

EFSA's activities on HPAI

Lisa Kohnle

Standing Group of Experts on High Pathogenicity Avian Influenza in Europe







Provides independent scientific advice and support for EU risk managers and policy makers on food and feed safety

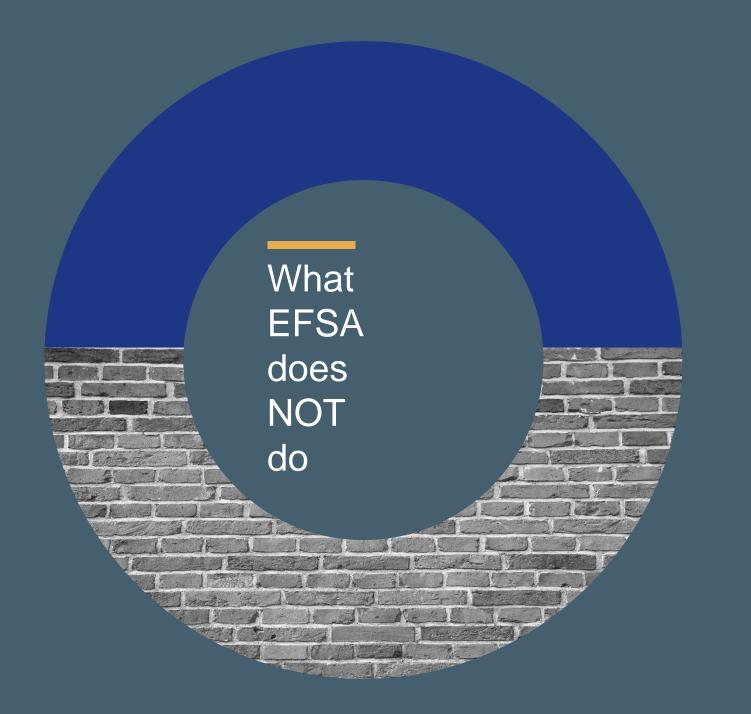


Provides independent, timely risk communication



Promotes scientific cooperation







Develop food safety policies & legislation



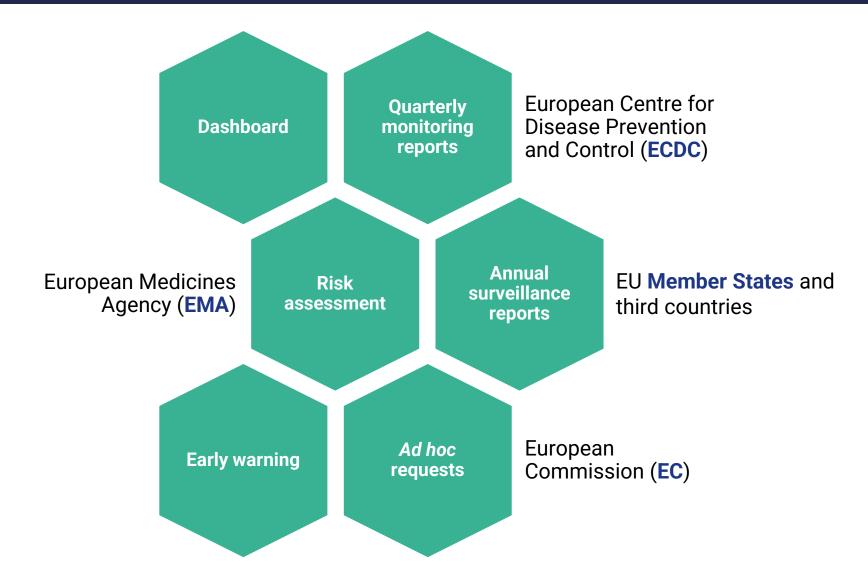
Adopt regulations, authorise marketing of new products



Enforce food safety legislation



OVERVIEW OF ACTIVITIES ON HPAI





QUARTERLY MONITORING REPORTS

- Update of the avian influenza situation in poultry, captive and wild birds in Europe and beyond
 - Spatio-temporal distribution
 - Evolution of the epidemic
 - Characteristics of the poultry production systems affected

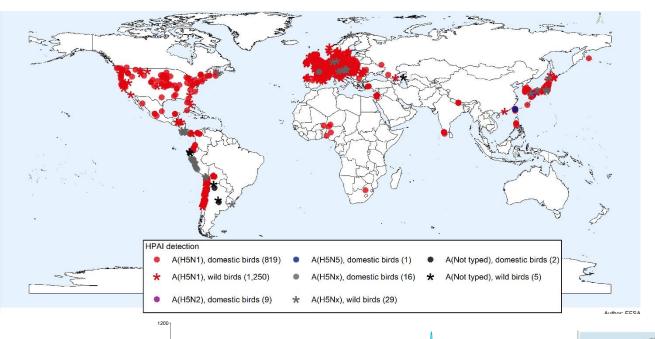


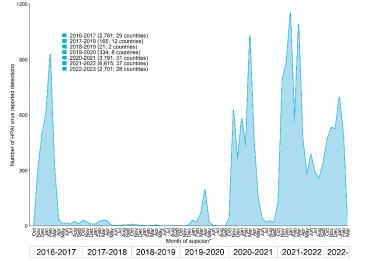


Currently published on a bimonthly basis



QUARTERLY MONITORING REPORTS





American black bear (Ursus americanus)

American mink (Neogale vison)

Amur leopard (Panthera pardus

Bottlenose dolphin (Tursiops tru

Rrown bear (Ursus arctos)

Cat (Felis catus)

Coyote (Canis latrans)

European polecat (Mustela putori

Fisher cat (Pekania pennanti)

Domestic pigs (Sus scrofa

Ferret (Mustela furo)

Grizzly bear (Ursus arctos horribilis)

Porpoise (Phocoena phocoena)

Harbour seals (Phoca vitulina)

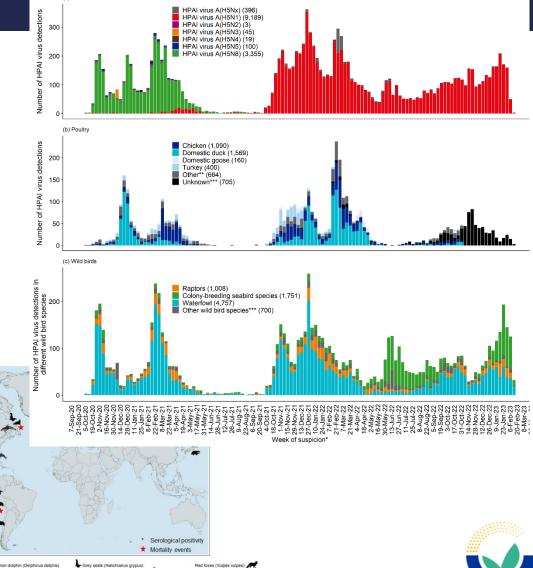
Raccoon (Procyon lotor)

South American fur seal (Arcto

Striped skunks (Mephitis mephitis) Virginia opossum (Didelphis virginiana)

South American sea Iion (Otaria flavescens)

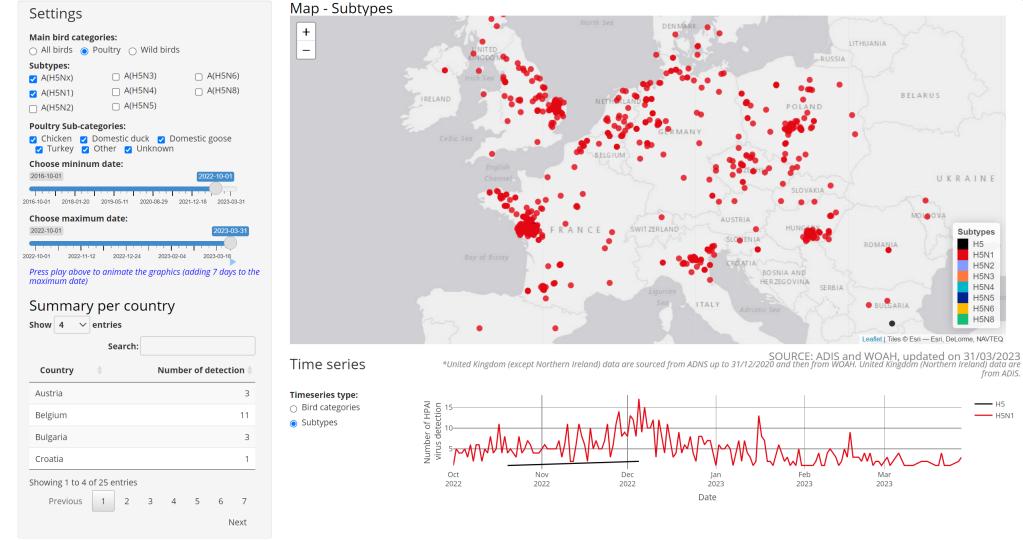
White-sided dolphin (Lagenorhynchus acutus)



DASHBOARD

http://hpai.efsa.aus.vet/

Highly pathogenic avian influenza virus detection in Europe





Dec

2022

2023

Date

2023

2023



from ADIS.

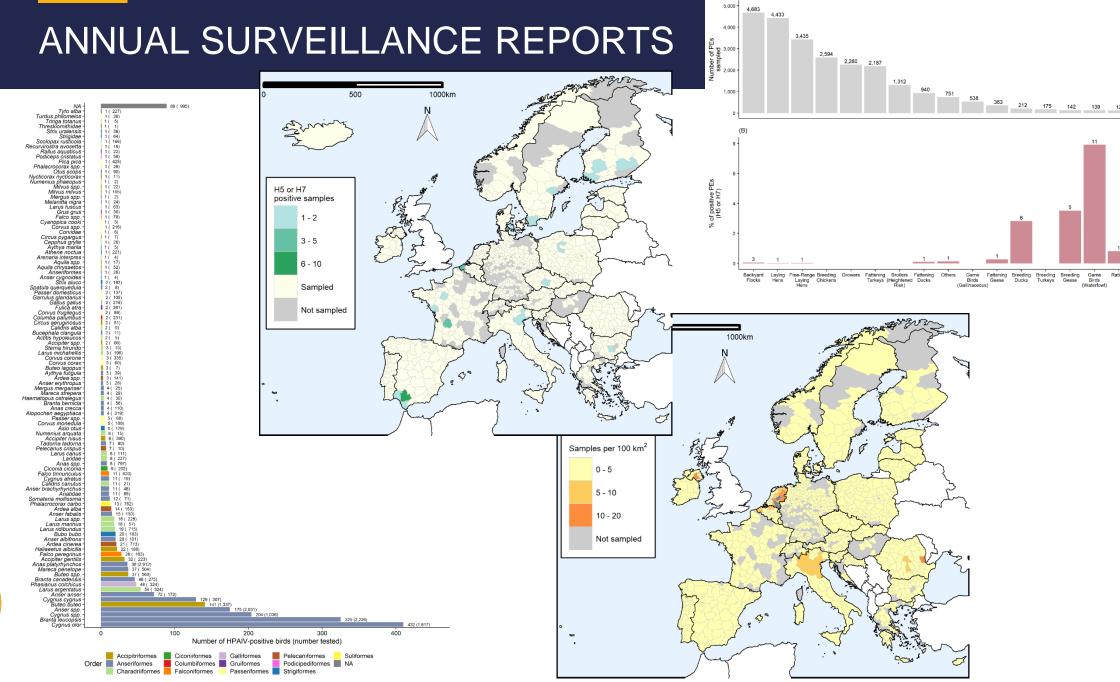


ANNUAL SURVEILLANCE REPORTS

- Collection, validation and analysis of data on surveillance activities submitted to EFSA by EU Member States and third countries
 - Active surveillance in poultry (mandatory)
 - Passive surveillance in dead and moribund wild birds (mandatory)
 - Active surveillance in wild birds, industry sampling and other voluntary activities









RISK ASSESSMENT AND REGULATORY SCIENCE

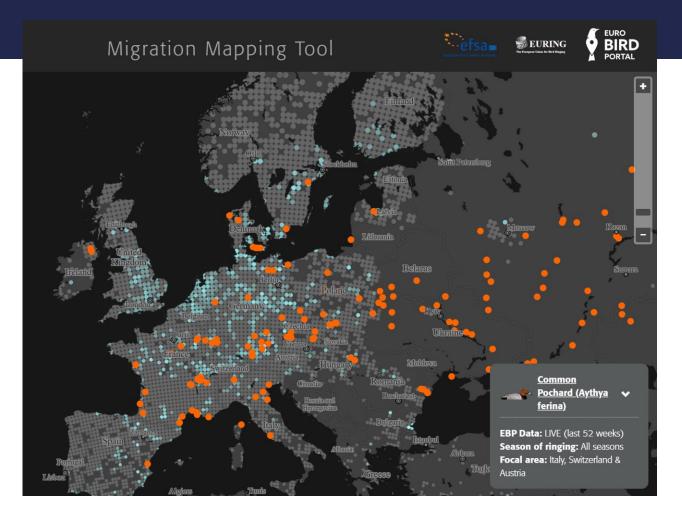
https://animal-diseases.efsa.europa.eu/HPAI

- Ongoing systematic literature reviews
- Control measures
 - Clinical and laboratory sampling procedures, monitoring period, minimum radius of protection and surveillance zones, minimum length of time for which risk-mitigating measures should be applied in the different zones
- Vaccination against HPAI in poultry
 - Available vaccines (July 2023)
 - Possible vaccination strategies as complementary prevention and control measures (*July 2023*)
 - Surveillance, restriction and risk-mitigating measures in vaccinated areas (March 2024)
- Listing and categorisation within the framework of Regulation (EU) 2016/429 ('Animal Health Law')



Migration Mapping Tool

- Displays spatio-temporal patterns of wild bird distributions (abundance and connectivity)
 - Seasonality
 - Migration
- Week-by-week at a resolution of 30x30 km
- Includes the 50 target species recommended by EFSA for passive surveillance of HPAI in wild birds

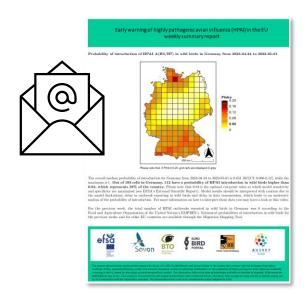


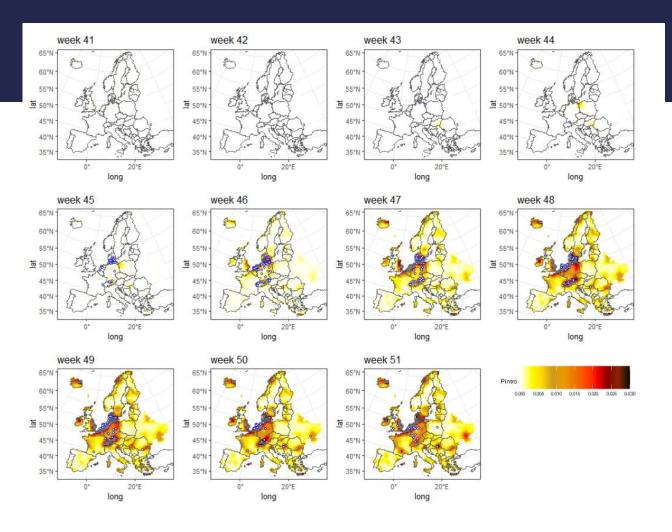
https://euring.org/research/migration-mapping



Bird Flu Radar

- Estimates the probability of HPAI virus introduction into wild birds
- Week-by-week at a resolution of 50x50 km
- Offers an alert messaging system





http://15.236.78.66:3838/hpai/





OPEN ACCESS

External scientific report | 🙃 Open Access

Development of a prototype early warning system for avian influenza in the EU based on risk-mapping

G. Gargallo 🔀 J.G. Davies, C. Faverjon, C. Kampichler, S.R. Baillie, A. Cameron, R.A. Robinson, H. Sierdsema

First published: 16 December 2022 | https://doi.org/10.2903/sp.efsa.2022.EN-7762

Bird Flu Radar

Personalised alert messages

Improvement and combination of models of wild bird abundance and connectivity

Exploration of climatic and water bird census data









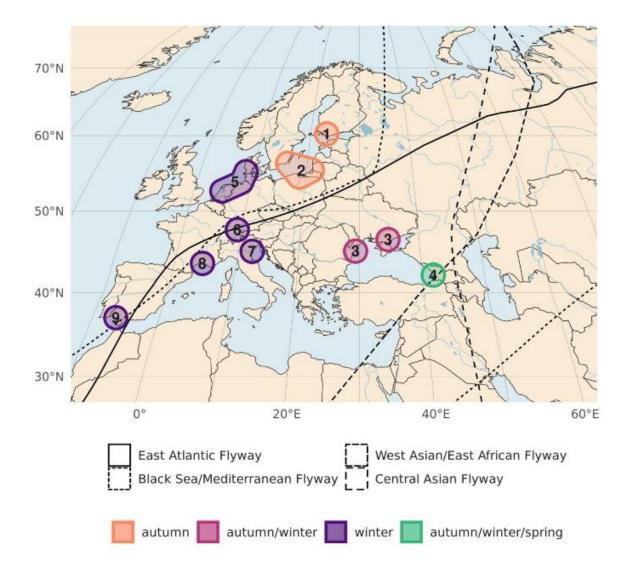




Inclusion of more wild bird species

Inclusion of movements originating outside the EU Assessment of risk of introduction and establishment in poultry





Active surveillance in wild birds

- Identification of key hosts, key areas and key times of the year for sampling
- Pilot studies in Georgia and Ukraine
- Combination of ornithological and genomic data





COLLABORATION



















EBCC

European Bird Census Council























STAY CONNECTED

SUBSCRIBE TO

efsa.europa.eu/en/news/newsletters efsa.europa.eu/en/rss Careers.efsa.europa.eu – job alerts



FOLLOW US ON TWITTER

@efsa_eu
@plants_efsa

@methods_efsa

nts_efsa @animals_efsa



FOLLOW US ON INSTAGRAM

@one_healthenv_eu



LISTEN TO OUR PODCAST

Science on the Menu –Spotify, Apple Podcast and YouTube



FOLLOW US ON LINKEDIN

Linkedin.com/company/efsa



CONTACT US

efsa.europa.eu/en/contact/askefsa



