European Commission

Update on avian influenza

PAFF Meeting
28 February – 1 March 2018

Health and Food Safety

HPAI in poultry, captive birds & wild birds 01/10/2016 -28/02/2018

MEMBER STATE	WILD BIRDS	POULTRY	CAPTIVE BIRDS
GERMANY	1261	92	15
FRANCE	72	486	3
ITALY	24	83	
NETHERLANDS	186 (+3)	10 (+1)	11 (+1)
BELGIUM	4	2	13
LUXEMBOURG			4
UNITED KINGDOM	81 (+42)	13	
IRELAND	10 (+1)		
DENMARK	77	1	1
GREECE	12	6	
SPAIN	3	10	
PORTUGAL	1		
AUSTRIA	21	2	1
FINLAND	14		1
SWEDEN	38 (+1)	4	2
CYPRUS	1		
CZECH REPUBLIC	49	38	1
HUNGARY	196	240	5
POLAND	303	65	
SLOVENIA	273		
BULGARIA	20	76	2
LITHUANIA	13		
ROMANIA	143	45	2
SLOVAKIA	252	9	2
CROATIA	48	11	
Total	3149	1194	64

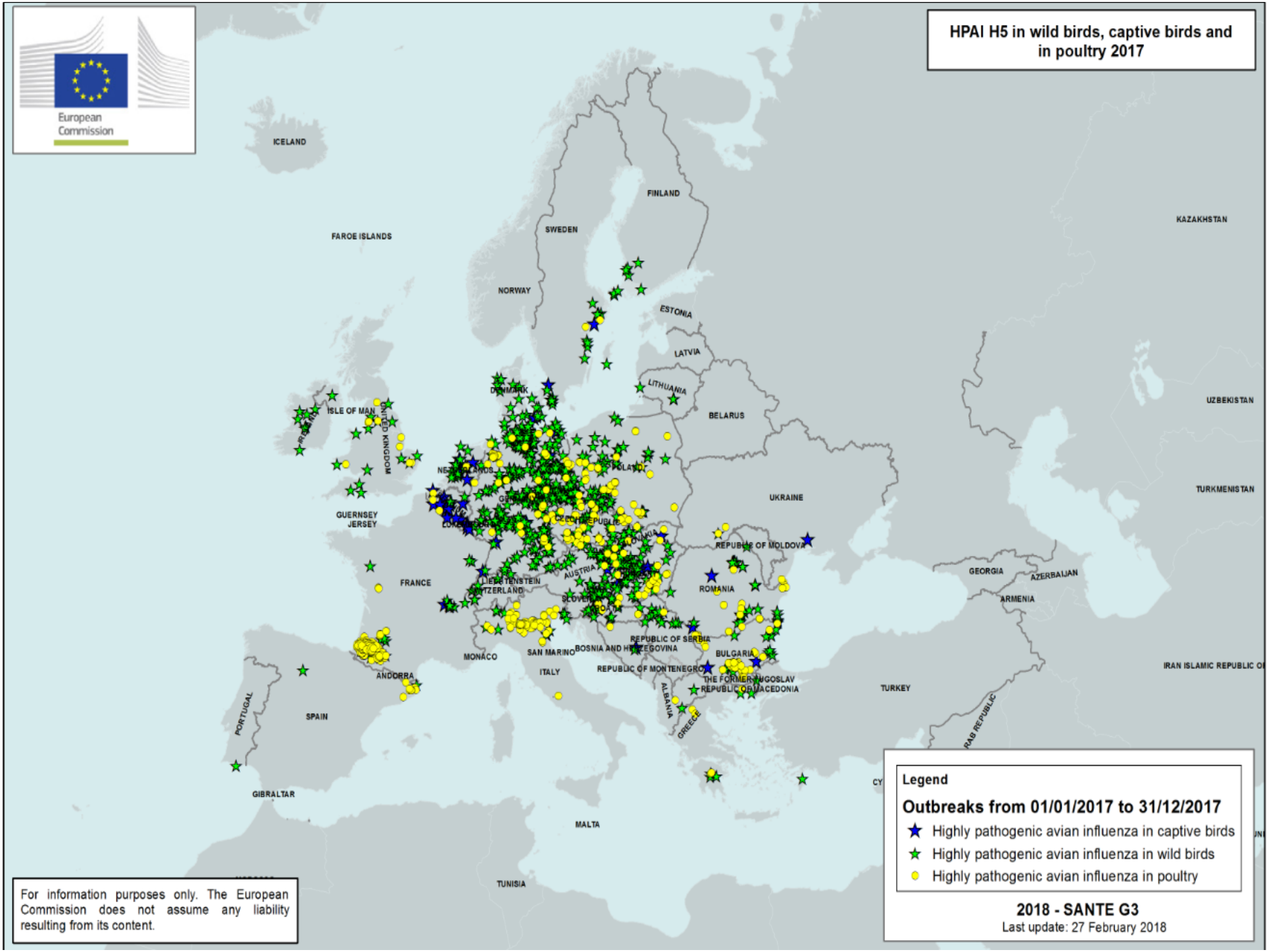
Member States with outbreaks/ cases in 2018 *(incl.in total)*

Poultry

Wild birds

Captive birds

Only findings in wild birds


HPAI H5 in wild birds, captive birds and in poultry 2017
European Commission
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FAROE ISLANDS
FINLAND
SWEDEN
NORWAY
ESTONIA
LATVIA
LITHUANIA
BELARUS
KAZAKHSTAN
UZBEKISTAN
TURKMENISTAN
DENMARK
IRELAND
ISLE OF MAN
UNITED KINGDOM
NETHERLANDS
POLAND
GERMANY
CZECH REPUBLIC
UKRAINE
GUERNSEY
JERSEY
REPUBLIC OF MOLDOVA
AUSTRIA
LIECHTENSTEIN
SWITZERLAND
FRANCE
ROMANIA
GEORGIA
AZERBAIJAN
ARMENIA
REPUBLIC OF SERBIA
BOSNIA AND HERZEGOVINA
BULGARIA
MONACO
SAN MARINO
ITALY
REPUBLIC OF MONTENEGRO
THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
ALBANIA
GREECE
ANDORRA
SPAIN
PORTUGAL
GIBRALTAR
MALTA
TUNISIA
TURKEY
IRAN ISLAMIC REPUBLIC
Legend
Outbreaks from 01/01/2017 to 31/12/2017
Highly pathogenic avian influenza in captive birds
Highly pathogenic avian influenza in wild birds
Highly pathogenic avian influenza in poultry
2018 - SANTE G3
Last update: 27 February 2018
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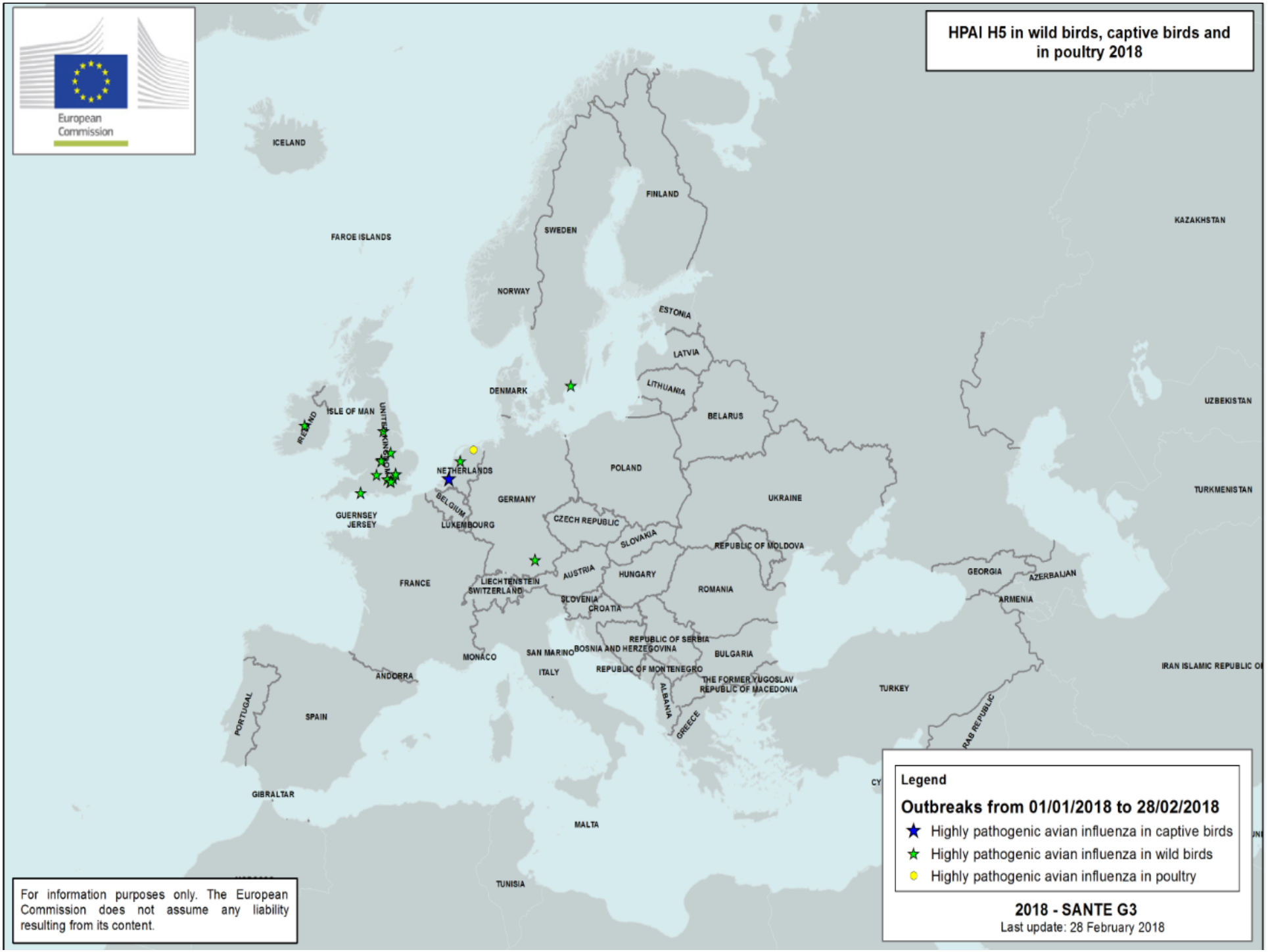
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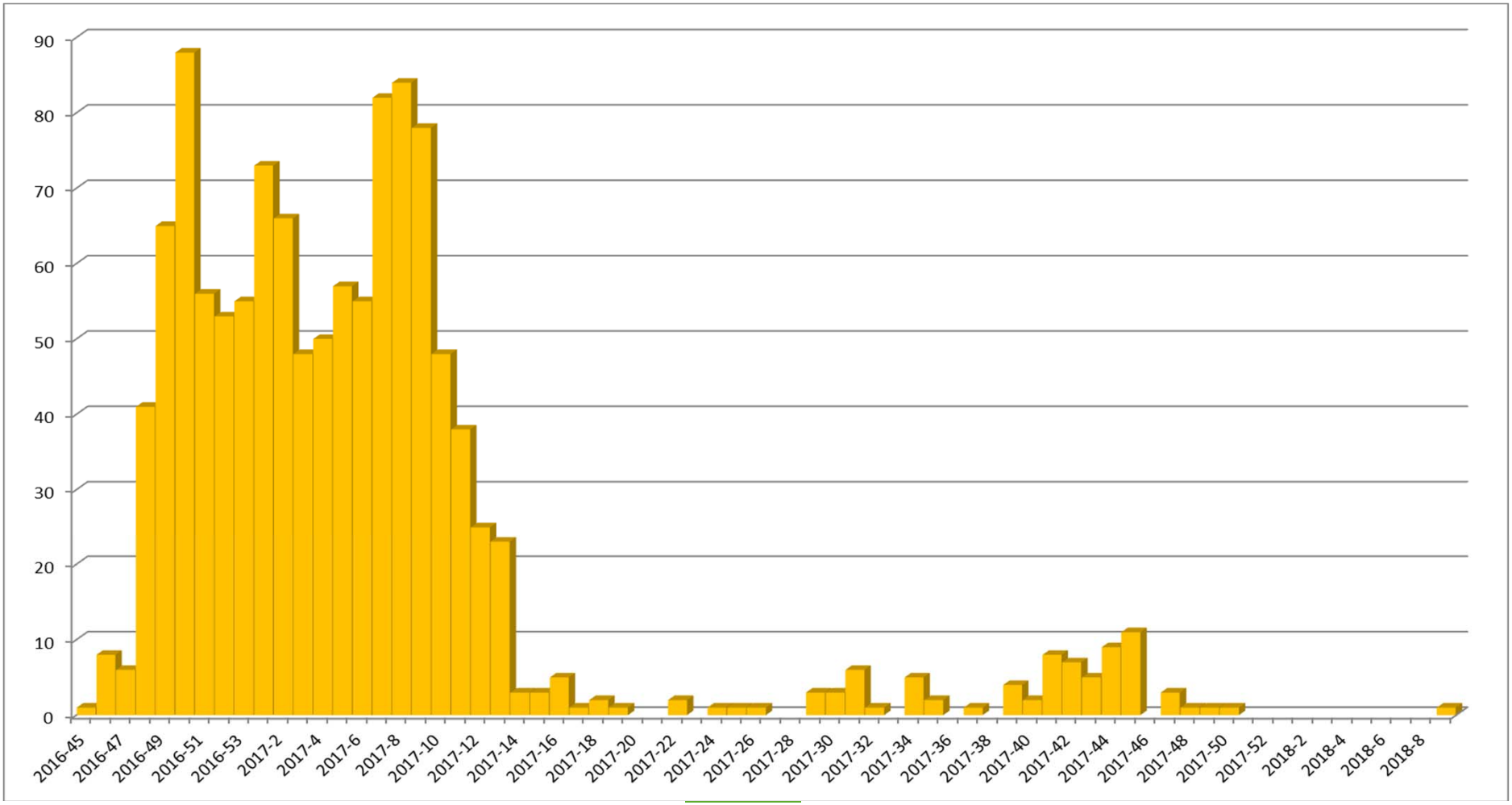
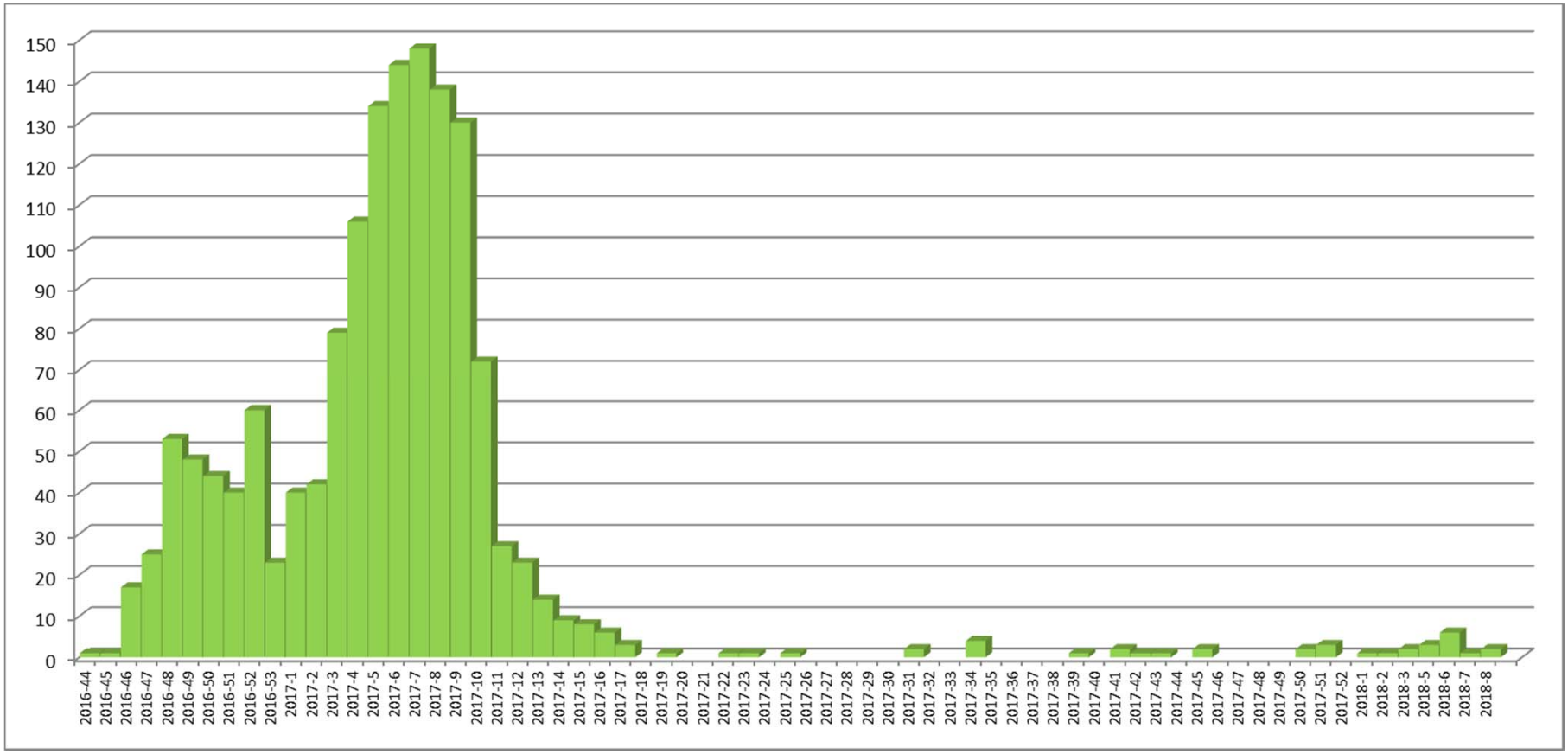
Weekly epidemic curve for HPAI H5 outbreaks in poultry reported via ADNS (01/10/2016 - 28/02/2018)

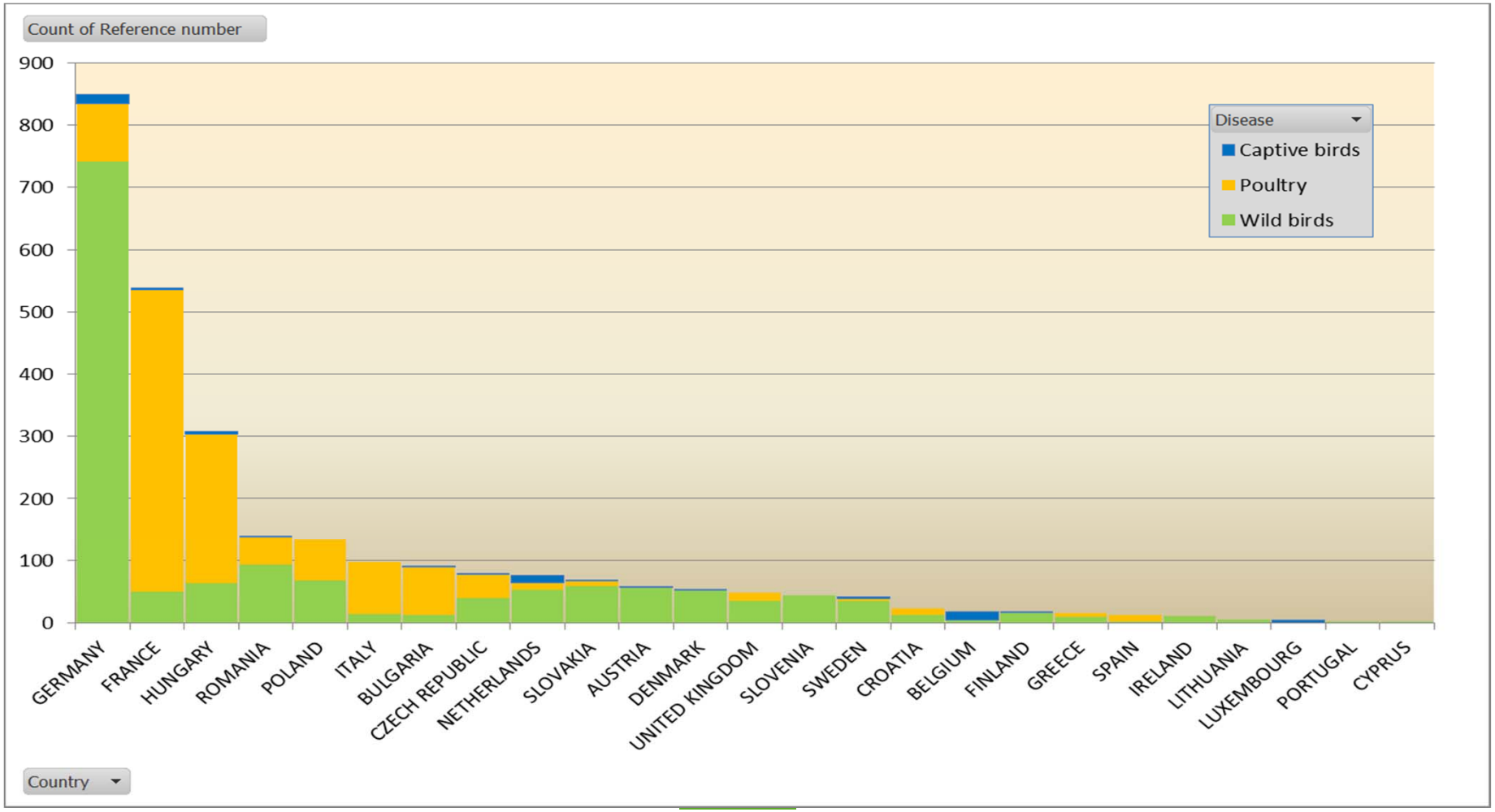


European Commission

Weekly epidemic curve for HPAI H5 findings in wild birds reported via ADNS (01/10/2016-28/02/2018)



Number of outbreaks in poultry, captive birds and detections in wild birds per Member State reported by ADNS (01/10/2016 - 28/02/2018)



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EU: H5N6 HPAI virus characteristics

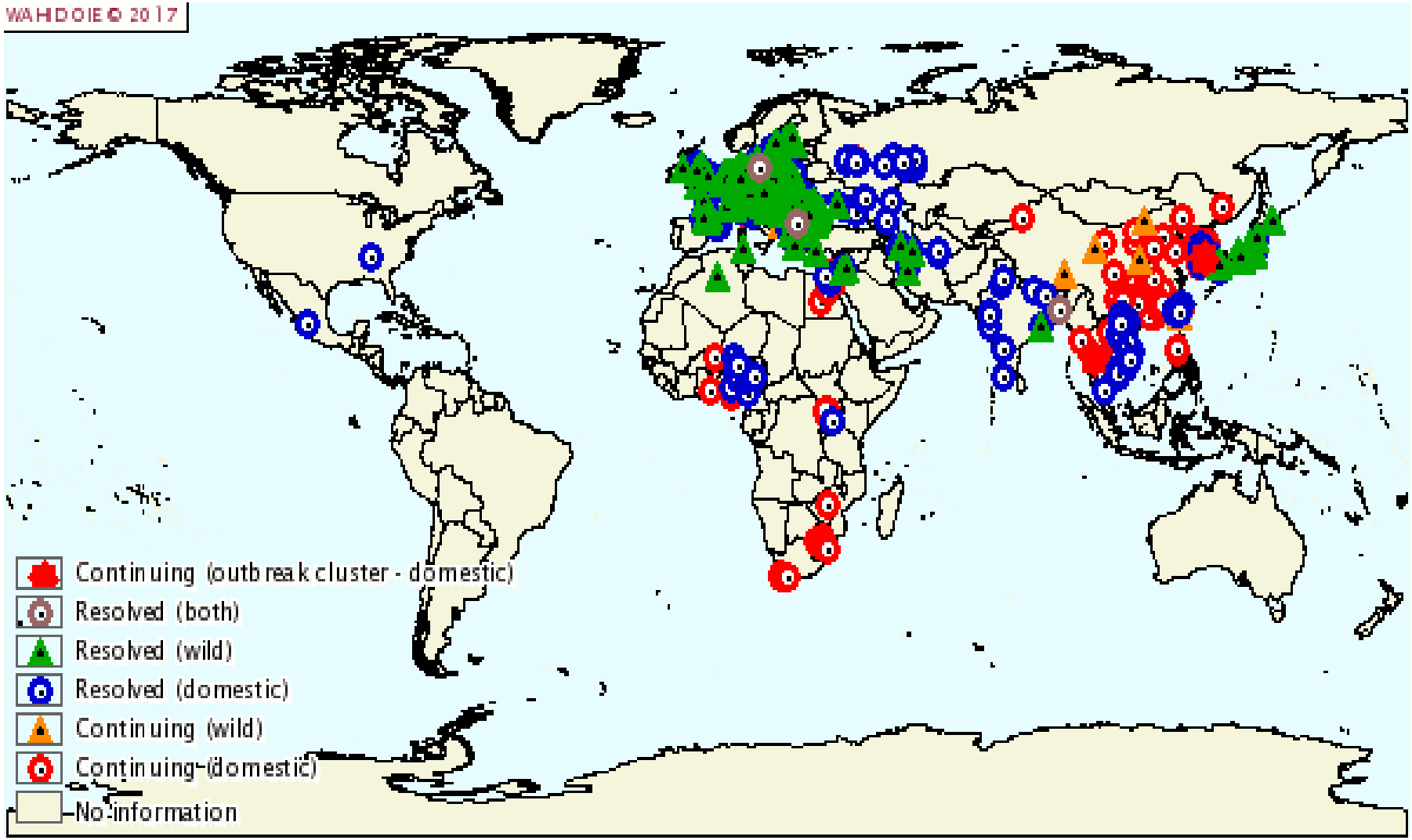
HPAI H5N8: predominant strain in 2016/17 (Italy)

Very small extent H5N5, H5N6, H5N1)

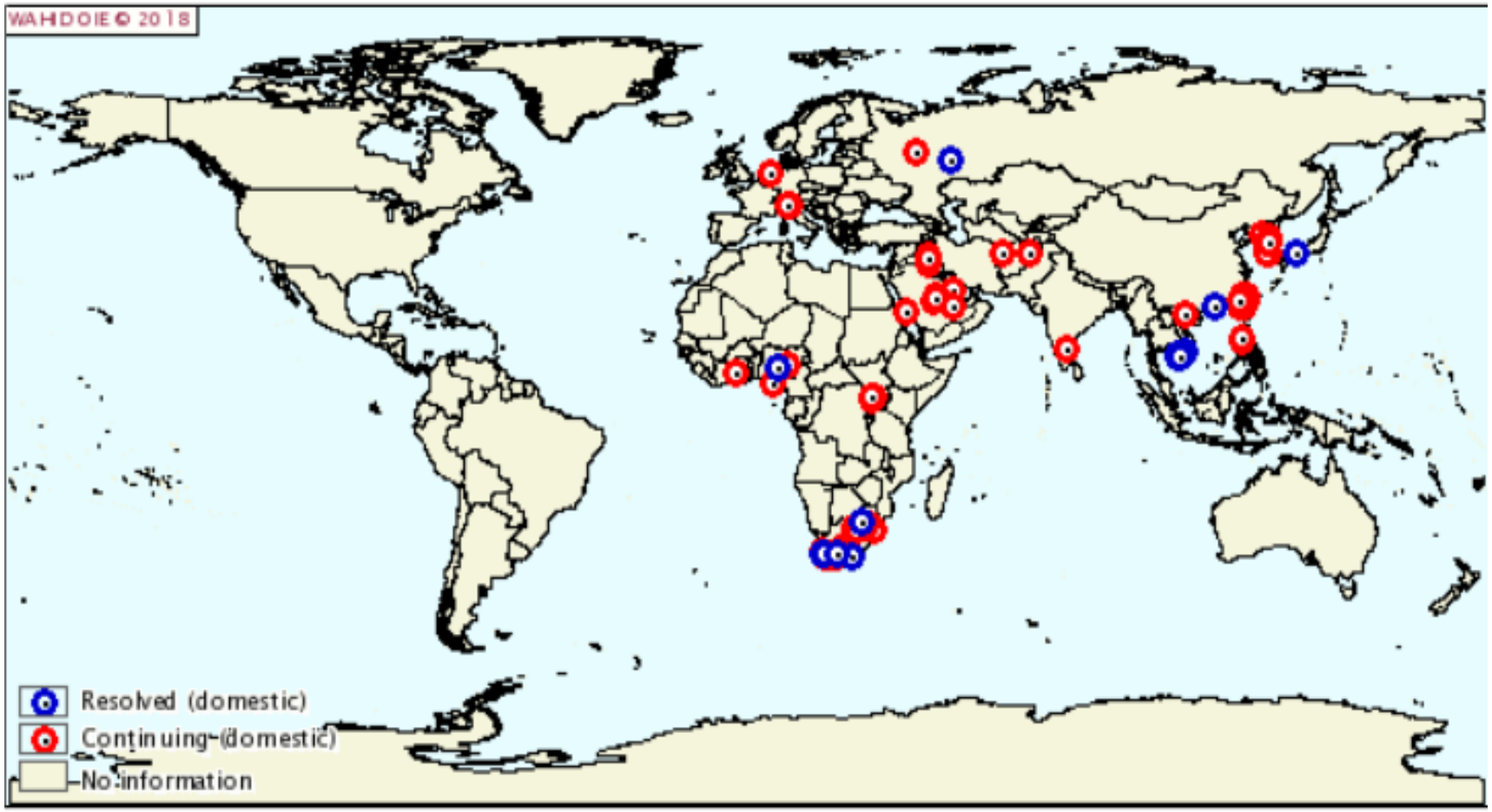
Genetic analysis by the EU Reference Laboratory for avian influenza shows that:

- European strains **can be differentiated from strains associated with zoonotic infection in Asia**
- They **do not carry any virulence markers** strongly associated with human infection risk
- To date, there are **no reported human infections** with this particular genetic sub-lineage of H5N6 HPAI

HPAI outbreaks worldwide 2017



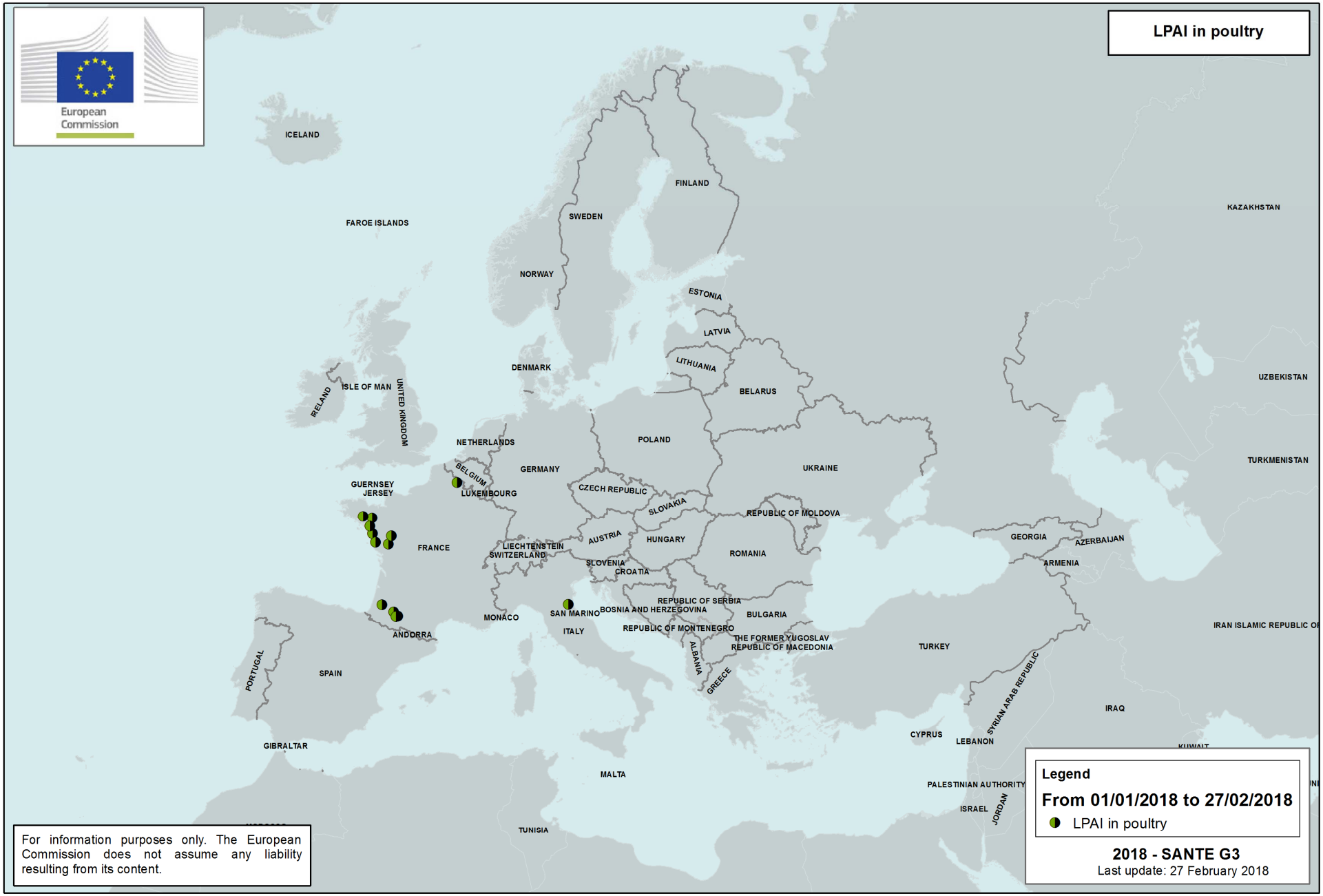
HPAI worldwide 01/01-28/02/2018



HPAI H5N6 of European origin is co-circulating in S. Korea

A (H7N4): China first detection worldwide in a human (contact to backyard poultry, recovered).CN CDC states that unrelated to H7N9

HPAI H9N2: Ghana first occurrence of HP, LPA widely spread in Morroco, Egypt, Senegal – to be confirmed by OIE Reference laboratory


LPAI in poultry
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0 315 630 1,260 1,890 2,520
Kilometers

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AI WG meeting 15/02

- ***EURL update – recent developments on AI***
- ***EFSA's*** *opinion on AI, quarterly reports, collection and analysis of AI surveillance data as of 1/2019*

Annual report 2016:
https://ec.europa.eu/food/sites/food/files/animals/docs/ad_control-measures_ai_surv-rslt_pltry-wld-brds_2016.pdf

- ***Surveillance for AI in poultry and wild birds***
  - *Objectives, Member States' examples of risk based surveillance, early detection*
- ***Biosecurity*** *- Good practises, incentives, evaluation*
- ***AI vaccination*** *- available tools and drawbacks, further research needed, possible needs?*

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Proposed distinction between captive bird vs. poultry holding

Number of captive birds kept

And prevailing risk factors e.g.:

- Location in high density poultry area
- Selling of eggs or meat to commercial distributors
- Participation in exhibitions and fairs
- Contacts to the commercial sector (staff, vehicles)
- Virus characteristics (new strain?)

Final judgement up to the veterinary authority

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Scientific advice on avian influenza

Animal health:

European Food Safety Authority (EFSA)

10/2017: Publication of scientific opinion on AI and two quaterly scientific reports (10/2016-11/2017) on the situation in the EU and world-wide:

https://www.efsa.europa.eu/en/press/news/171016

Human health:

European Center for disease prevention and control (ECDC)

https://ecdc.europa.eu/en/avian-influenza-humans/threats-and-outbreaks/risk-assessments

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Thank you for your attention

DG Health and Food Safety
https://ec.europa.eu/food/animals_en

EFSA:
http://www.efsa.europa.eu/en/press/news/171016

ECDC:
https://ecdc.europa.eu/en/avian-influenza-humans

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