



VETERINARY SURGEONS

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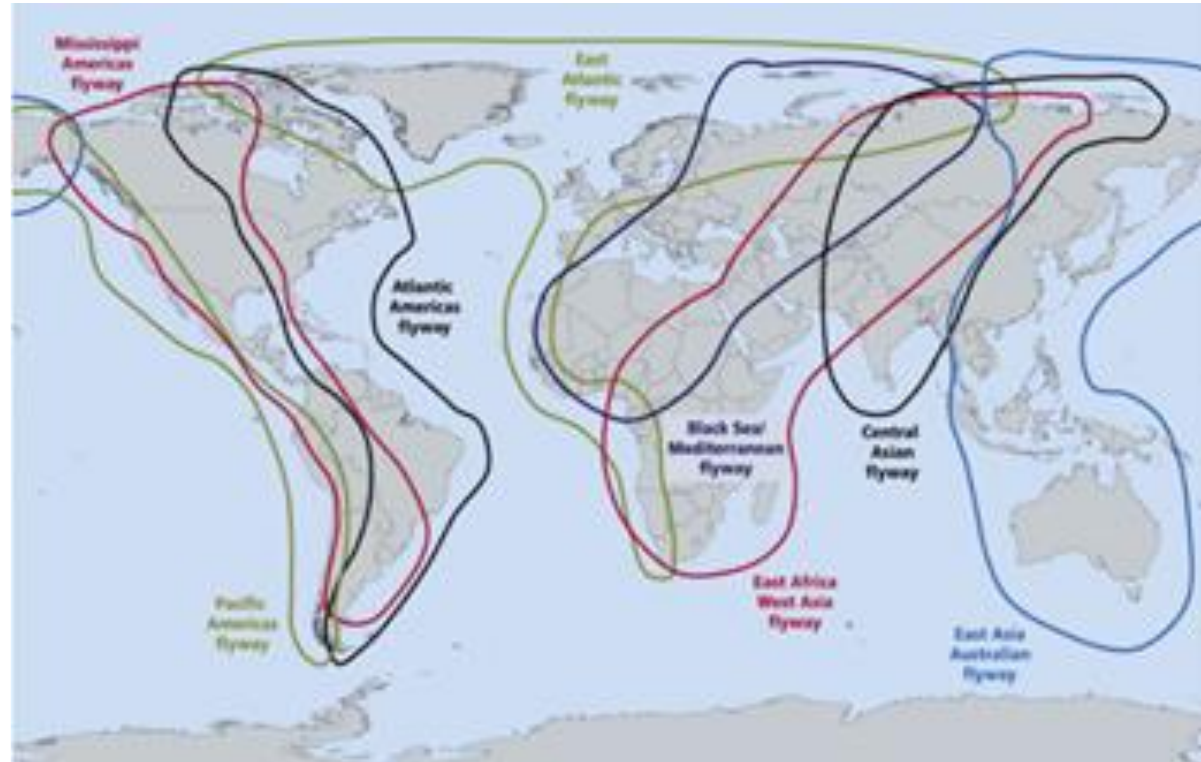
H5N1 Avian Influenza Outbreak UK 2022- 23

RICHARD JACKSON BVMS (HONS)MRCVS
ST DAVID'S POULTRY TEAM

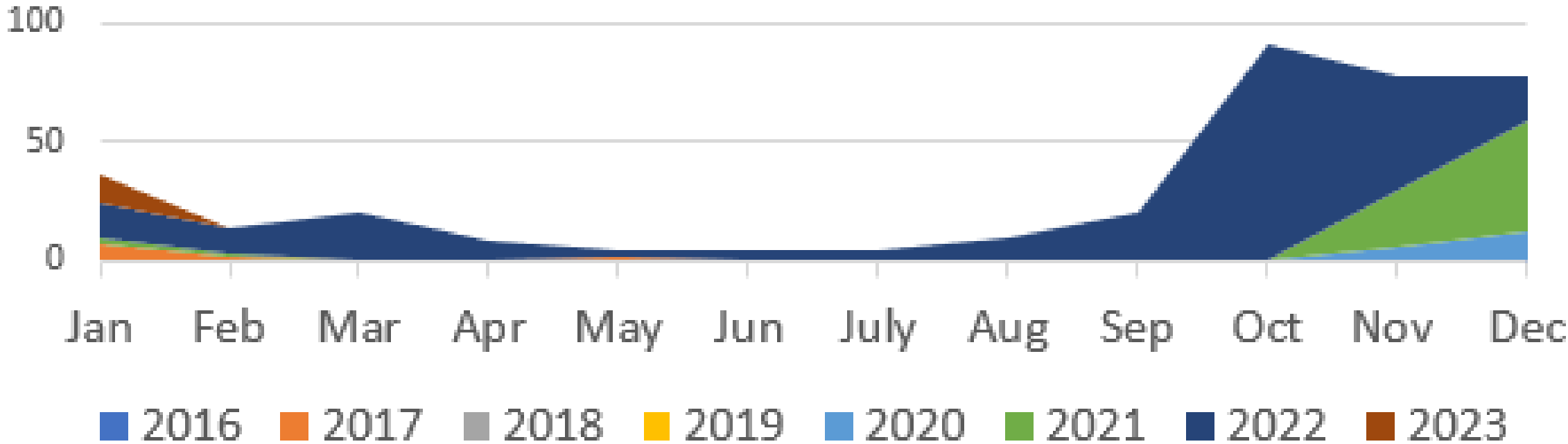


Avian Influenza outbreak

- Worst in history (1 76 cases in poultry since October 2022)!
- Oversummered!






HPAI in the UK: 2016-2023 (H5N8, H5N1)







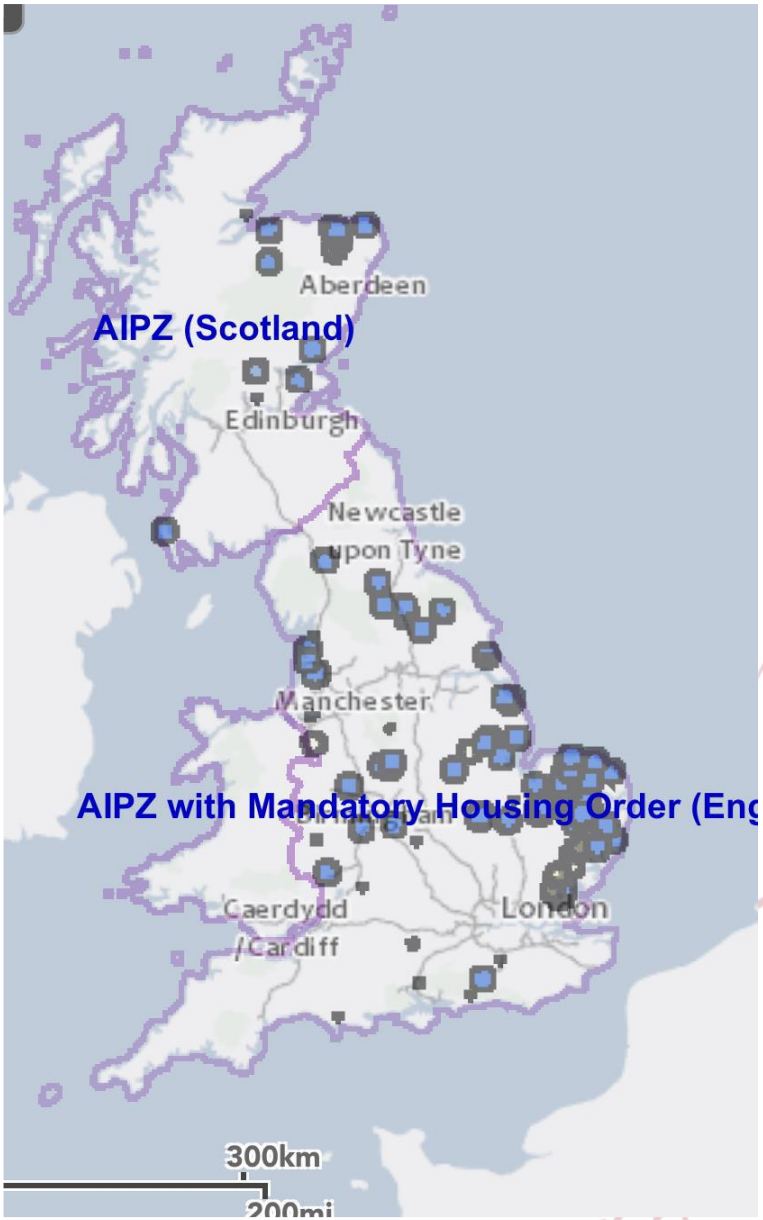
01/10/2022 - 26/01/2023

Control Zones 13/10/2022

-  3km Protection Zone
-  10km Surveillance Zone
-  3km Captive Bird (Monitoring) Controlled Zone

Regional Avian Influenza Prevention Zone

-  Avian Influenza Prevention Zone South West
-  AIPZ with mandatory housing



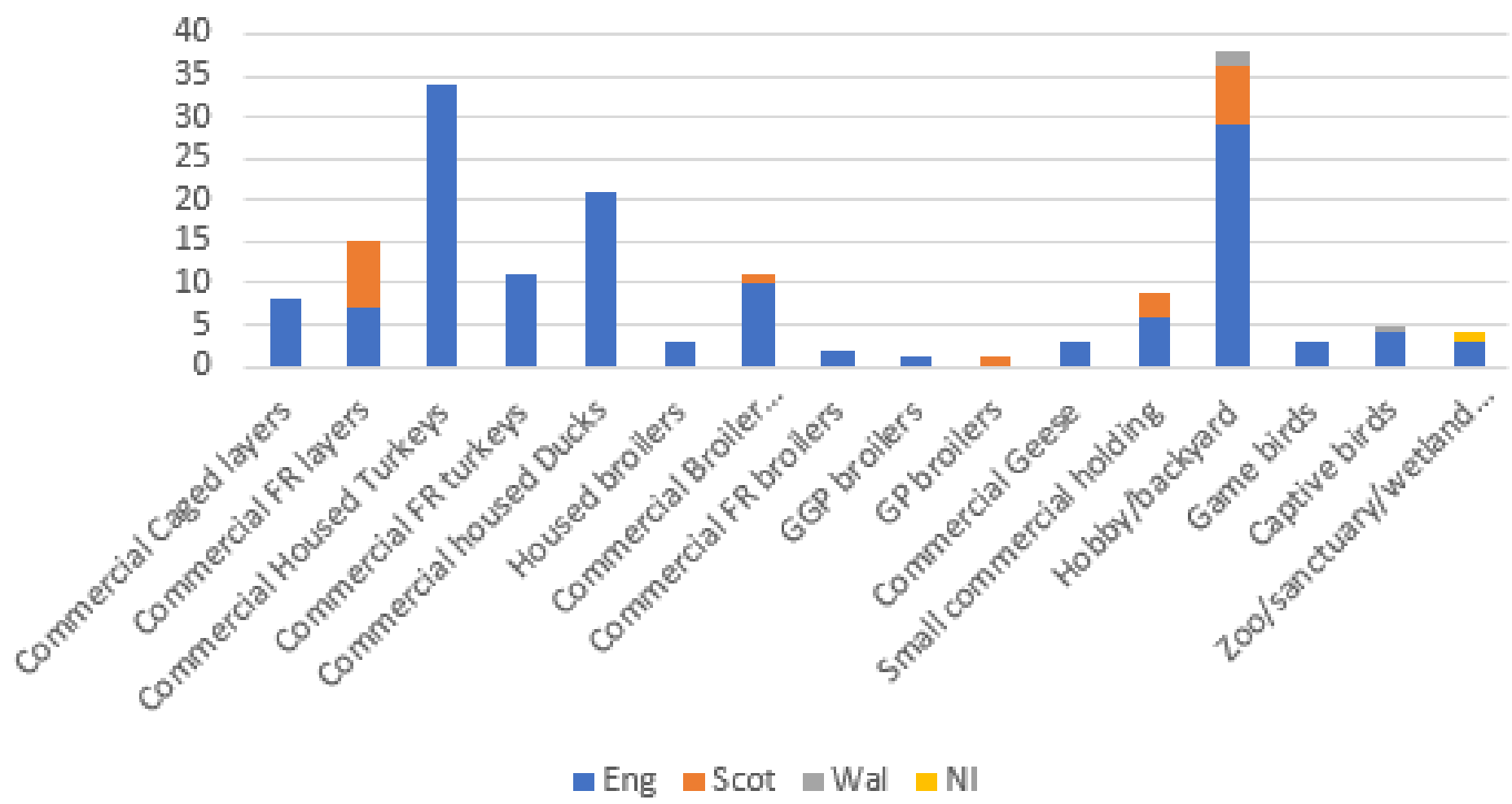
AIPZ (Scotland)

AIPZ with Mandatory Housing Order (England)

300km

200mi

IPs by country/premises

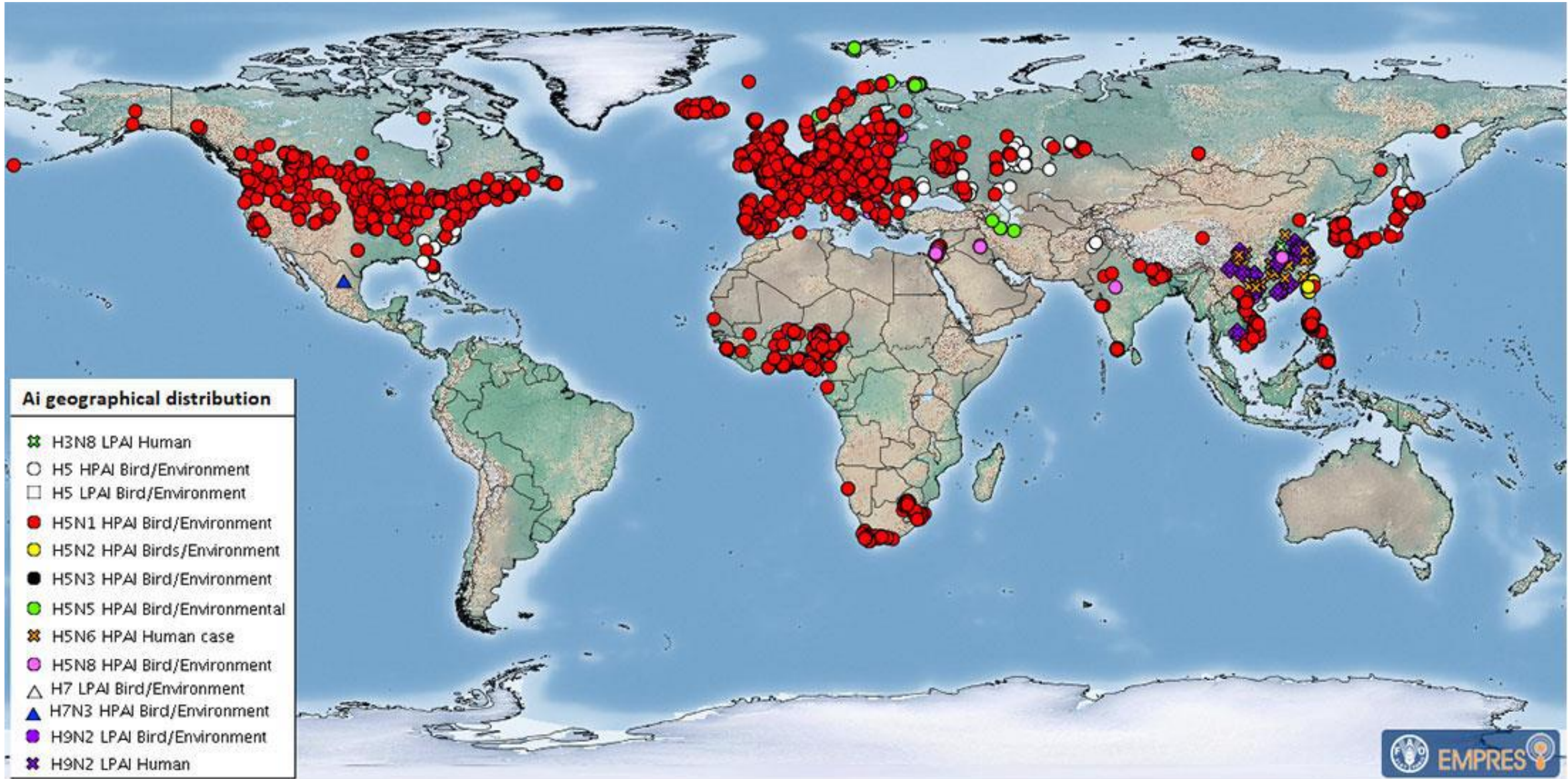




Map Prepared by: ICM
 Date: 02/03/2023
 Nautical Scale: 1:25,000,000

Highly Pathogenic Avian Influenza in Poultry, Captive and Wild Birds*
 September 2022 to February 2023
 Overlay: migratory bird flyways
 (* WOAH Data Only ** WOAH Defined)





Why was the 2021-23 outbreak so bad?

- Survivability?
- Lower amount of virus needed to infect birds?
- Greater ability to infect waterfowl?
- Airborne spread?

How did we tackle it?

- Most cases were fresh introductions and not spread between farms!
- Avian Influenza Prevention Zone.
- Housing Order.
- 3k and 10k zones.
- Licensing requirements for moving birds to and from farms in zones.
- Messaging!
- Stakeholder meetings!

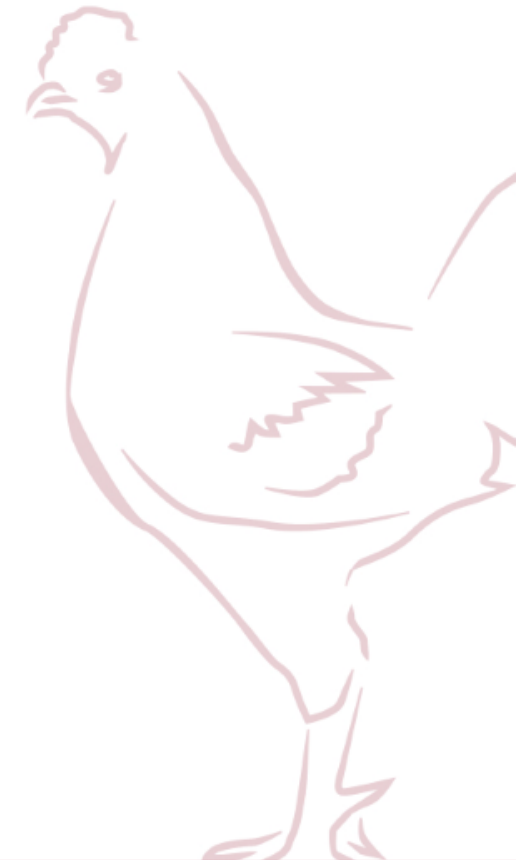
Entrances



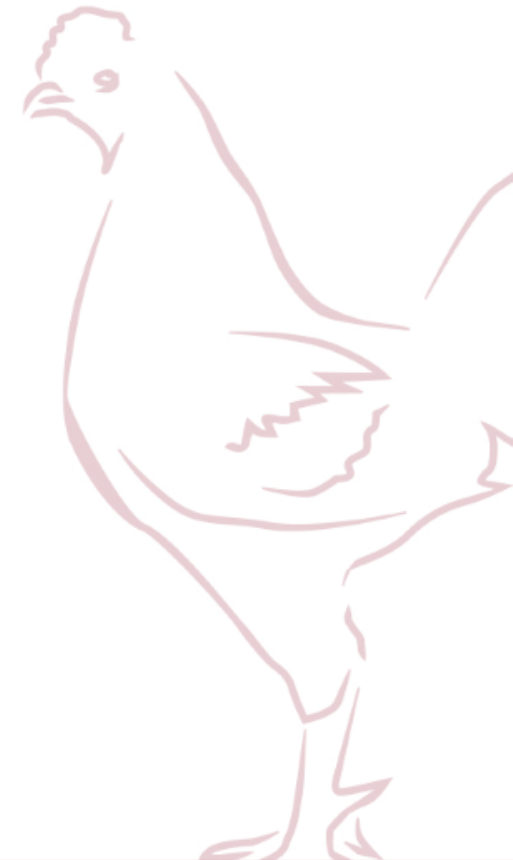
Site security and entrances



Vehicles coming onto site



Visitor book



Tidiness of site



Tidiness of site



Fallen stock



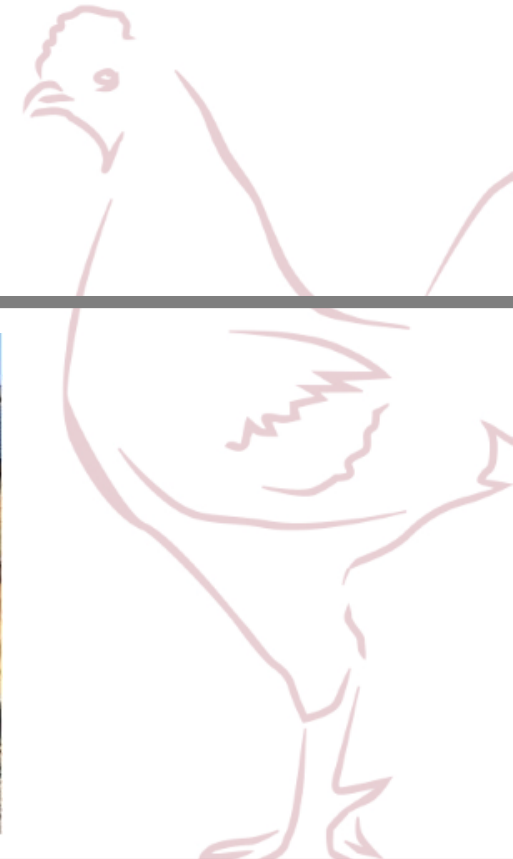
Shed maintenance



Shed maintenance



Shed maintenance



Concrete apron



Control / egg room



Inlets



Shed maintenance

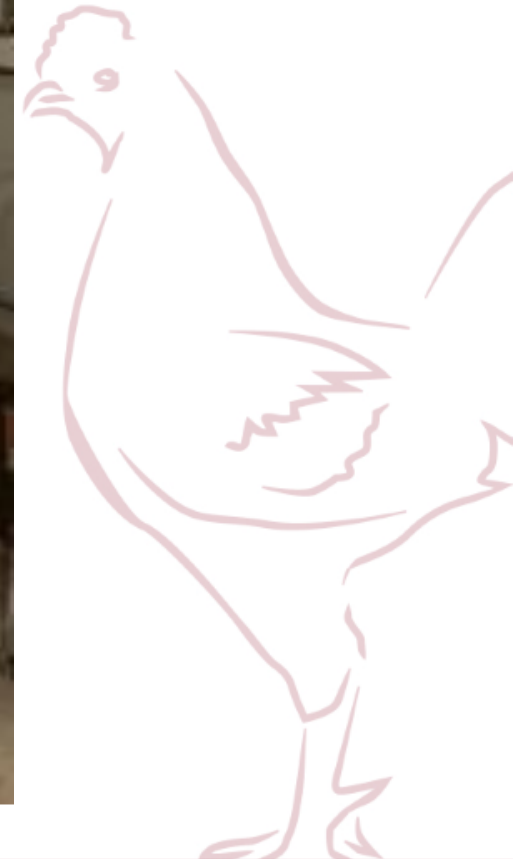




Feed spillages



Top-up bedding



Control / egg room



Foot dips



PPE



Vaccination

- Trials ongoing in Netherlands, France and Italy.
- Major trade issues.
- Vaccinated flocks will need to be tested monthly!

Any questions?

Thank you for your time