



Avian influenza in Bulgaria

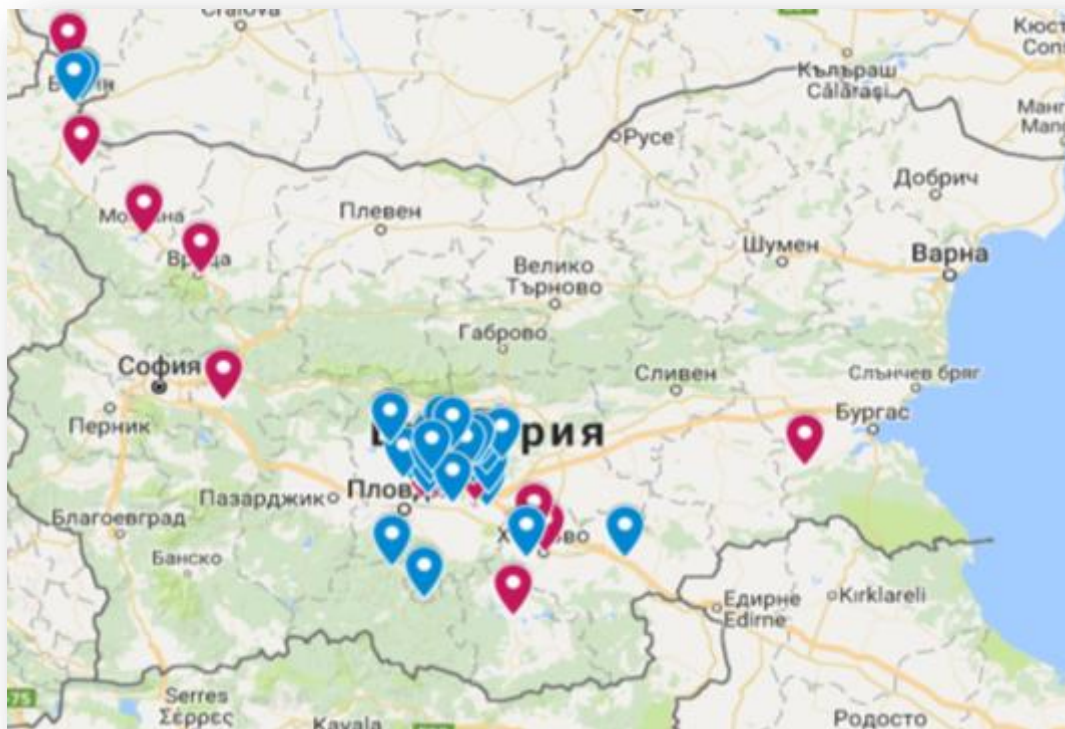
Standing Committee for Plants, Animals, Food and Feed
17-18 January 2017



AI SITUATION - domestic poultry (1)

State of play: as at 13.01.2017

- first AI outbreak recorded – 19.12.2016
- 9 regions affected (Vidin, Montana, Vratsa, Sofia district, Plovdiv, Haskovo, Kurdzhali, Stara Zagora, Burgas)
- 59 outbreaks :
 - 49 commercial farms (47 duck and 2 laying hens farms)
 - 10 “back yard” holdings



Map - location of AI outbreaks (19.12.2016-13.01.2017)

Primary outbreaks
Secondary outbreaks

AI SITUATION - domestic poultry (2)

State of play: as at 13.01.2017

- Poultry spp. in affected holdings:
 - mortality and clinical signs
- mainly in gallinaceous and really in waterfowl;
- never in columbiformes

Poultry spp. in affected holdings	% (450 655 poultry in total)
hens	15.81
ducks	84.11
other (<i>pheasants, geese, partridge, turkey, quails, pigeons</i>)	0.07



AI SITUATION - domestic poultry (3)

The first outbreaks :

confirmed on 19 Dec.2016

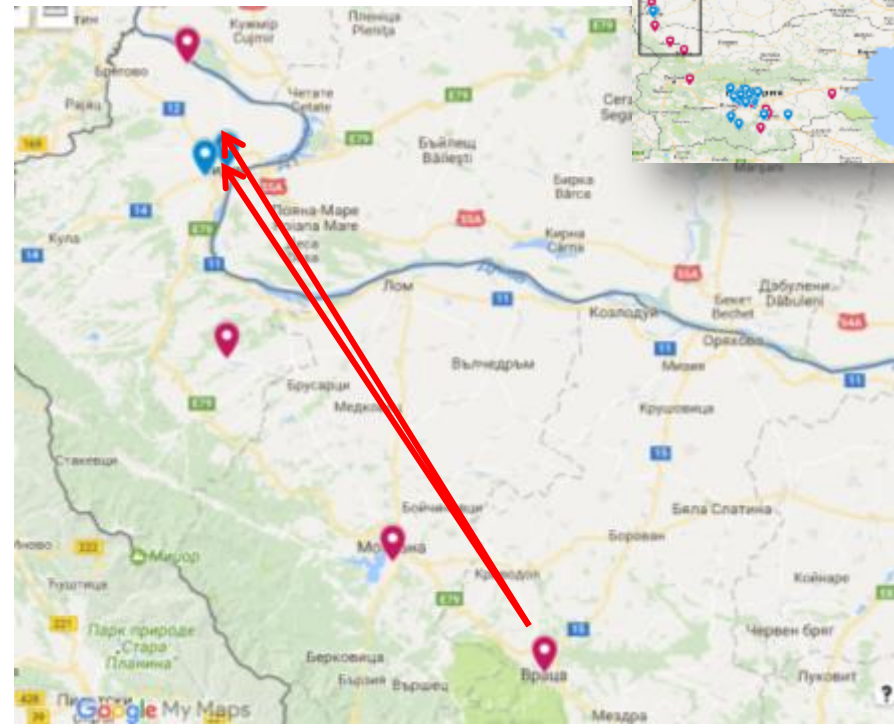
➤ Vidin region

- three “back yard” holdings – 263 poultry in total
- suspicions – based on increased mortality (except ducks) - 55 died in total
- farms No 2 and 3 supplied ducks from farm No 4

➤ Vratsa region

- Duck mallard holding
- suspicion based on the epidemiological investigation
- no mortality or morbidity observed

➤ **Plovdiv** – day old ducks, traded from Hungary on 5.12.2016; further laboratory investigation confirmed AI positive.

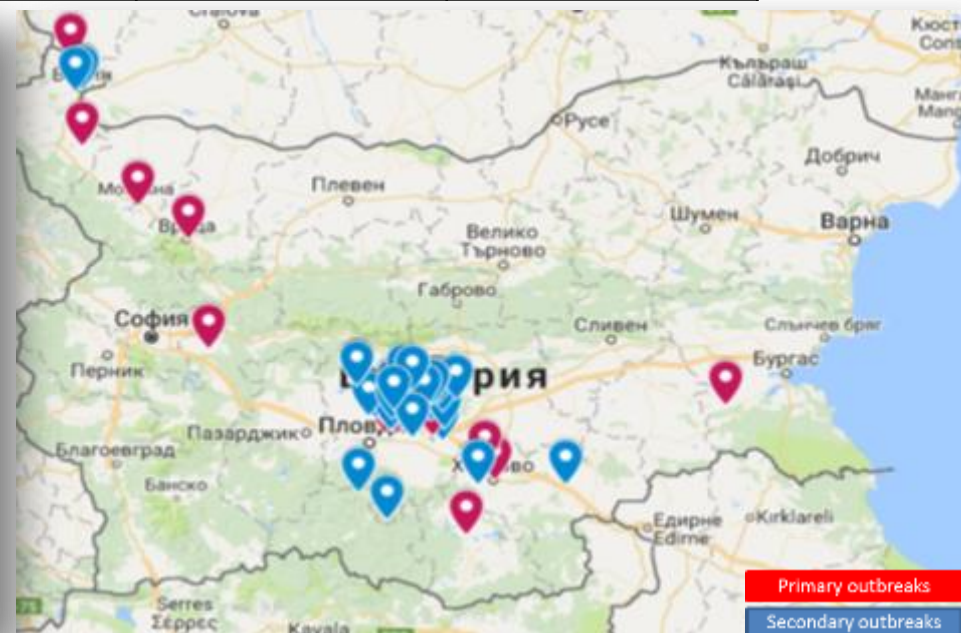
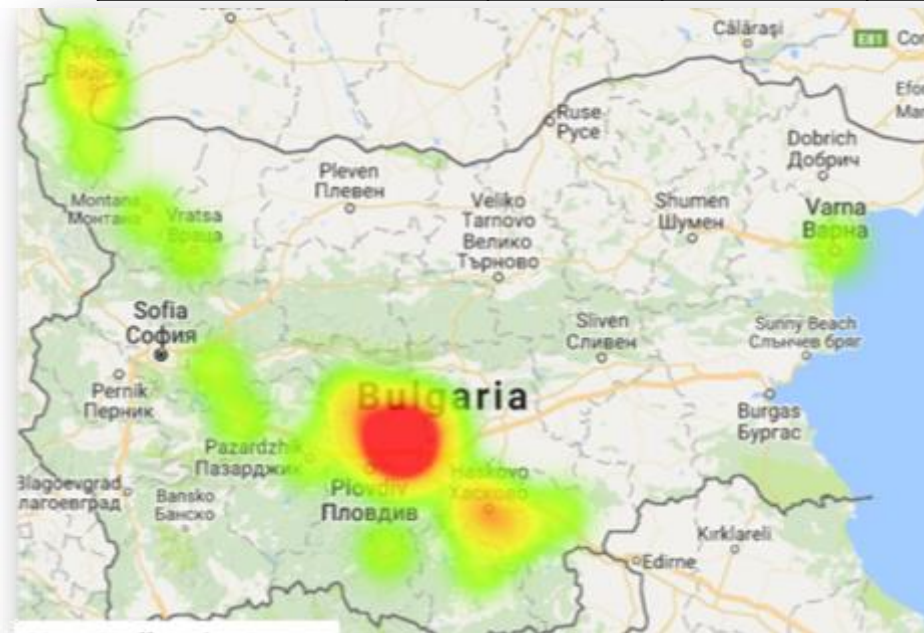


No	Farm type	Settlement	Region	Animals, n / animals died , n									Date suspicion	Date confirmation	Date of culling and disinfection completed	Poultry farms in 1 km
				Hens	Pheasants	Guinea-fowl	Geese	Ducks	Partridge	Turkeys	Quails	Pigeons				
1	Back yard	Novo selo	Vidin	25/18	0	0	0	0	0	0	0	0	15.12.2016	19.12.2016	17.12.2016	Back yards
2	Back yard	Vidin	Vidin	84/8	16/2	13/11	0	3	0	1/1	25	6	15.12.2016	19.12.2016	17.12.2016	
3	Back yard	Vidin	Vidin	31/6	0	5//1	6	9	0	13/5	0	41	17.12.2016	19.12.2016	18.12.2016	
4	Captive birds	Vratsa	Vratsa	0	0	0	0	940	0	0	0	0	16.12.2016	19.12.2016	19.12.2016	No
5	Duck farm	Manole	Plovdiv	0	0	0	0	3150	0	0	0	0	14.12.2016	19.12.2016	19.12.2016	High density of duck farms

AI SITUATION – domestic poultry (4)

Further outbreaks

Regions	outbreaks , n	Affected poultry, n			Culling and disinfection completed	Poultry farms in 1 km
		378659	71000	987 poultry (68% ducks)		
		Farm type				
		ducks	laying hens	back yards		
Stara Zagora	14	14			14	duckfarms
Burgas	1			1	1	no
Vidin	2			2	2	back yards
Kurdzhali	1			1	1	no
Montana	1			1	1	back yards
Plovdiv	27	24	2	1	27	duck farms
Sofia oblast	1			1	1	back yards
Haskovo	7	7			7	back yards
Total	54	45	2	7	54	



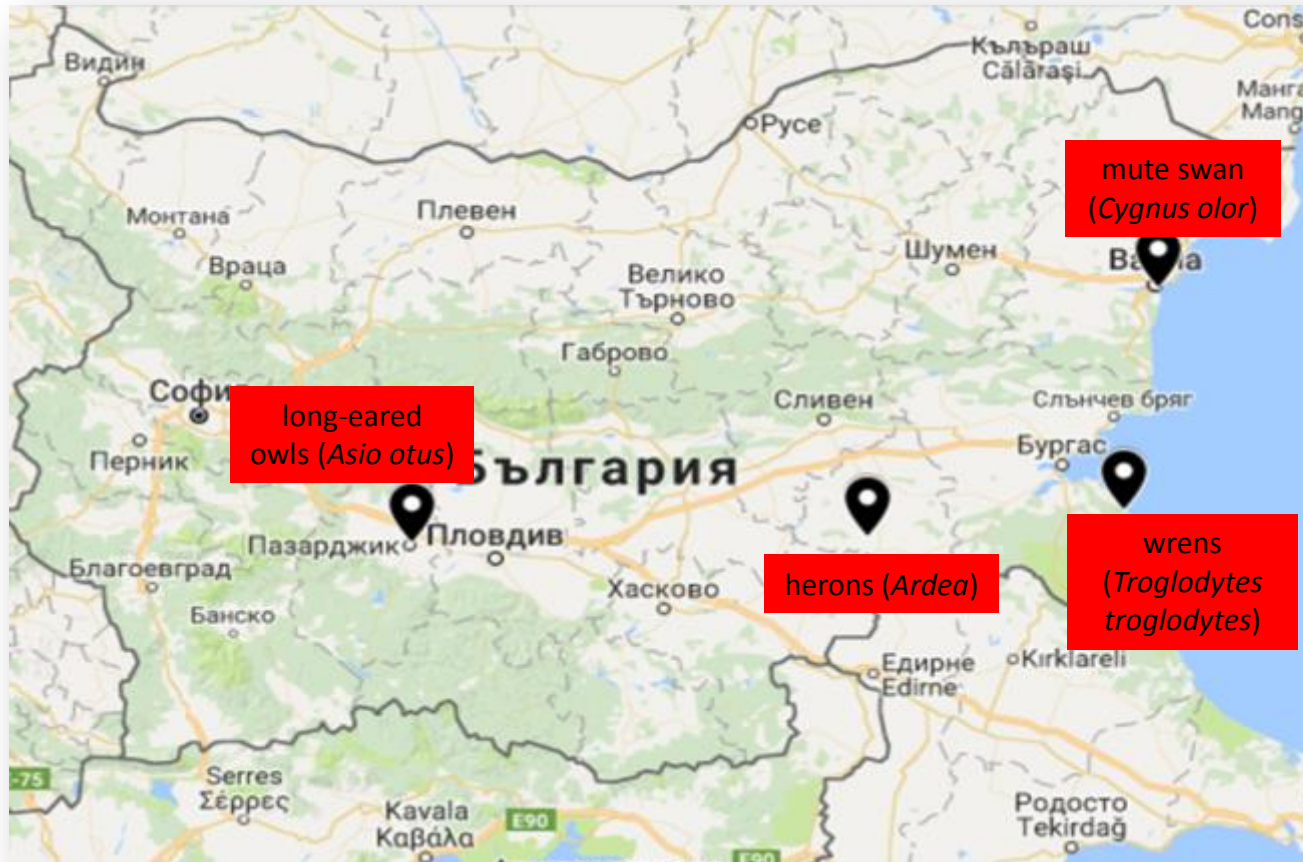
Map - AI affected regions (19.12.2016-13.01.2017)

Map - location of AI outbreaks (19.12.2016-13.01.2017)

AI SITUATION - wild birds

4 outbreaks confirmed in birds found dead in 4 administrative regions

No	Region	Wild birds	Species	Date suspicion	Date confirmation
1	Yambol (Trunkovo dam)	2	herons (<i>Ardea</i>)	19.12.2016	21.12.2016
2	Pazardzhik (city)	2	long-eared owls (<i>Asio otus</i>)	28.12.2016	30.12.2016
3	Varna (coastline)	2	mute swan (<i>Cygnus olor</i>)	3.1.2017	5.1.2017
4	Burgas (park Arkutino)	3	wrens (<i>Troglodytes troglodytes</i>)	5.1.2017	6.1.2017



Control measures applied (1)

- The preliminary laboratory results for all outbreaks indicated M-gene positive as by 19 Dec. 2016 and later confirmed for H5.
- Control and eradication measures (against HPAI) as per Directive 2005/94:
 - culling and safe disposal of the birds (methods used: dry ice, burial and incineration on the spot);
 - restricted zones (3 and 10 km zones)
 - movement restriction (of hatching eggs, poultry under vet control)
 - clinical surveillance in holdings in the restricted zones; virological sampling: all ducks farms, other poultry farms – in case of suspicions.



Control measures applied (2)

- Further measures applied in entire country
 - enhanced active surveillance in poultry farms;
 - strengthening the biosecurity measures applied in place;
 - clinical examination and sampling of all duck farms and hatcheries for ducks in the country;
 - ban for poultry market, completion etc.;
 - ban of hunting in high risk areas (municipalities included in 10 km zones around outbreaks);
 - Crisis Management Team (MAF, MH, Forest Agency, Fire safety Directorate, Police, Hunting Union representatives);
 - disease awareness: TV, leaflet, meeting with NGO, regional epi commission meetings, training, website (list and map of outbreaks, instructions).

Epidemiological investigation and tracing

- Outbreaks: the majority related to commercial duck farms;
- Tracing back: source of infection: unknown
 - wild birds? (migratory routes trough the country)
 - trade, movement of domestic poultry within the country?

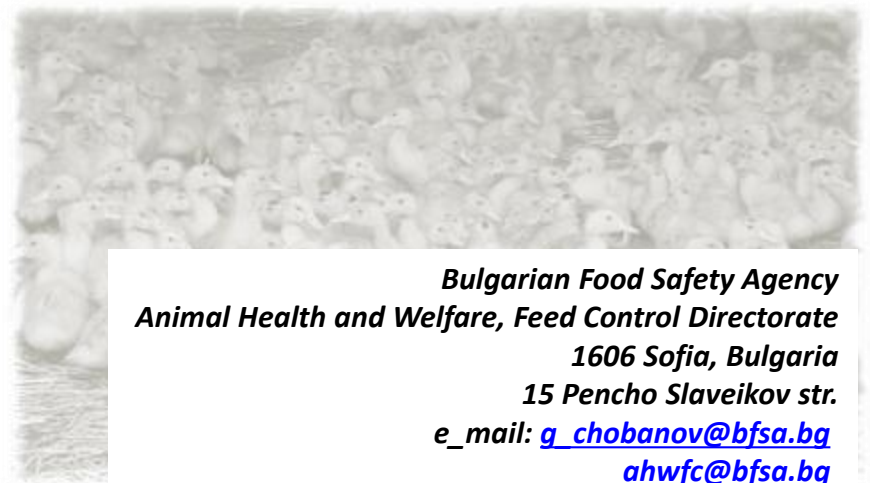


- Epidemiological investigation is still going on. Expected results by:
 - clinical examination and virological testing in restricted zones;
 - enhanced passive surveillance in wild birds (reporting and providing dead wild birds for sampling by hunters; by ornithology' organization: census of Migratory Waterbirds just started)





THANK YOU FOR YOUR ATTENTION



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