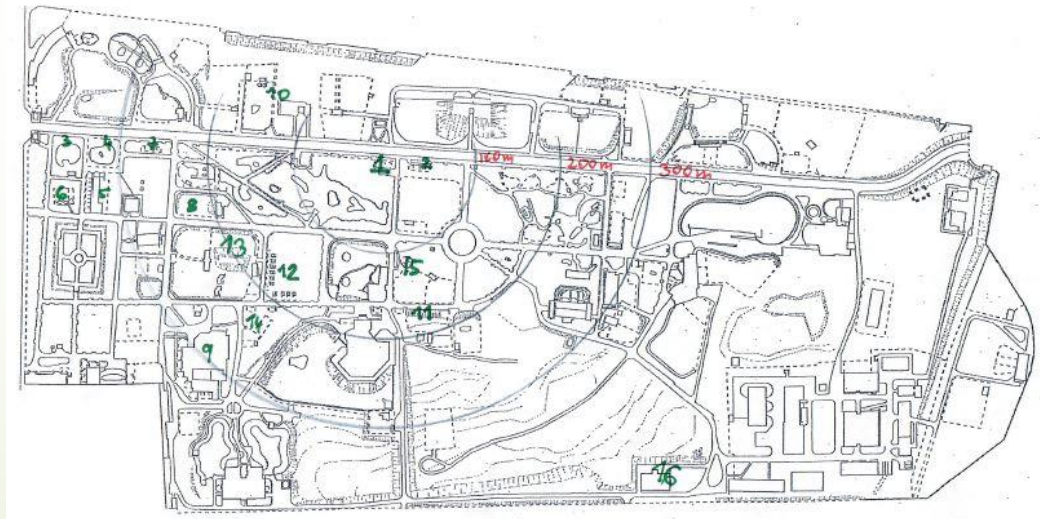
The zoo is located in the city center, where no poultry production is held.

Outbreak 2021/1 in captive birds

DVO inspection and risk analysis results

Birds in zoo are kept in aviaries or buildings constituting separate units for individual groups of birds, completely independent in terms of location, equipment and daily handling of animals.

These places are located 50 - 400m from the aviary where HPAI infection was confirmed in one dead Carolina duck (*Aix sponsa*).



Outbreak 2021/1 in captive birds

Implemented measures (administrative decision of DVO in Warsaw)

- a census of birds and mammals kept in the zoo, which is updated daily,
- keeping birds in isolation, in closed places or buildings,
- disinfection mats at the entrances and exits of the zoo and at the entrances and exits of the aviaries and places where birds are kept,
- registration of vehicles driving in or out the zoo,
- ban on movement of birds for or into the zoo, until HPAI negative test is obtained,
- ban on eggs movement from the zoo,
- the staff may enter to the places of keeping birds only in disposable protective clothing, until the disease outbreak will be resolved

Outbreak 2021/1 in captive birds

Actions taken on site – the aviary

- The aviary was disinfected by external company;
- Wooden elements as houses, perches or wooden covers, were removed and burned in a place away from bird keeping spaces;
- The aviary is now covered with tarpaulins isolating zoo birds from wild birds;
- The employees involved in servicing the aviary have to comply with procedures as using protective clothing and washing their hands during handling.

Outbreak 2021/1 in captive birds

Actions taken on site – the ZOO

- Bird cages are fenced
- There are disinfectants at the entrances of the zoo and aviaries
- Veterinarians carried out clinical examinations of every bird kept in the collection, seeking clinical signs of HPAI and searched over zoo's territory for dead, wild birds.
- Wild birds present at the zoo cannot be fed.
- Zoo birds that had outdoor access are kept closed
- Free Flight Hall is closed

Outbreak 2021/1 in captive birds

Actions taken on site – the ZOO

- 27.02.2021 – death of **black-crowned night heron** (*Nycticorax nycticorax*) from the same aviary as carolina duck, samples for HPAI tests were taken
- 04.03.2021 – positive result of HPAI test
- 05.03.2021 – issuing an administrative decision ordering stamping out of 30 birds in the aviary
- 10.03.2021 – death of **ibis** (*Eudocimus ruber*) from the same aviary as carolina duck, samples for HPAI tests were taken
- 11.03.2021 – positive result of HPAI test in ibis sampled 10.03.

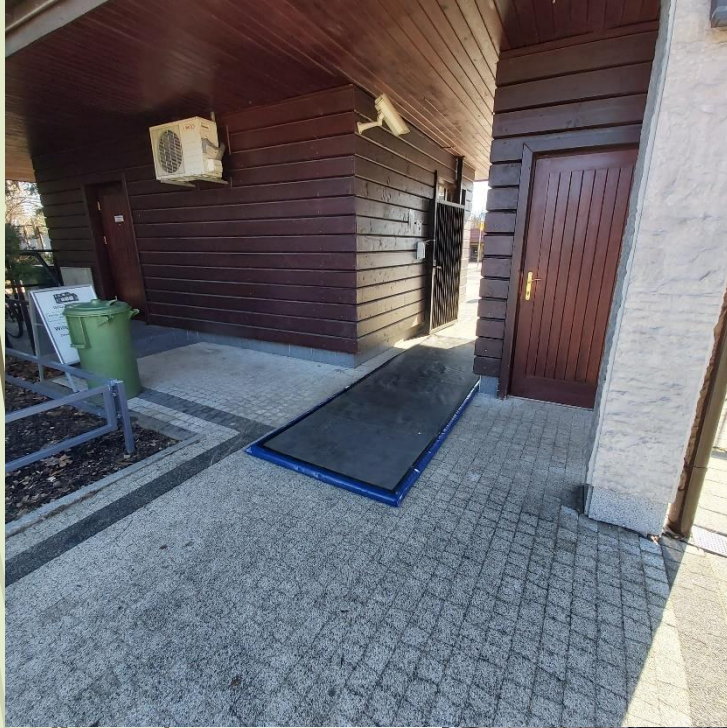
Culling carried out on 12.03.2021

Ducks dead on 02.03.2021 and 04.03.2021 were negative

Outbreak 2021/1 in captive birds



Outbreak 2021/1 in captive birds



Thank you

