



State  
Veterinary  
Administration

# Highly Pathogenic Avian Influenza in Czechia (Update)

PAFF meeting, 15 – 16. March 2021

# Highly Pathogenic Avian Influenza in Czechia

## Occurrence of HPAI in 2021

### ➤ **POULTRY**

#### **11 HPAI H5N8 outbreaks** in backyard flocks in 6 regions

- South Bohemian Region (3 outbreaks)
- Central Bohemian Region (3 outbreaks)
- Pardubice Region (1 outbreak)
- Plzeň Region (2 outbreaks)
- Vysočina Region (1 outbreak)
- Moravian-Silesian Region (1 outbreak)

### ➤ **WILD BIRDS**

#### **18 HPAI H5N8, H5N5 cases** in 7 regions

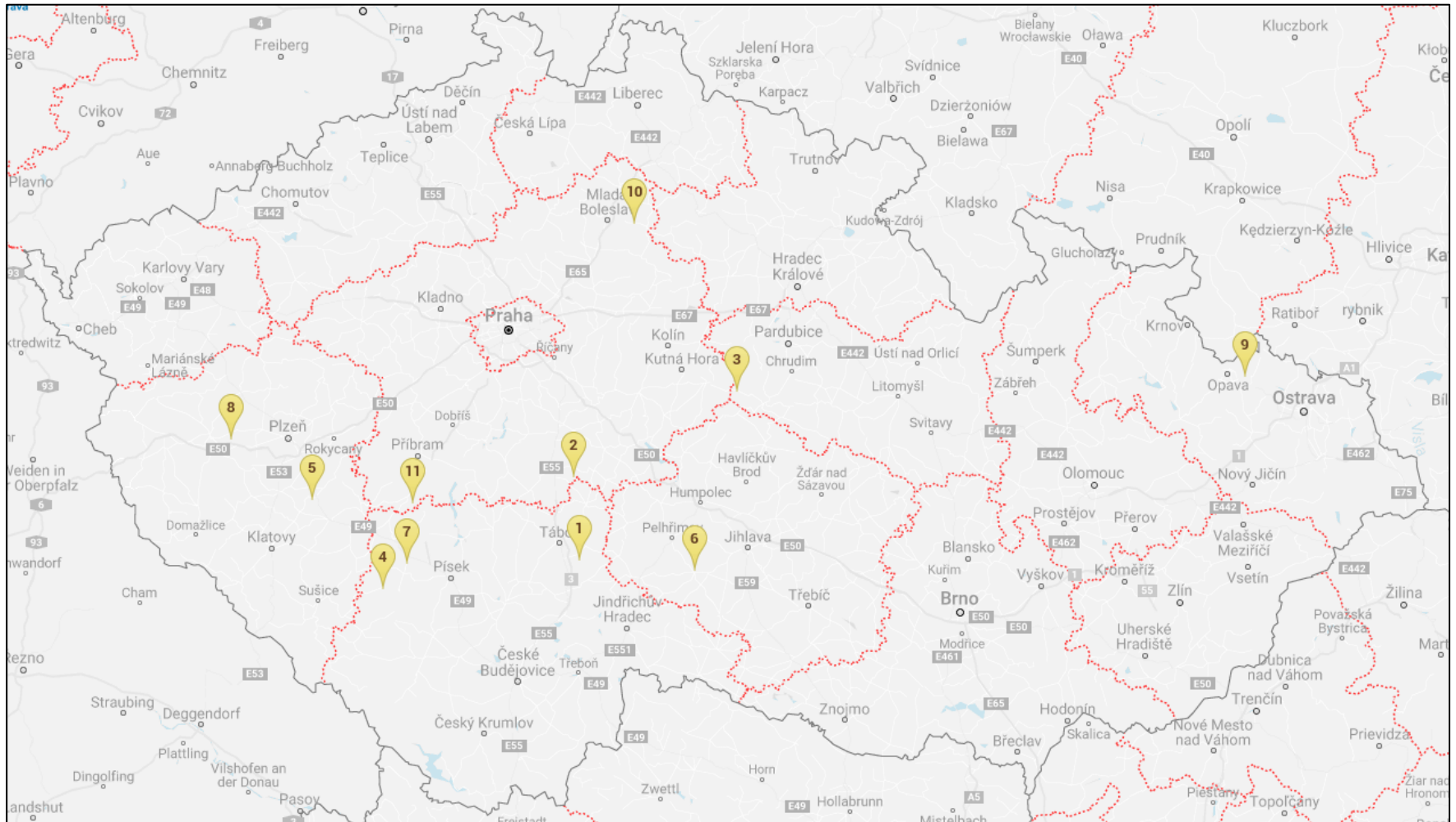
- South Bohemian Region (5 cases)
- Liberec Region (1 case)
- Central Bohemian Region (4 cases)
- Zlín Region (3 cases)
- Olomouc Region (3 cases)
- Capital city Prague (1 case)
- Ústí nad Labem Region (1 case)

# Overview of HPAI outbreaks in poultry

Date of confirmation of HPAI	Reference number	Subtype	Type of holding	Region/district (village)	Active/lifted
22. 1. 2021	2021/1	H5N8	Backyard farm (32 birds)	South Bohemian/Tábor (Dlouhá Lhota)	lifted on 22.2.
3. 2. 2021	2021/2	H5N8	Backyard farm (53 birds)	Central Bohemian/Benešov (Podolí u Jankova)	lifted on 5.3.
4. 2. 2021	2021/3	H5N8	Backyard farm (61 birds)	Pardubice/Chrudim (Ronov nad Doubravou)	lifted on 8.3.
11. 2. 2021	2021/4	H5N8	Backyard farm (61 birds)	South Bohemian/Strakonice (Katovice)	active
12. 2. 2021	2021/5	H5N8	Backyard farm (21 birds)	Plzeň/Plzeň-jih (Bzí)	active
22. 3. 2021	2021/6	H5N8	Backyard farm (443 birds)	Vysočina/Pelhřimov (Horní Cerekev)	active
26. 3. 2021	2021/7	H5N8	Backyard farm (17 birds)	South Bohemian/Strakonice (Rojice)	active
27. 2. 2021	2021/8	H5N8	Backyard farm (51 birds)	Plzeň/Plzeň-sever (Hněvnice)	active
9. 3. 2021	2021/9	H5N8	Backyard farm (103 birds)	Moravian-Silesian/Opava (Velké Hoštice)	active
9. 3. 2021	2021/10	H5N8	Backyard farm (22 birds)	Central Bohemian/Mladá Boleslav (Březno)	active
not completed	2021/11	H5N8	Backyard farm (32 birds)	Central Bohemian/Příbram (Počaply)	active

Avian influenza virus of subtype H5N8 was identified on 10 March 2021. Confirmation of pathogenicity is pending.

# HPAI outbreaks in poultry in 2021



1	Dlouhá Lhota	South Bohemian Region	7	Rojice	South Bohemian Region
2	Podolí u Jankova	Central Bohemian Region	8	Hněvnice	Plzeň Region
3	Ronov nad Doubravou	Pardubice Region	9	Velké Hoštice	Moravian-Silesian Region
4	Katovice	South Bohemian Region	10	Březno	Central Bohemian Region
5	Bzí	Plzeň Region	11	Počaply	Central Bohemian Region
6	Horní Cerekev	Vysočina Region			

# Measures on holdings

(in accordance with the Council Directive 2005/94/EC)

## Preliminary measures

- Census of susceptible animals
- Biosecurity - to keep birds on their living places
- Ban of all movement of poultry, poultry products, by-products
- Disinfection

## Control measures

- Culling and disposal of all remaining poultry on the affected farm
- Disposal of poultry products
- Cleaning and disinfection

## Epidemiological investigation – all outbreaks

- Probably source of infection: contact (direct or indirect) of poultry with wild birds

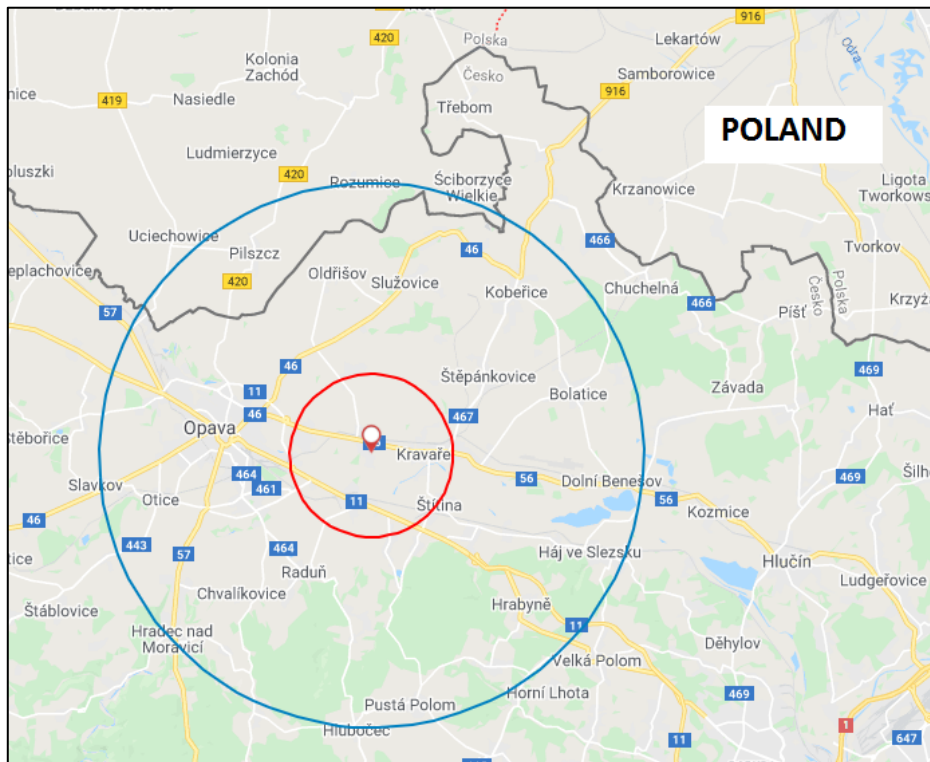
# Measures in protection zones




- Census of all poultry holdings \*
  - To keep birds in closed facilities
  - Ban of all movement of poultry, poultry products, by-products
  - Disinfection and biosecurity measures on poultry holdings
  - Poultry health monitoring, changes to be reported to Regional Veterinary Administration (RVA)
  - Ban of poultry and other birds exhibitions and markets
  - Ban of the release of birds for restocking
- 
- Official checks of poultry holdings and sampling according to Diagnostic Manual

# Measures in surveillance zones

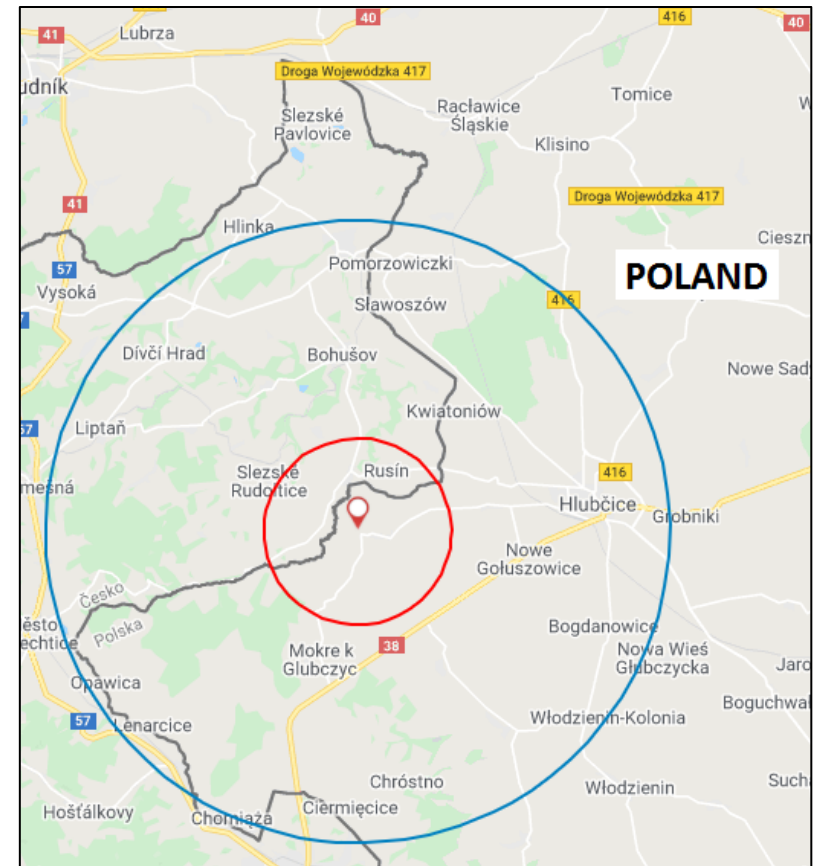
- Census of commercial poultry holdings \*
- Ban of all movement of poultry and poultry products (derogation approved by RVA only)
- Disinfection and biosecurity measures on poultry holdings
- Ban of poultry and other birds exhibitions and markets
- Ban of the release of birds for restocking

## Restriction zone established around the outbreak No. 2021/9 in the Moravian-Silesian Region extended beyond the territory of Czechia to Poland



-  outbreak
-  protection zone (3 km)
-  surveillance zone (10 km)

## Restriction zone established in Czechia due to HPAI outbreak in Poland (No. 2021/27) near to the Czech-Polish border



# Wild birds - cases description

From January,1 to March,11 in total 18 HPAI cases (in 36 birds) were registered (subtype H5N8,H5N5)

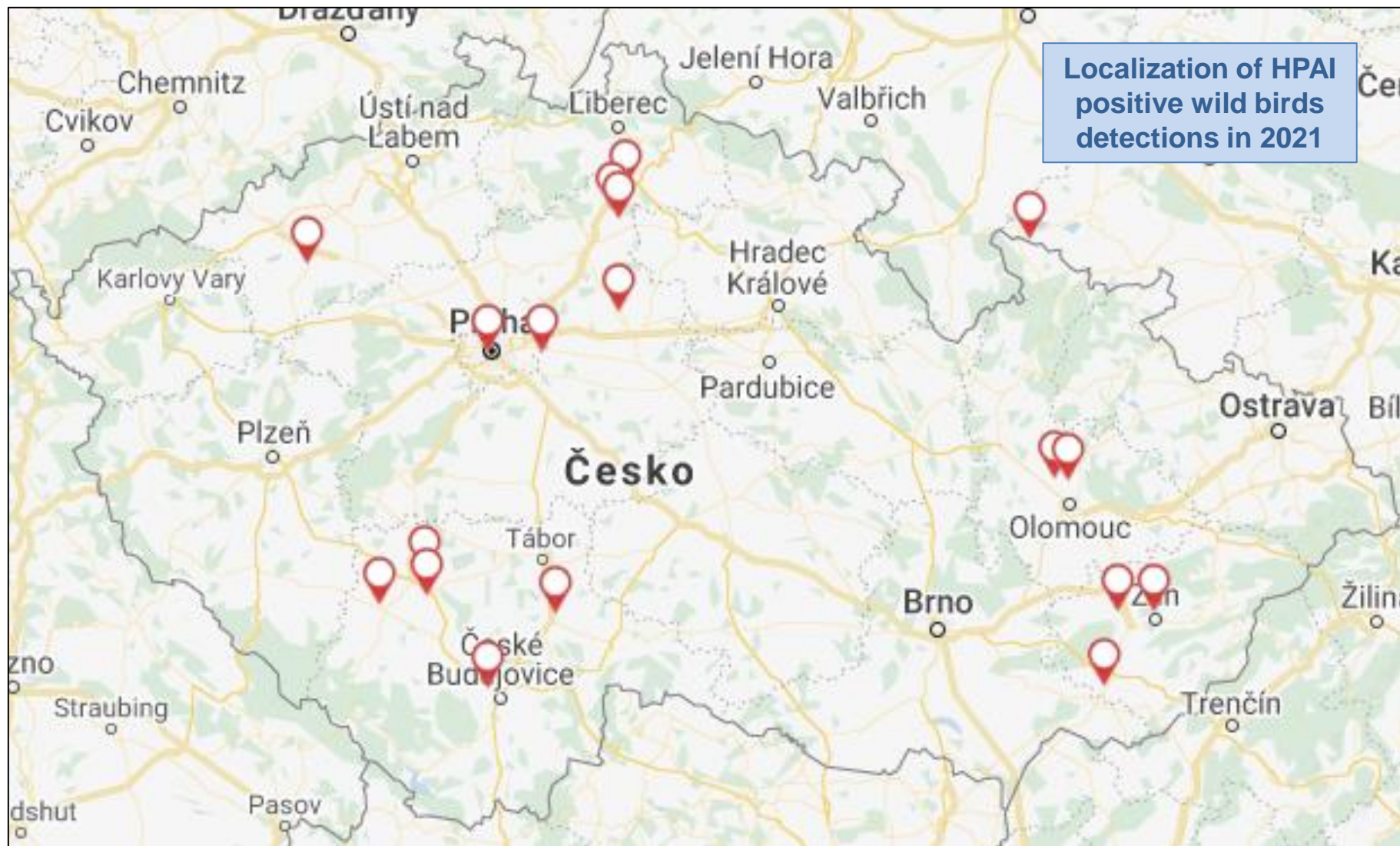
- No. 2021/1 (21. 1. 2021) – 2 mute swans (*Cygnus olor*), South Bohemian Region (district Písek)
- No. 2021/2 (25. 1. 2021) – 1 mute swan (*Cygnus olor*), 5 mallards (*Anas platyrhynchos*), South Bohemian Region (district Písek)
- No. 2021/3 (25. 1. 2021) – 1 mute swan (*Cygnus olor*), South Bohemian Region (district České Budějovice)
- No. 2021/4 (4. 2. 2021) – 1 mute swan (*Cygnus olor*), South Bohemian Region (district Strakonice)
- No. 2021/5 (5. 2. 2021) – 2 mute swans (*Cygnus olor*), South Bohemian Region (district Tábor)

## New cases since the last PAFF meeting

- **No. 2021/6** (16. 2. 2021) – 5 mute swans (*Cygnus olor*), Liberec Region (district Liberec)
- **No. 2021/7** (22. 2. 2021) – 1 mute swan (*Cygnus olor*), Central Bohemian Region (district Nymburk)
- **No. 2021/8** (26. 2. 2021) – 1 mute swan (*Cygnus olor*), Central Bohemian Region (district Praha-východ)
- **No. 2021/9** (2. 3. 2021) – 2 mallards (*Anas platyrhynchos*), Zlín Region (district Zlín)
- **No. 2021/10** (3. 3. 2021) **H5N5** – 1 mute swan (*Cygnus olor*), Zlín Region (district Kroměříž)
- **No. 2021/11** (3. 3. 2021) – 1 mute swan (*Cygnus olor*), Olomouc Region (district Jeseník)
- **No. 2021/12** (3. 3. 2021) – 2 mute swans (*Cygnus olor*), Capital Prague
- **No. 2021/13, 2021/14** (4. 3. 2021) – 6 mute swans (*Cygnus olor*), Central Bohemian Region (district Mladá Boleslav)
- **No. 2021/15** (4. 3. 2021) – 1 mute swan (*Cygnus olor*), Ústí nad Labem Region (district Louny)
- **No. 2021/16, 2021/17** (10. 3. 2021) – 3 mute swans (*Cygnus olor*), Olomouc Region (district Olomouc)
- **No. 2021/18** (10. 3. 2021) – 1 mute swan (*Cygnus olor*), Zlín Region (district Uherské Hradiště)



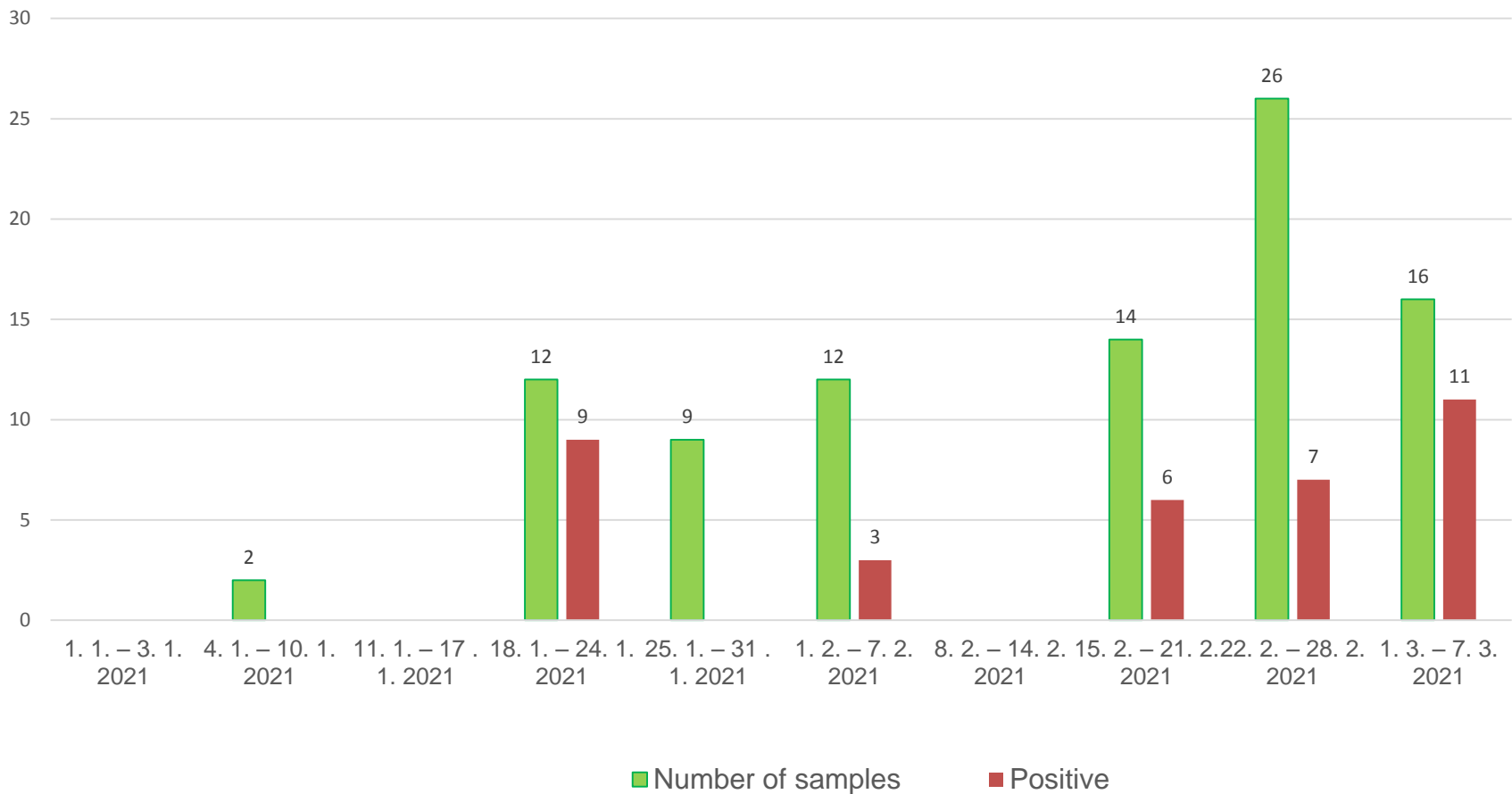
# Wild birds – map



# Number of wild birds samples

- From 1 January 2021 to 7 March 2021 in total 91 samples of wild birds were tested

Number of wild birds tested – weekly basis



**Thank you  
for your attention**