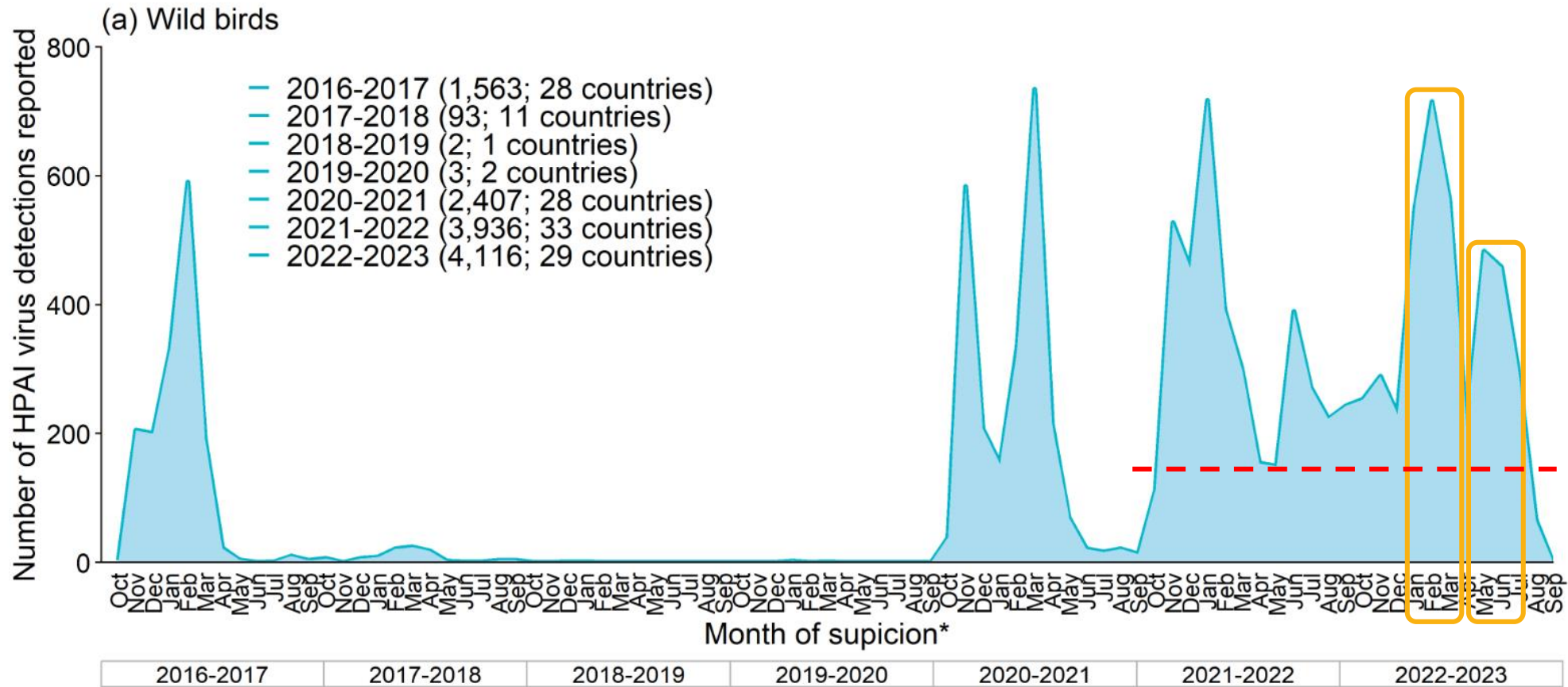




Avian influenza: overview of the disease situation

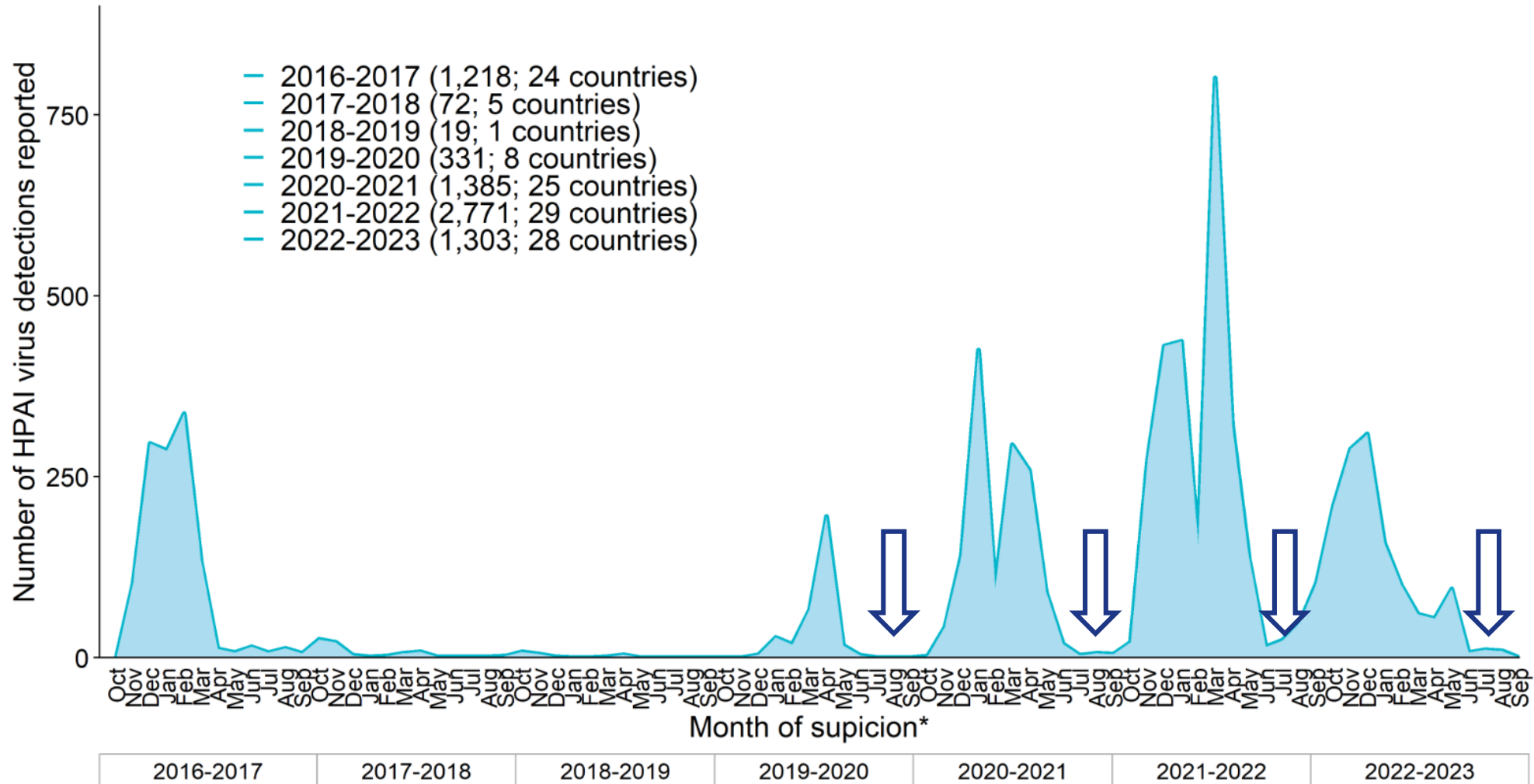
Lisa Kohnle
Scientific Officer
BIOHAW Unit

HPAI IN WILD BIRDS IN EU/EEA + UK



HPAI IN DOMESTIC BIRDS IN EU/EEA + UK

(b) Domestic birds



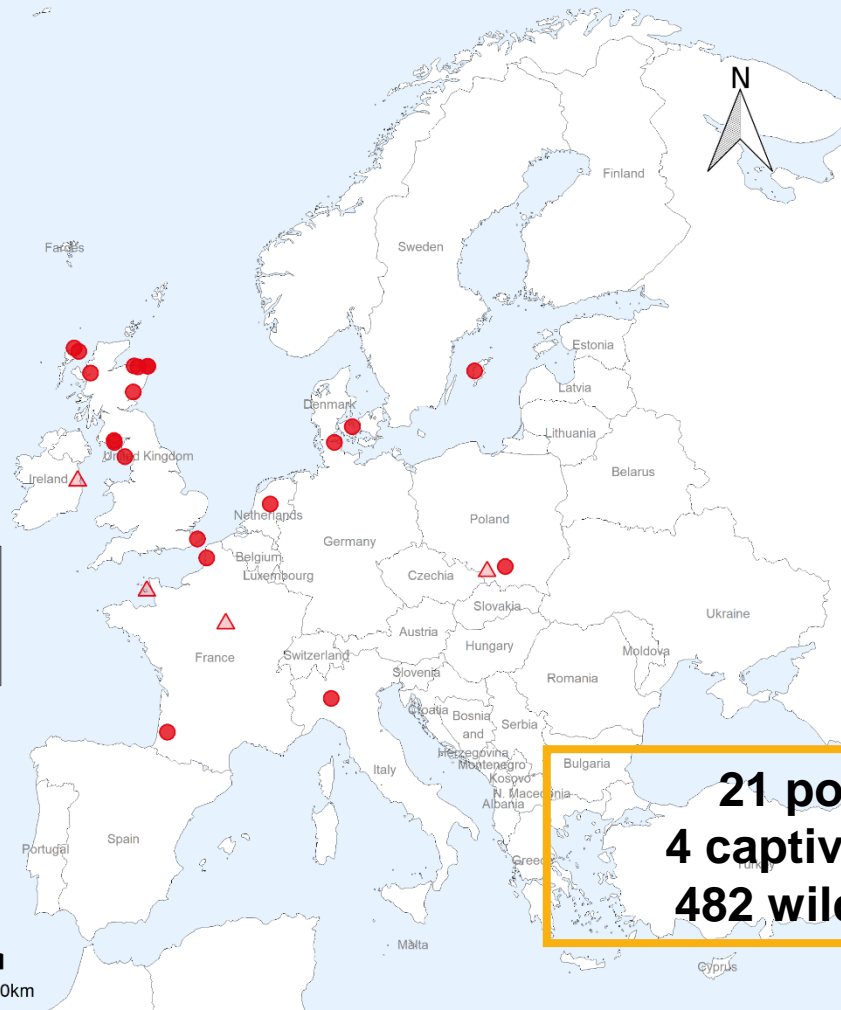
HPAI IN BIRDS | JUNE – SEPTEMBER 2023

DOMESTIC BIRDS

- 13 (52%) UK**
- 4 France**
- 1 Denmark**
- 1 Germany**
- 1 Ireland**
- 1 Italy**
- 1 Netherlands**
- 2 Poland**
- 1 Sweden**

HPAI virus subtype detections
in domestic birds
24 June 2023 - 1 September 2023

- △ H5N1, Captive birds (4)
- H5N1, Poultry (21)

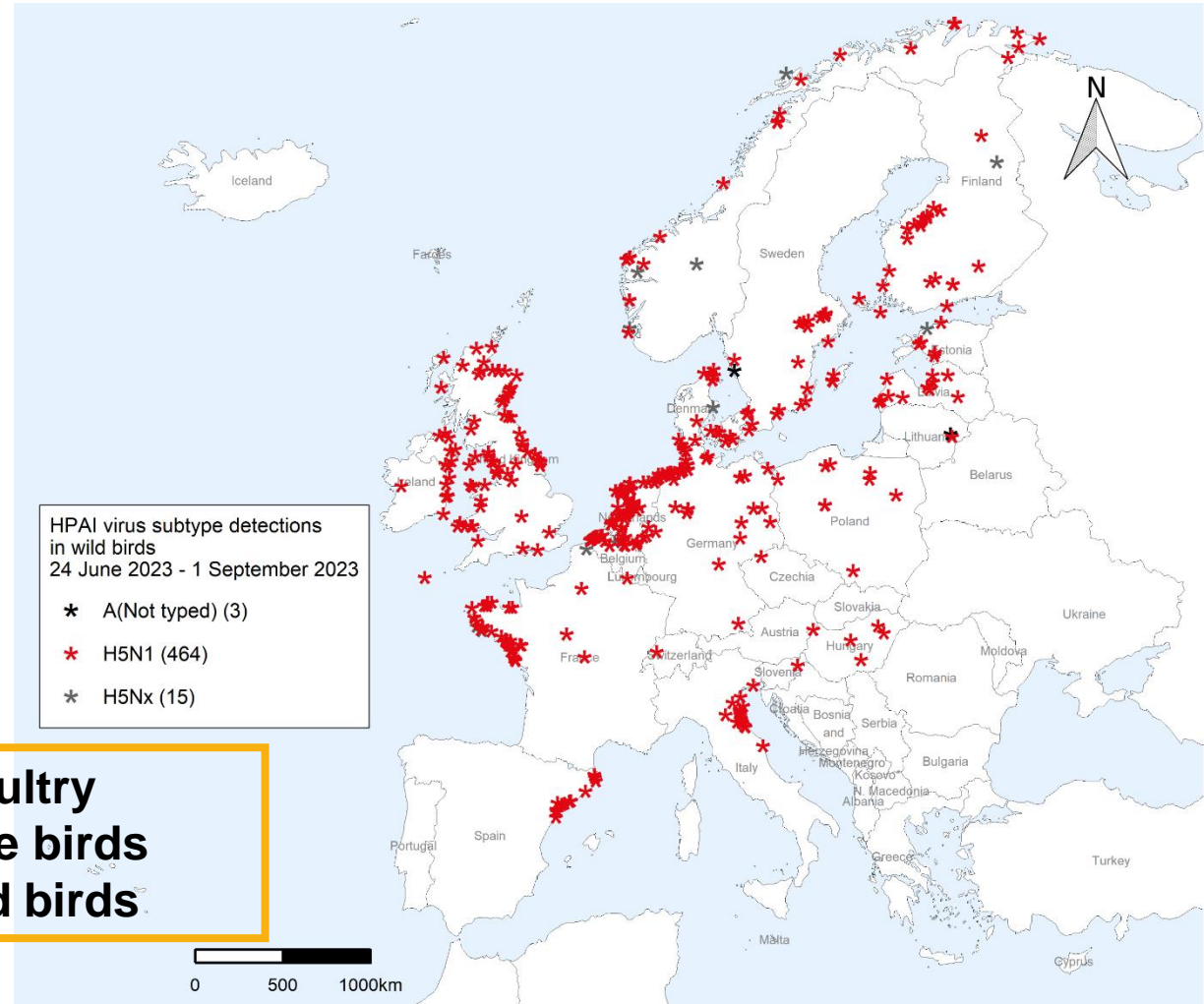


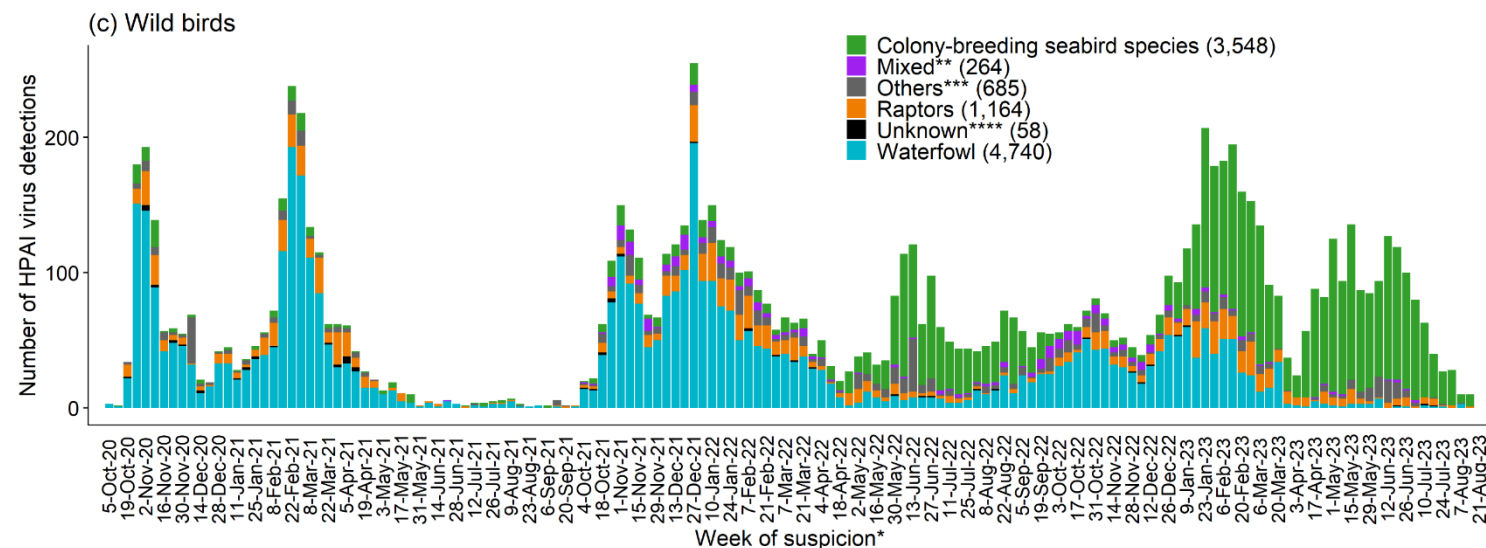
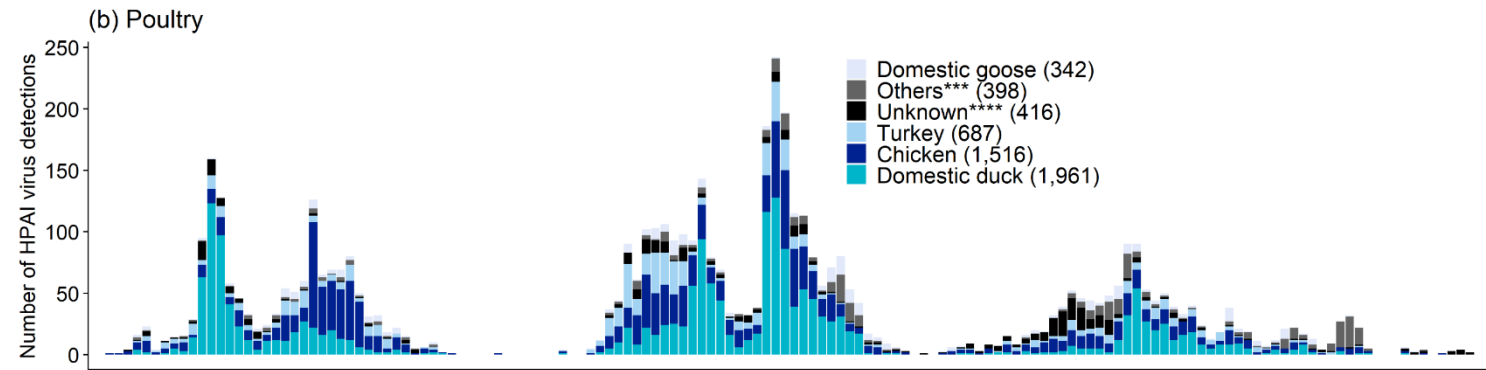
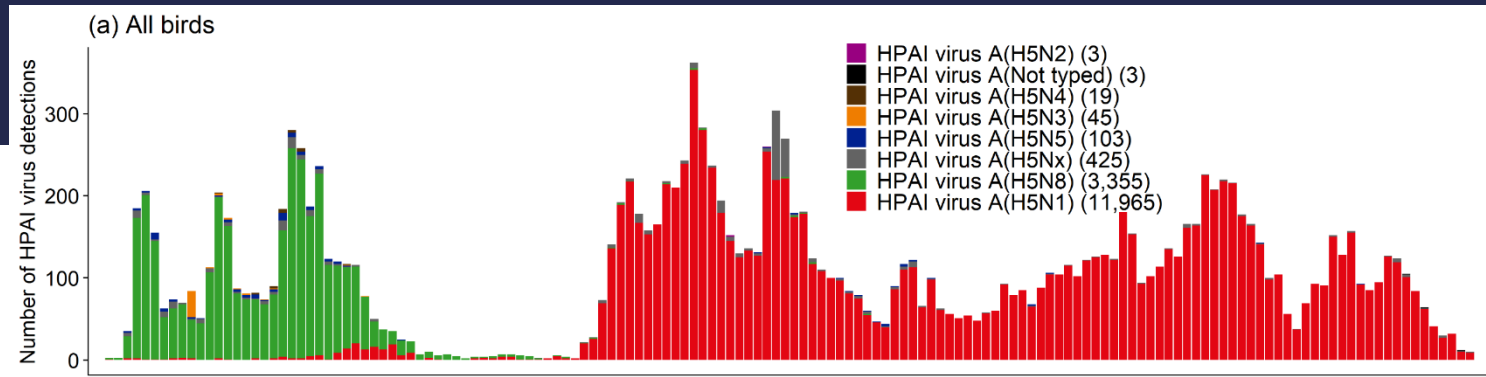
21 poultry
4 captive birds
482 wild birds

WILD BIRDS

HPAI virus subtype detections
in wild birds
24 June 2023 - 1 September 2023

- ★ A(Not typed) (3)
- ★ H5N1 (464)
- ★ H5Nx (15)

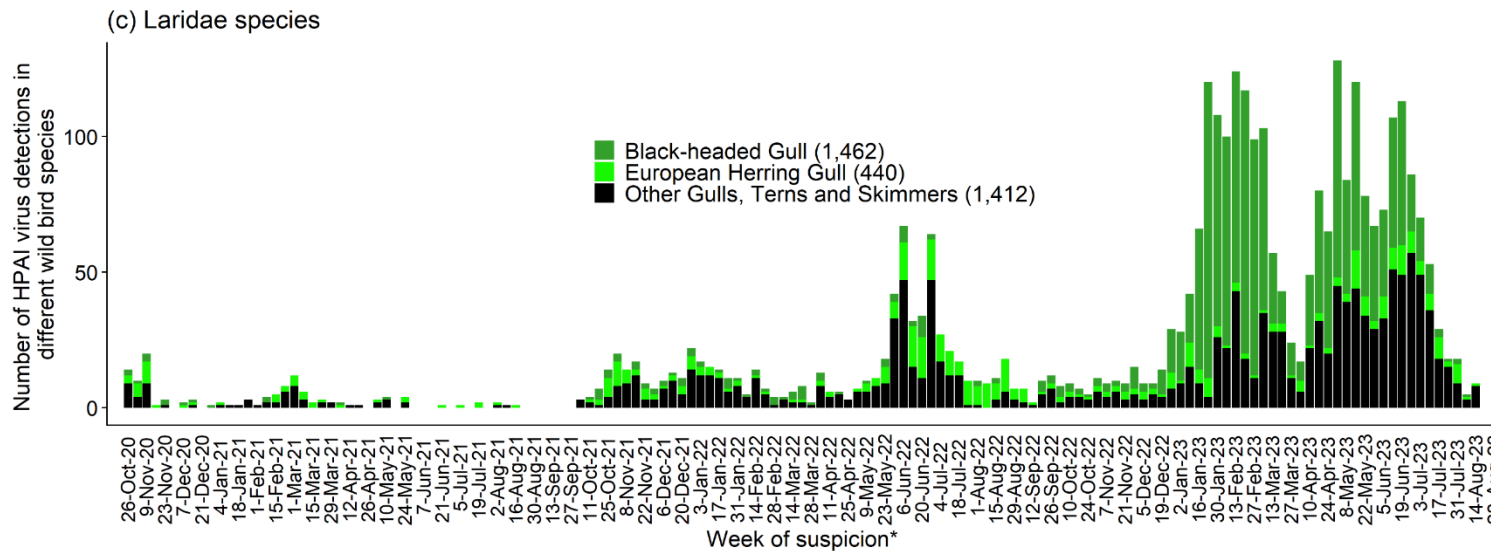
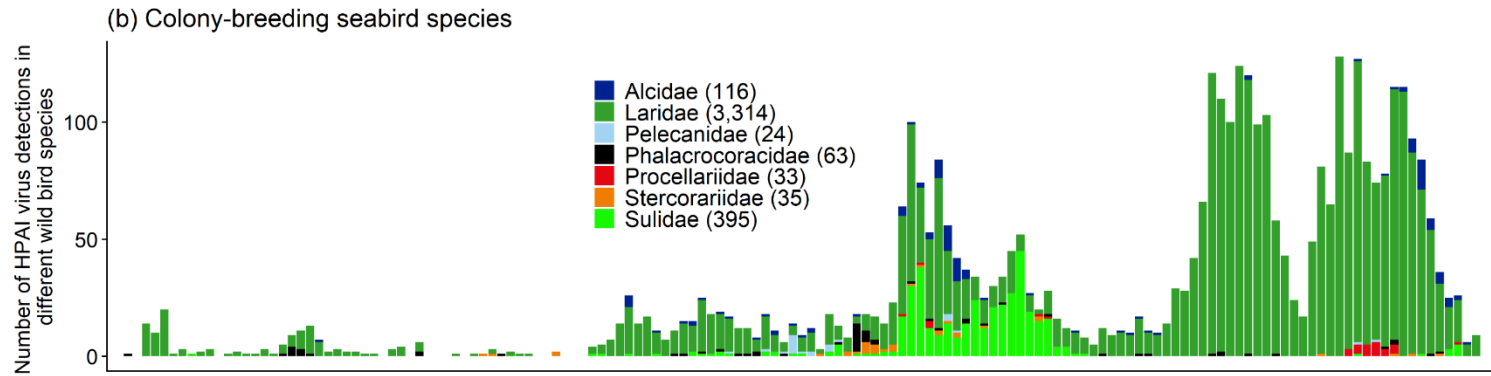
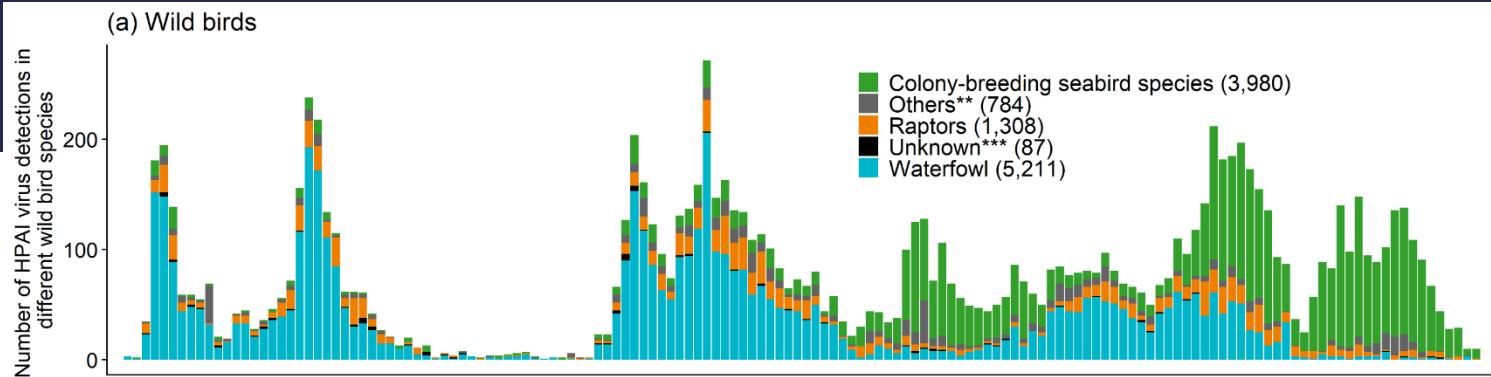




Temporal distribution in poultry and wild birds

- a) HPAI virus subtypes
- b) Poultry categories
- c) Wild bird categories

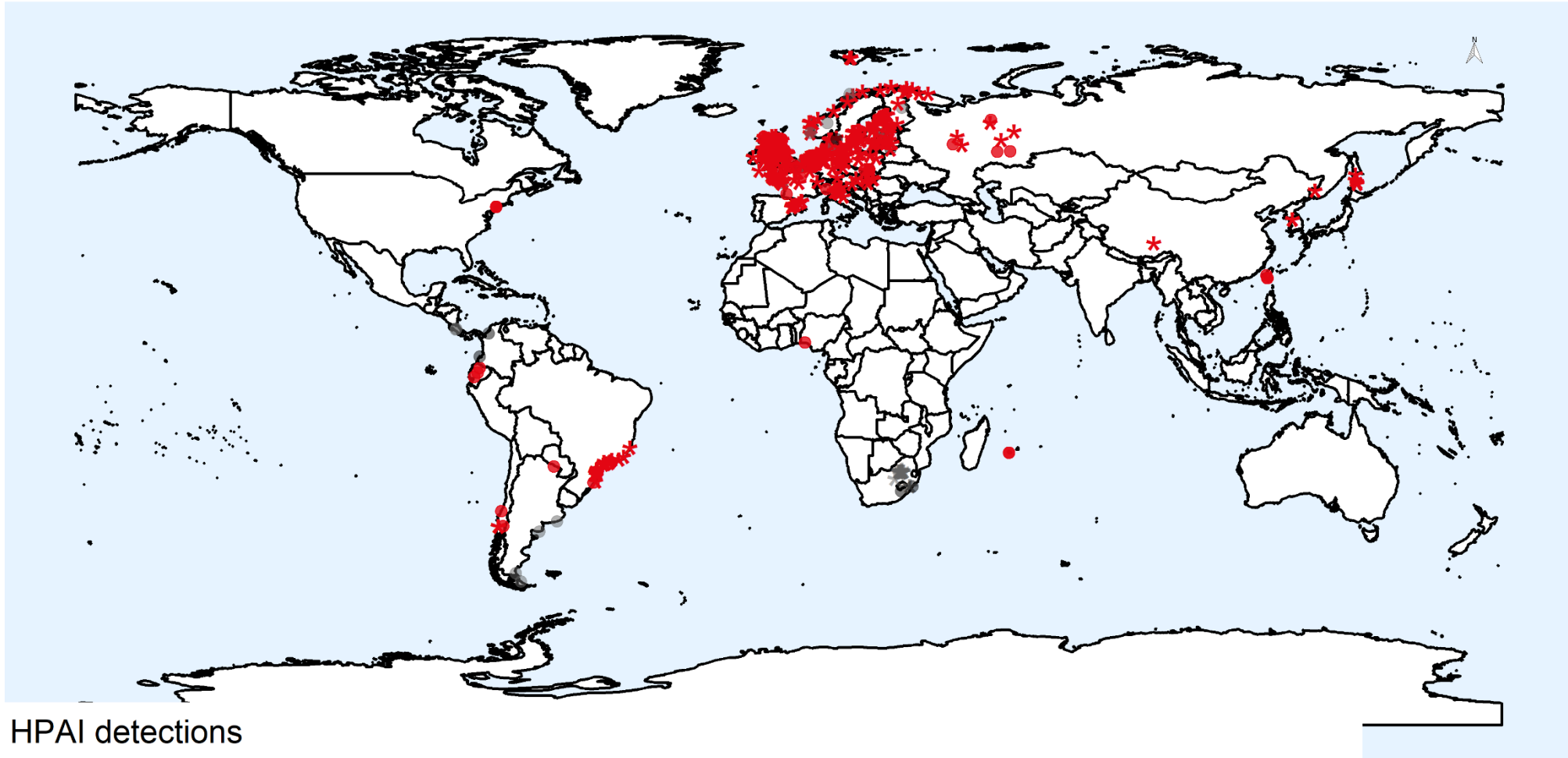




Temporal distribution of wild bird species involved



HPAI IN BIRDS | JUNE – SEPTEMBER 2023



HPAI detections

- A(H5N1), domestic birds (44)
- A(H5Nx), wild birds (21)
- A(Not typed), wild birds (7)
- * A(H5N1), wild birds (515)
- * A(Not typed), domestic birds (27)

Author: EFSA
Data sources: ADIS, WOA
Date updated: 01/09/2023



HPAI IN MAMMALS | JUNE – SEPTEMBER 2023

FARMED

- Fur farms (Finland):
Arctic fox, red fox,
common raccoon dog,
American mink
- Dog (China)

PET

- Cat (Rep. of Korea)



WILD

- Red fox: Finland, Latvia,
Norway, Sweden, UK
- Eurasian otter: Finland
- Harbour seal: Denmark,
Germany, USA
- Northern fur seal:
Russia
- South American sea
lion: Argentina,
Uruguay
- South American fur
seal: Uruguay
- Southern elephant seal:
Argentina



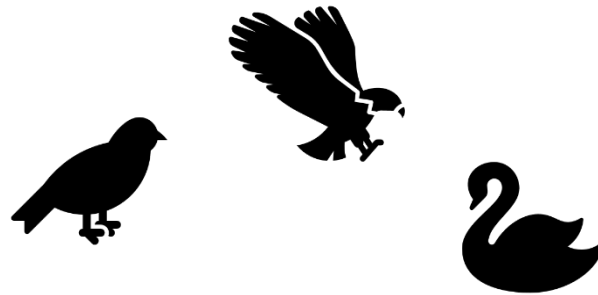
WHAT TO EXPECT

- In the coming weeks, **more HPAI outbreaks** are expected to occur in **poultry** in Europe due to the beginning autumn migration of several waterfowl species.
- It is expected that **HPAI outbreaks in wild birds will continue** and involve more waterfowl species than during the summer months. During this reporting period, mostly seabird species (Laridae, Alcidae, Sulidae) were affected.
- Most **HPAI** outbreaks in mammals during this reporting period were reported from South America. This is likely to continue.



OPTIONS FOR RESPONSE (WILD BIRDS)


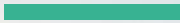
- Targeted **active surveillance** in wild birds, particularly in waterfowl
- Enhanced **species identification**
- Preparedness and prevention strategies in poultry production systems
- Timely generation and sharing of viral sequence data (promptly detection of viruses with mutations associated with increased zoonotic potential, resistance towards antiviral drugs or other antigenic properties)



OPTIONS FOR RESPONSE (MAMMALS)

- **Preparedness and prevention** strategies in fur animal production systems
- **Prompt culling** of all farmed mammals present on affected fur animal farms
- Increased **passive surveillance** in **wild and free-roaming domestic carnivores**, especially in areas with extensive HPAI virus spread in the wild bird population and reported outbreaks in poultry
- Particular focus on domestic mammals present **in or around HPAI-affected poultry establishments**
- Close **monitoring** of **unusual mortality** and **specific clinical signs** in those species
- Timely reporting of HPAI virus detections
- **Avoid exposure** of domestic cats and dogs, and in general carnivore pets, to dead or diseased animals (mammals and birds), and **avoid feeding** offal and raw meat from wild or kept birds





Thank you
for your attention!

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