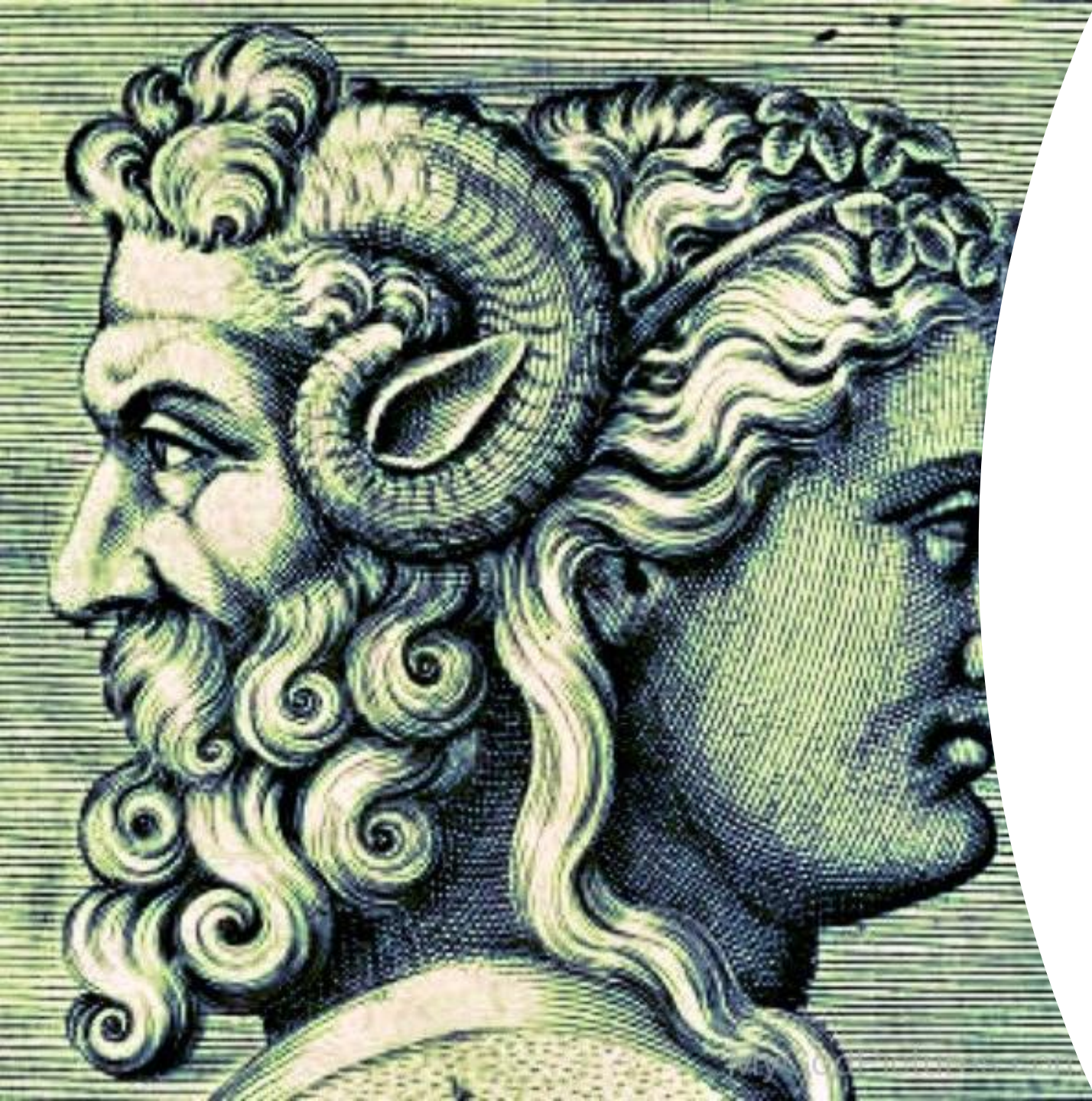




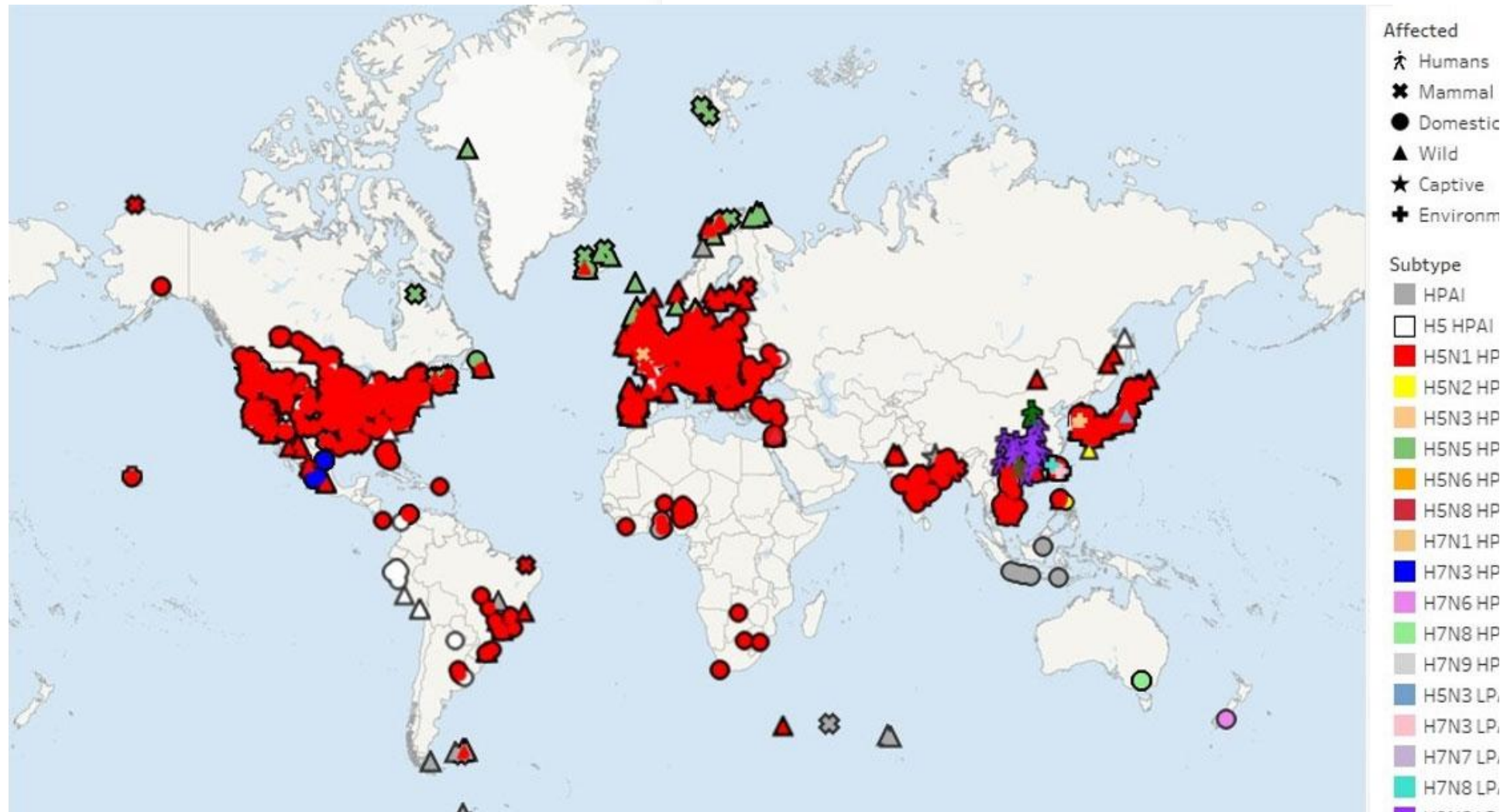
Progress on the road to vaccination

Dr Olivier Espeisse, DVM, MBA

Outline

- **Global situation and spread**
- WEO work with global organizations
 - WHO – World Health Organization
 - WOAH - World Organization for Animal Health
 - FAO – Food and Agriculture Organization
- Progress on the road to vaccination across the world

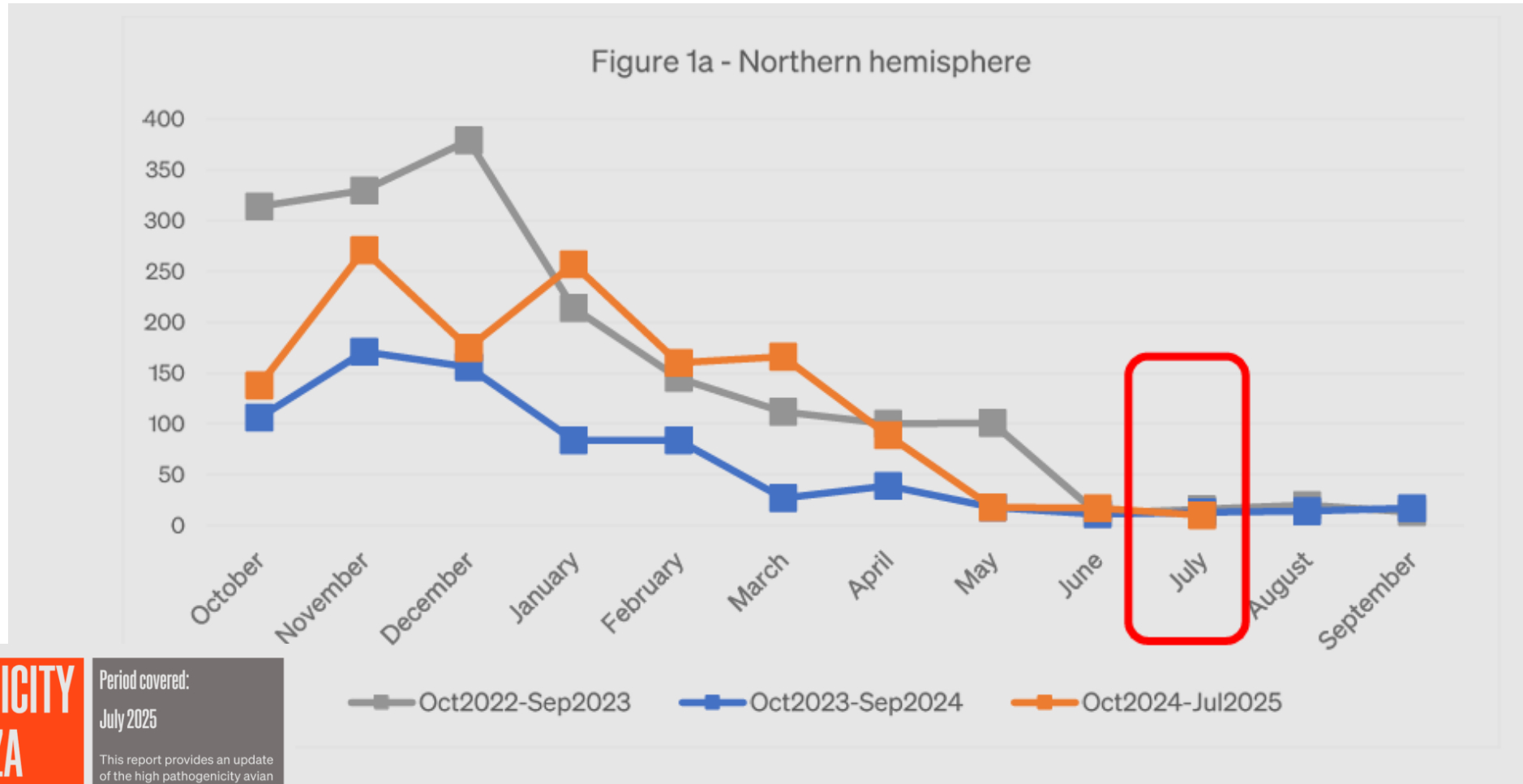
Global Situation



[Global AIV with Zoonotic Potential](#)

FAO August 28th since October 24

The last months in the Northern Hemisphere



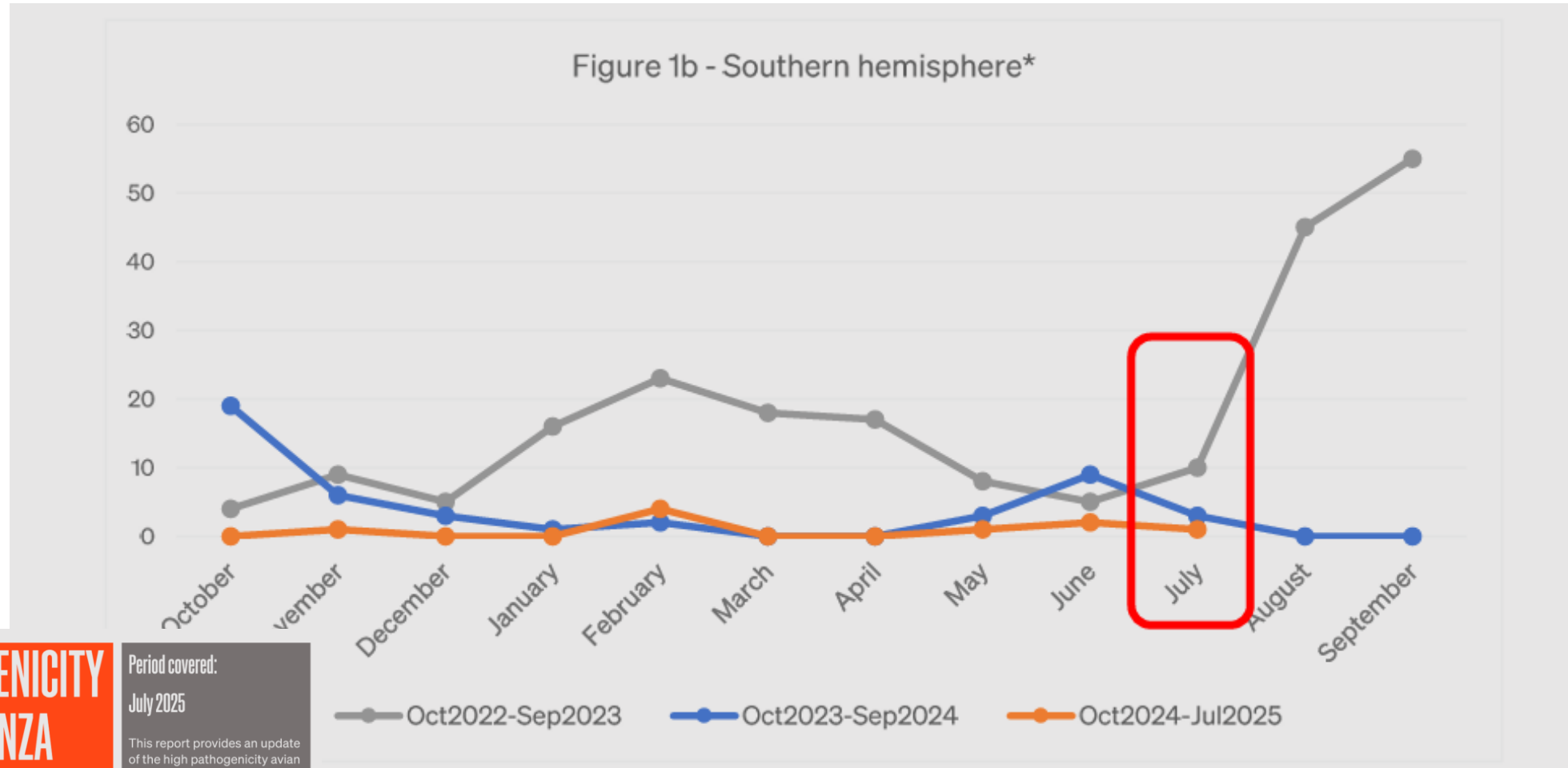
**HIGH PATHOGENICITY
AVIAN INFLUENZA
(HPAI)**

Situation Report 73

Period covered:
July 2025

This report provides an update of the high pathogenicity avian influenza (HPAI) situation, according to the information submitted to the World Organisation for Animal Health.

The last months in the Southern Hemisphere



**HIGH PATHOGENICITY
AVIAN INFLUENZA
(HPAI)**

Situation Report 73



Situation in Europe

- Domestic birds : Sporadic cases during the summer. The burden of the past season (8/2024 to 8/2025) was essentially in Hungary (293 declarations) and Poland (110 cases). New cases in Bulgaria (ducks), Germany, Portugal
- Wild birds : Decrease since February 2025 with **pick-up in June**, especially on seagulls in NE Europe. Numerous detections in UK with some spillover in domestic birds

Outline

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WHO



World Health
Organization

- WEO side event at the last WHO general assembly ¹
- WHO assesses the pandemic risk
- Today still classified as « low »¹
 - Poultry workers more exposed
- Continuous flow of human cases in the last months in SE Asia
- Mammal to mammal transmission suspected in several cases
- *It's too early, and then it's too late*



² [fao-woah-who-joint-h5-assessment-july-2025.pdf](#)

¹ [Tackling Avian Flu Together: Side Event at WHA78 - World Egg Organisation](#)

International Symposium Avian Influenza 2025

11TH INTERNATIONAL
SYMPOSIUM ON
AVIAN INFLUENZA
ST. JOHN'S, CANADA | JUNE 24-26, 2025

PRESENTED BY: 



EVENT PROGRAM

- Vaccination trials
 - Search for an oral vaccine
- Scientific consensus
 - HPAI is here to stay
 - Source of new outbreaks wild birds
 - Vaccination is efficacious and safe in preventing transmission
 - If vaccination is thorough, mutation risk is under control

WOAH



- WOAH endorses vaccination as a strategic management tool.
- WOAH affirms that vaccination should not impede trade, provided surveillance is reinforced
- This support was reaffirmed at the May 2025 General Session (Resolution 29)¹
- As a result
 - New Global Strategy supporting vaccination common with **FAO**
 - New Chapter of the **Manual** on HPAI approved at the last GS
 - **Code** Commission work on zoning that should facilitate vaccination

[1 2025-92gs-resolutions-final-en.pdf](#)

WOAH/FAO

- **Global Strategy for the Prevention and Control of High Pathogenicity Avian Influenza**
- Vaccination guidance
- Research on mass-applied vaccines and new surveillance methods
- One Health approach



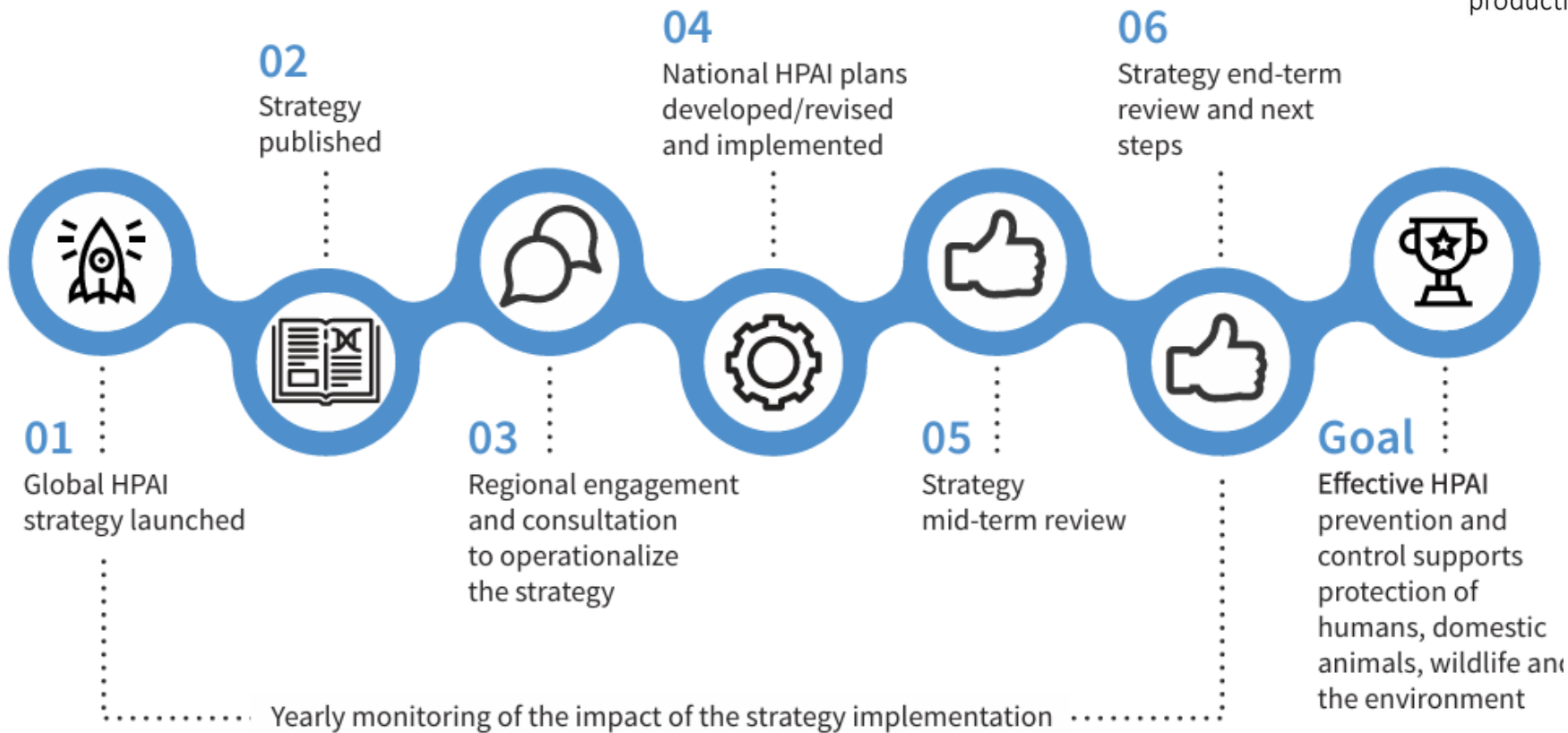
Global Strategy for the Prevention and Control of High Pathogenicity Avian Influenza (2024–2033)

Achieving sustainable, resilient poultry production systems



WOAH/FAO

FIGURE 2. Overview of actions supporting strategy implementation



Global Strategy for the Prevention and Control of High Pathogenicity Avian Influenza (2024–2033)

Achieving sustainable, resilient poultry production systems



FAO



Outline

- Global situation and spread
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- **Progress on the road to vaccination across the world**

Vaccination in the EU



- Regulation 2023/361 on **surveillance of vaccinated birds**
 - Weekly enhanced passive surveillance of dead birds
 - Monthly active surveillance by veterinarians
 - Clinical review
 - Sampling of 60 birds for virological testing
- Regulation 2023/361 under revision
 - **Publication foreseen end of 2025**
 - Under review from EU Member States, **agreement on HPAI reached**
 - Should be in line with EFSA recommendations
 - Focus on dead birds testing as more effective for early detection
 - Several proposals : testing intervals, % of farms tested, # birds





Vaccination in the UK

- Report of the independent TF published last July
- No legislative change necessary if vaccination should be implemented
- 3 vaccines authorised (chicken)
- Assessment surveillance schemes
 - 10 dead birds/**house**/week
 - Vaccination effectiveness serologies
- **Issues in veterinary and laboratory capacity**
- Cost-benefit analysis
- Turkey trial envisioned



Vaccination in France

- Duck vaccination campaign renewed
- Less support from State – farmers share of costs increased
- New trial on **heterologous** vaccination in ducks

Vaccination in the Netherlands

- Field study
 - Vaccinated birds regularly challenged in laboratory
 - Assessment of transmission
 - Results 24-week challenge available¹
 - 2 additional challenges will be published end of 2025
- Pilot vaccination program (real life vaccination)
 - Started March 2025
 - Eggs consumed on Dutch market
 - No trade issue
 - EU licensed vaccine



¹ <https://research.wur.nl/en/publications/progress-report-transmission-study-testing-hvt-h5-vaccine-against>

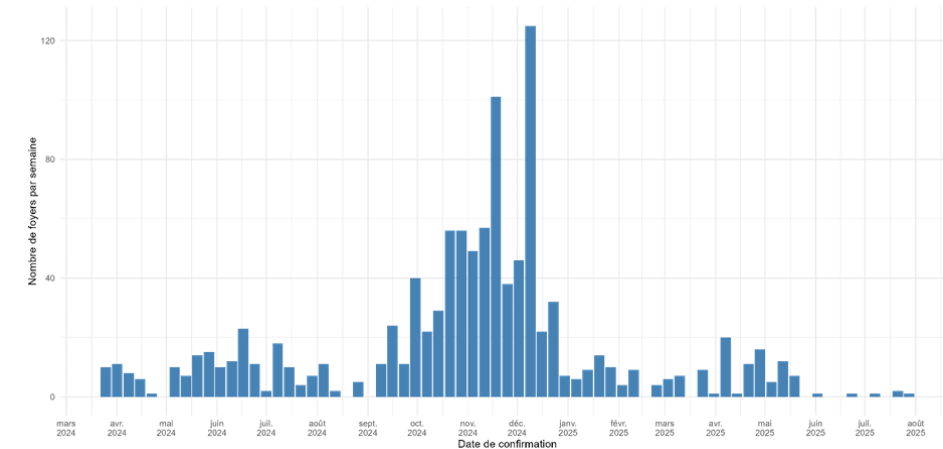
Vaccination in the rest of the world

- Information coming on USA, South Africa, Colombia
- *Status Quo* in Latin America
- Philipinnes started vaccination in layers & breeders
- Singapore registered vaccines



One word on dairy

- Epidemiology (pathways of interfarm transmission) still not understood
- WOAHA made cattle case declaration mandatory
- Cases in the US seem on the wane



J. Dairy Sci. 108:6513–6537
<https://doi.org/10.3168/jds.2024-26222>

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Invited review: The One Health challenges and opportunities of the H5N1 outbreak in dairy cattle in the United States

J. Lombard,^{1*} C. Stenkamp-Strahm,¹ B. McCluskey,^{1†} C. Abdul-Hamid,² C. Cardona,³ B. Petersen,⁴ and K. Russo⁵

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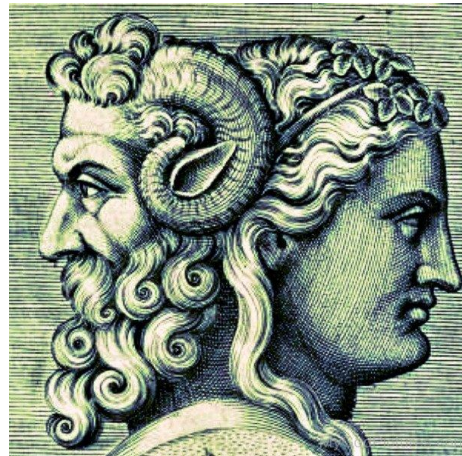
⁴Sunrise Veterinary Service PLLC, Amarillo, TX 79108

⁵RSM Consulting, Fort Collins, CO 80528

So what ?

If we look back.....

- Panzootic global disease
- Wild bird circulation permanent
- HPAI will continue to surprise us in unexpected ways
- HPAI is getting closer to being pandemic



If we look forward.....

- Vaccines are existing and prevent transmission if properly chosen & administered
- Vaccination is supported by global organizations
- Poultry vaccination protects human health
- Increased surveillance necessary
- Biosecurity (wild bird origin) remains truly essential