

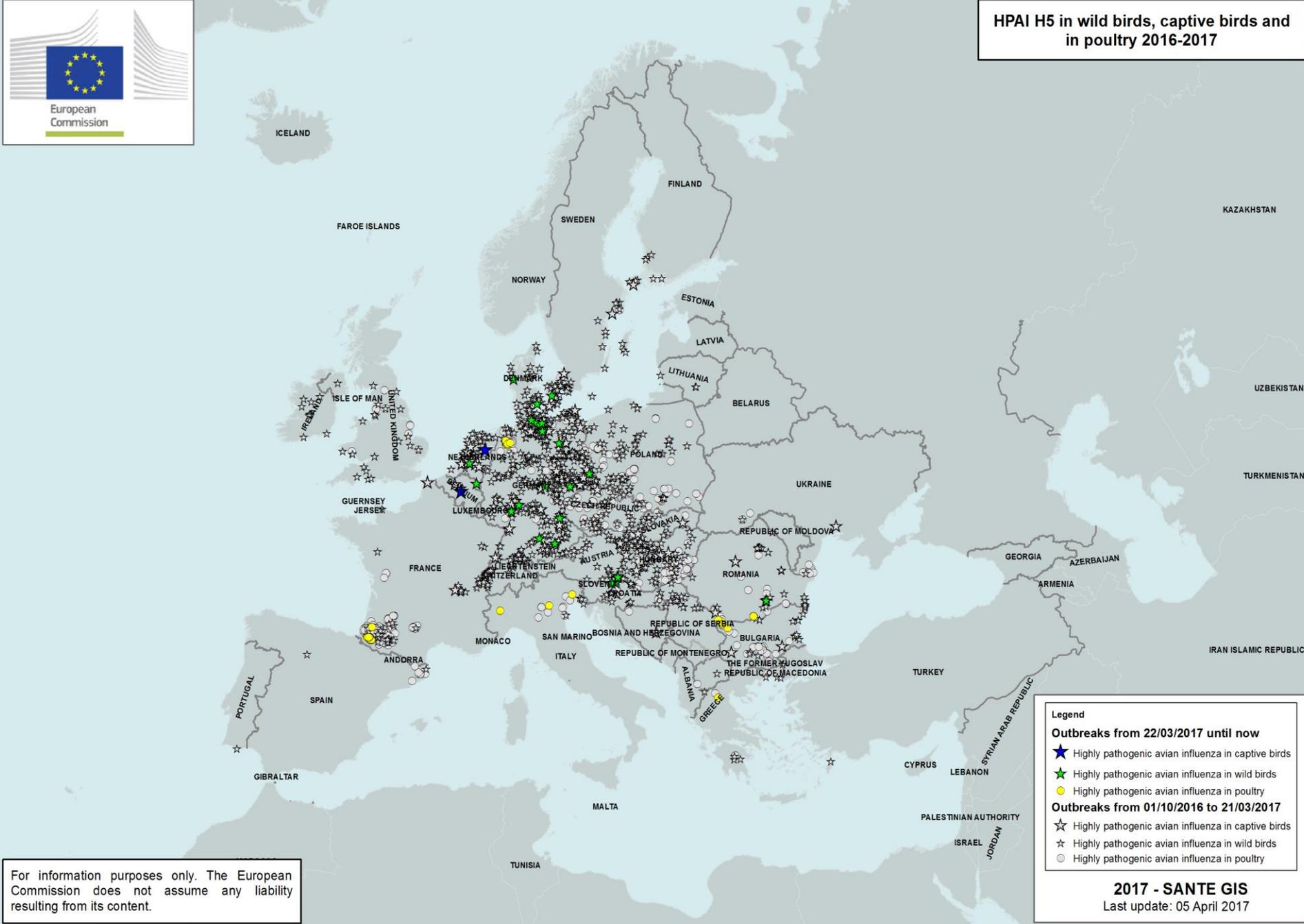


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Update on avian influenza H5



HPAI H5 in wild birds, captive birds and in poultry 2016-2017



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Legend

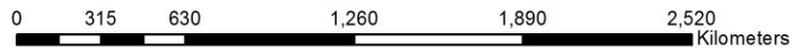
Outbreaks from 22/03/2017 until now

- ★ Highly pathogenic avian influenza in captive birds
- ★ Highly pathogenic avian influenza in wild birds
- Highly pathogenic avian influenza in poultry

Outbreaks from 01/10/2016 to 21/03/2017

- ★ Highly pathogenic avian influenza in captive birds
- ★ Highly pathogenic avian influenza in wild birds
- Highly pathogenic avian influenza in poultry

2017 - SANTE GIS
Last update: 05 April 2017



Member State	Wild birds*	Poultry	Captive birds
Germany	719	90	15
France	50	485	3
Italy	5	13	
The Netherlands	46	9	10
Belgium	3		2
The United Kingdom	22	10	
Ireland	10		
Denmark	49	1	1
Greece	9	6	
Spain	2	10	
Portugal	1		
Austria	52	2	1
Finland	13		1
Sweden	30	3	2
The Czech Republic	39	38	1
Hungary	63	234	5
Poland	68	65	
Slovenia	44		
Bulgaria	13	71	2
Lithuania	4		
Romania	90	42	2
Slovakia	58	8	2
Croatia	12	11	
Total	1402	1098	47

Number of HPAI H5(N8) outbreaks by Member State

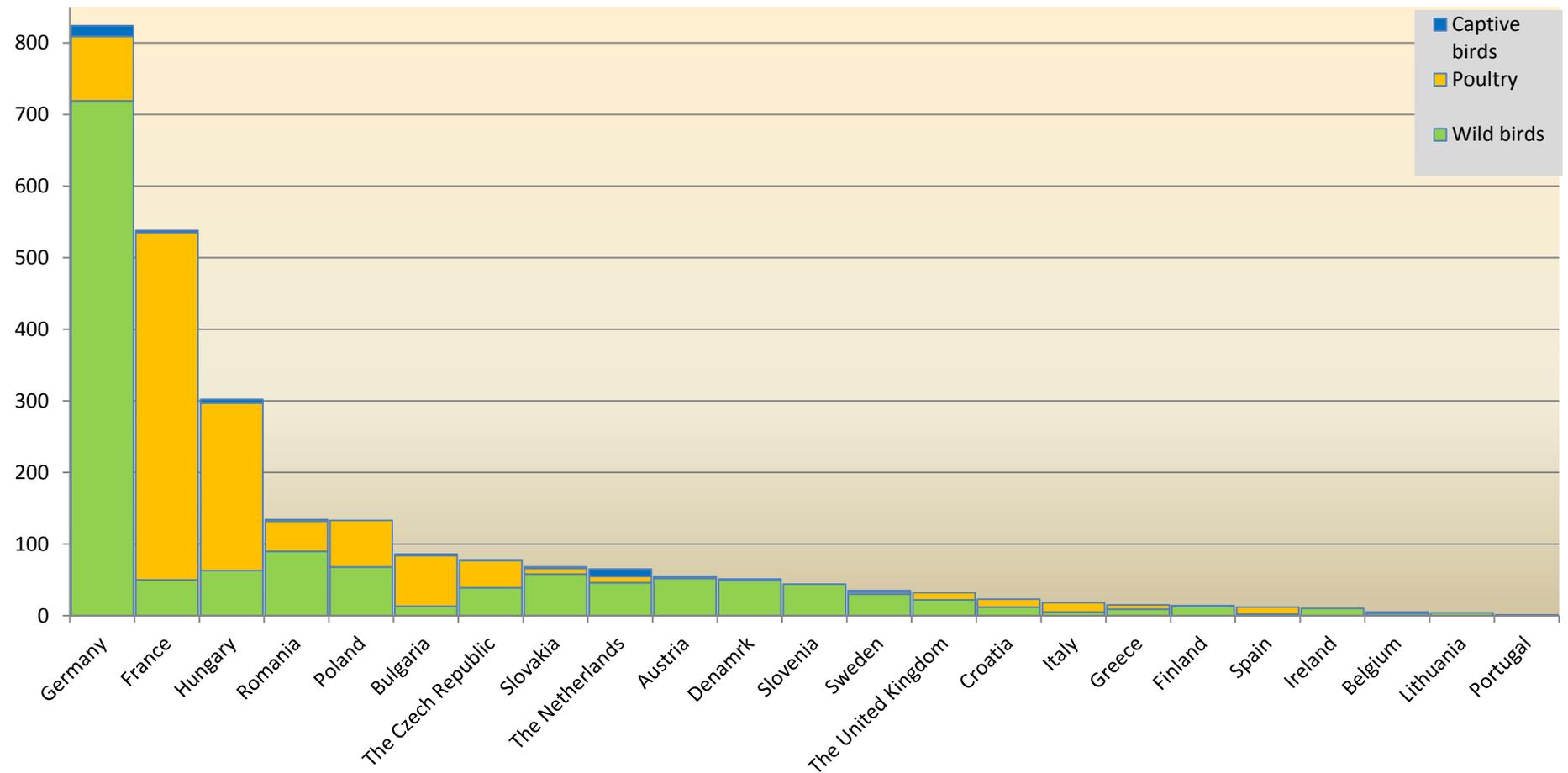
01/10/2016
to 05/04/2017

* Number of ADNS notifications

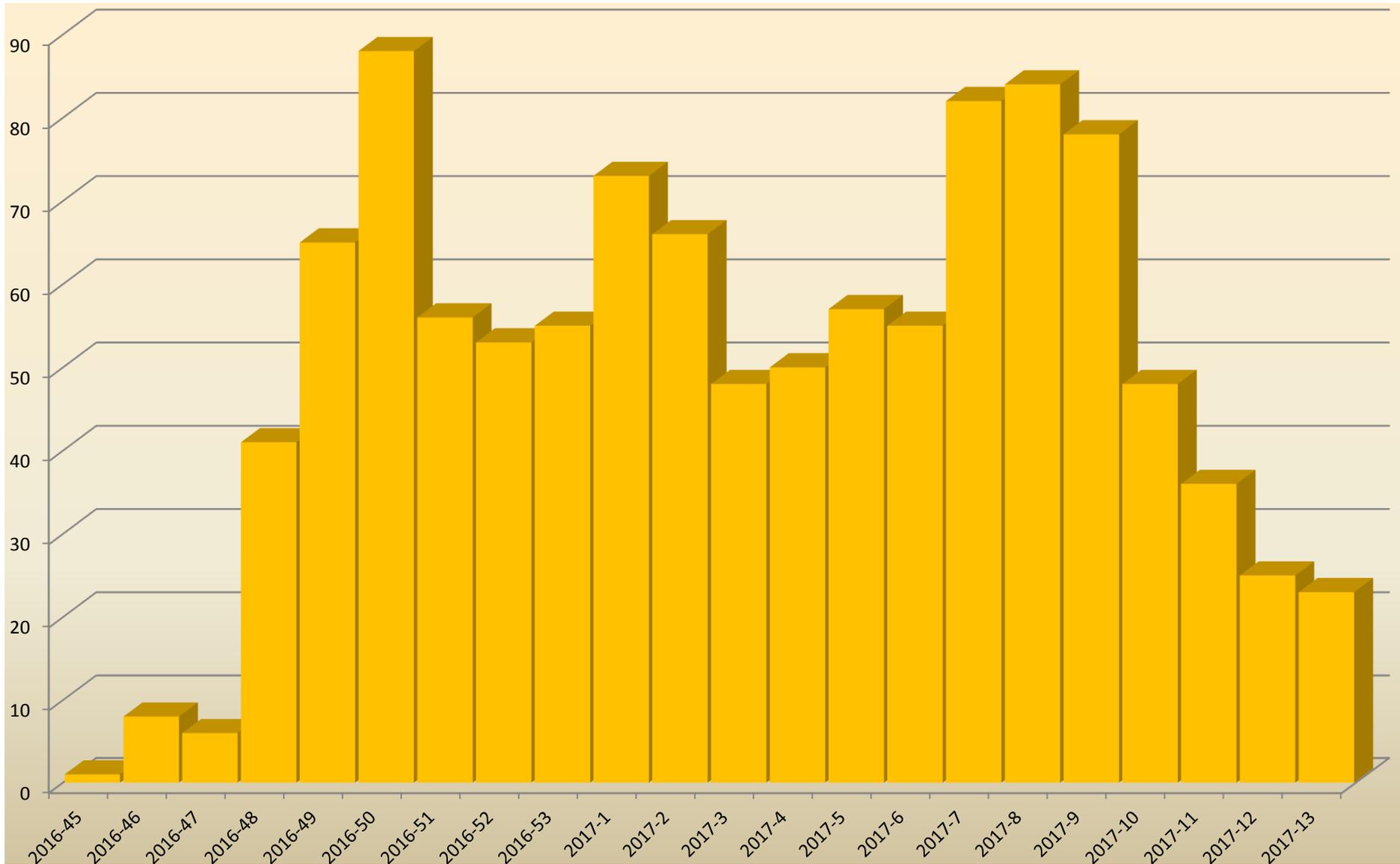


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Number of HPAI H5(N8) notifications/outbreaks by Member State as from 01/10/2016 to 05/04/2017



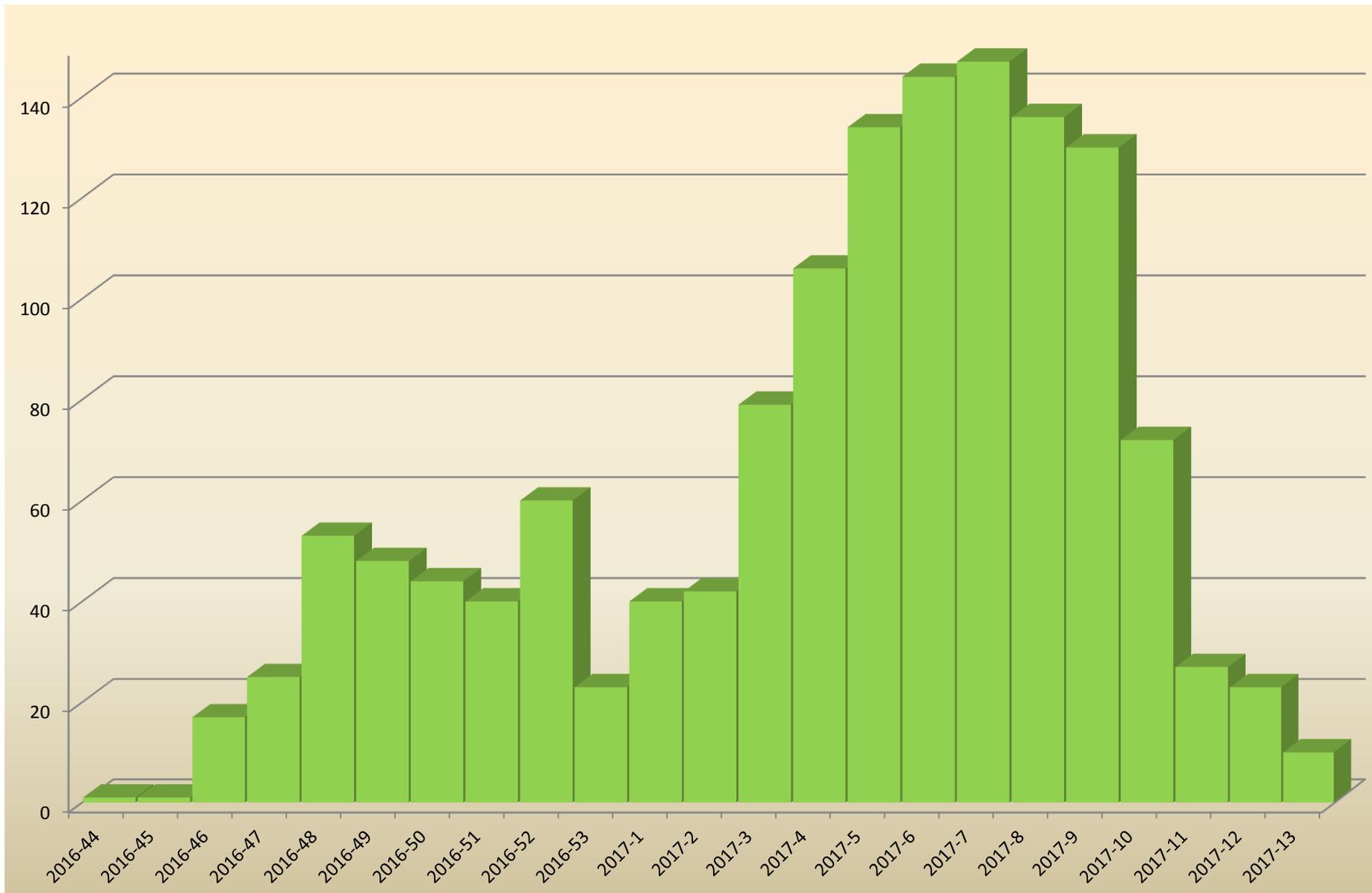
Epidemic weekly curve of HPAI H5(N8) in poultry



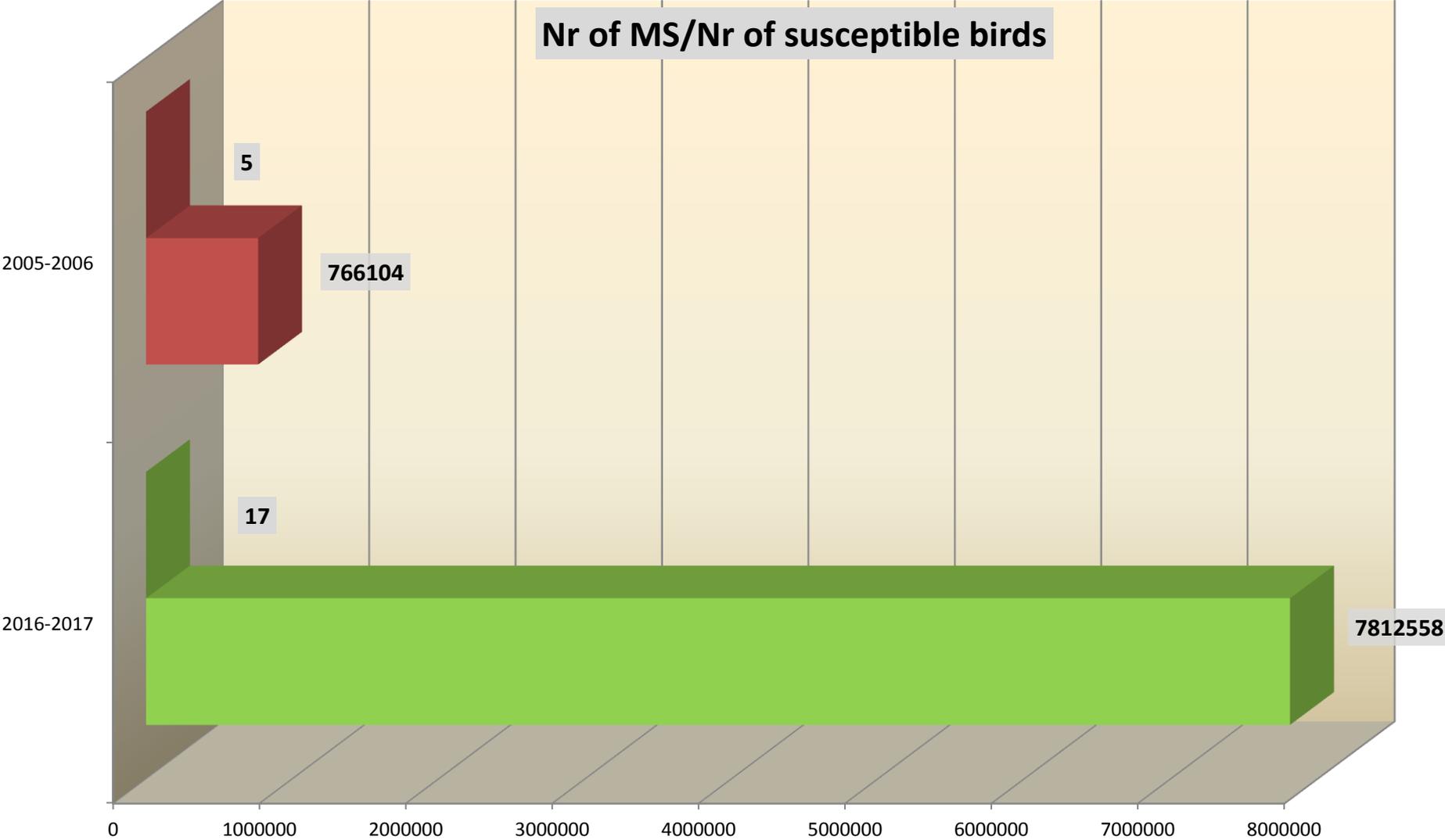
Monthly poultry outbreaks spread: Rate 2nd/1st



Notification weekly curve of HPAI H5N8 in wild birds



Comparison "2005/2006 H5N1" with "2016-2017 H5" epidemics





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Top 10 wild bird species reported infected with HPAI H5N8 since October 2016

Species	Number of events	%
Mute swan (<i>Cygnus olor</i>)	176	21%
Duck <i>spp</i>	102	12%
Tufted duck (<i>Aythya fuligula</i>)	77	9%
Unspecified	77	9%
Swan <i>spp</i>	59	7%
Gulls <i>spp</i>	49	6%
Whooper swan (<i>Cygnus cygnus</i>)	32	4%
Goose <i>spp</i>	30	4%
Herring gull (<i>Larus argentatus</i>)	24	3%
Mallard (<i>Anas platyrhynchos</i>)	22	3%



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Highly pathogenic avian influenza viruses of H5 subtype

- **HPAI H5N8** – predominant strain of Asian origin
- **HPAI H5N5** – since mid-12/2016 in wild birds and a few poultry holdings
- **HPAI H5N6** – confirmed on 02/03 in Greek backyard farm
EURL stated that this virus does not appear to be the same as the strain circulating in South and Far East Asia associated with cases in poultry and humans. Preliminary analyses based on a part of genetic sequences suggests this is as a result of further reassortment involving H5N8 HPAI and endemic Eurasian viruses.
The AI EU Reference Laboratory (EURL) concluded that HPAI H5N8, H5N5 and H5N6 viruses are still predominantly bird viruses without any specific increased affinity for humans.
- **HPAI H5N1** – confirmed in France – most likely European reassortant
Further investigations are necessary.