



REPUBLIC OF BULGARIA
MINISTRY OF AGRICULTURE, FOOD AND FORESTRY
BULGARIAN FOOD SAFETY AGENCY

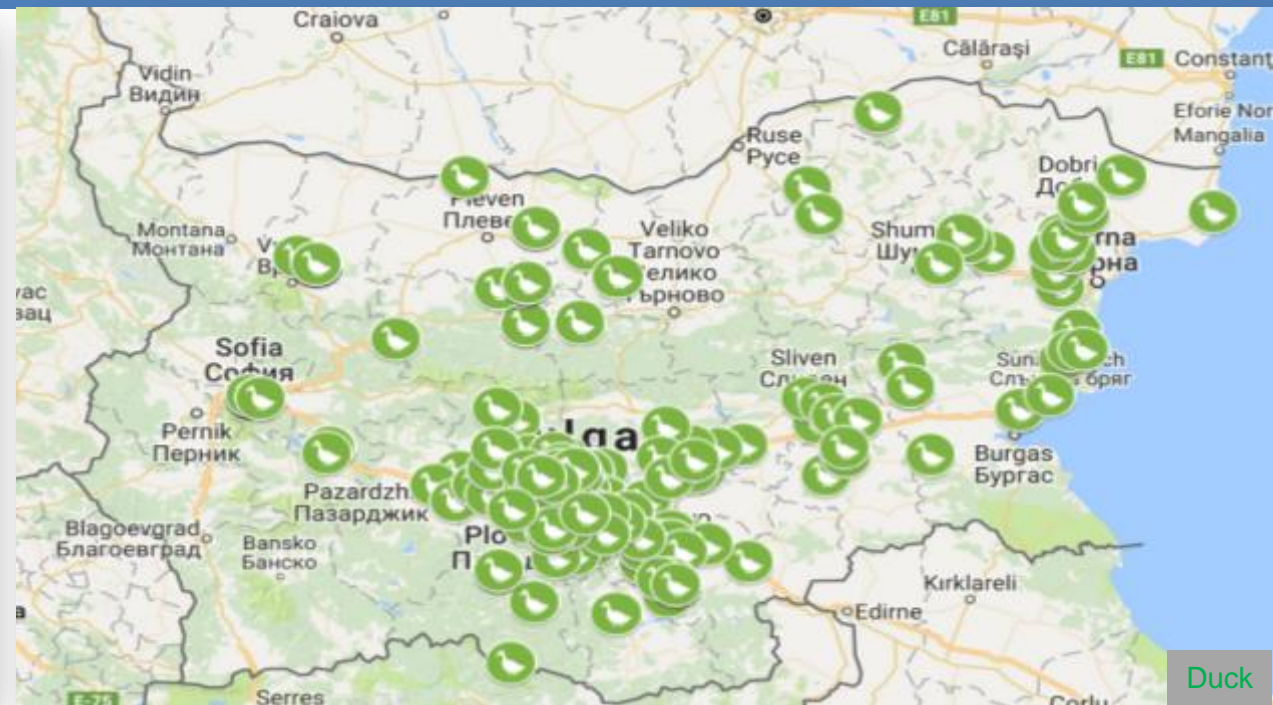
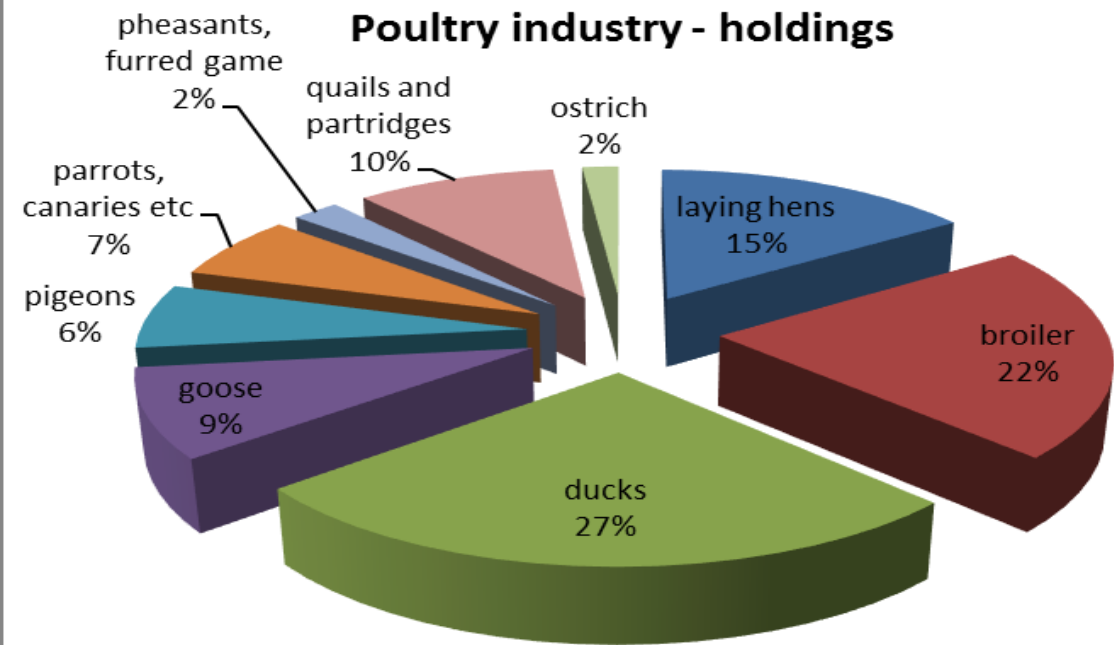
AVIAN INFLUENZA SITUATION IN BULGARIA

23.11.2018, PAFF



Poultry sector

Poultry industry - holdings



| Category | Holding, n | Poultry, n |
|--|------------|------------|
| Hatchery (hens)* | 24 | |
| breeding and laying hens | 158 | 6 974 647 |
| broiler | 237 | 15 788 960 |
| ducks | 257 | 2 706 982 |
| goose | 755 | 4 473 |
| pigeons | 26 | 2 402 |
| parrots, canaries etc | 675 | 4 080 |
| pheasants, quails and Partridges (farmed game) | 252 | 120 688 |
| ostrich | 16 | 455 |
| back yards | 219 197 | 2 265 510 |





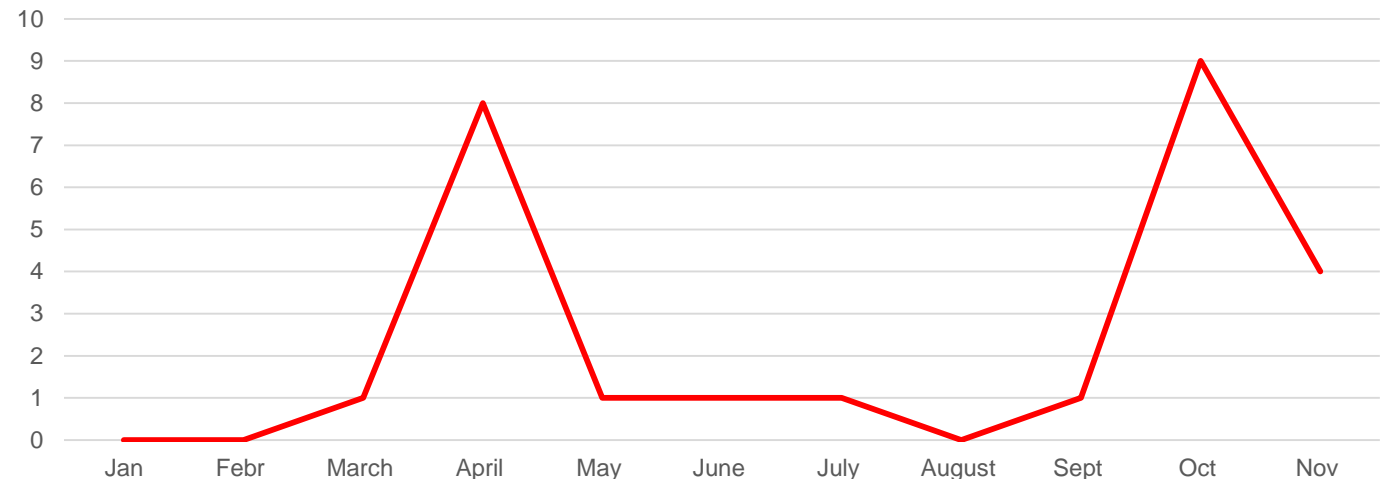
OVERVIEW OF THE HPAI (H5N8) SITUATION, 2018

- 26 outbreaks in poultry
- HPAI - H5N8:
 - 6 in Galliformes – 5 laying hens farms, 1 broiler;
 - 14 in Waterfowl farms (one pekin duck farm)
 - 5 back yard mixed species
 - 1 captive poultry



HPAI H5N8 outbreaks confirmed in 2018 and affected regions (as at 23/11/2018)

HPAI H5N8 outbreaks, 2018

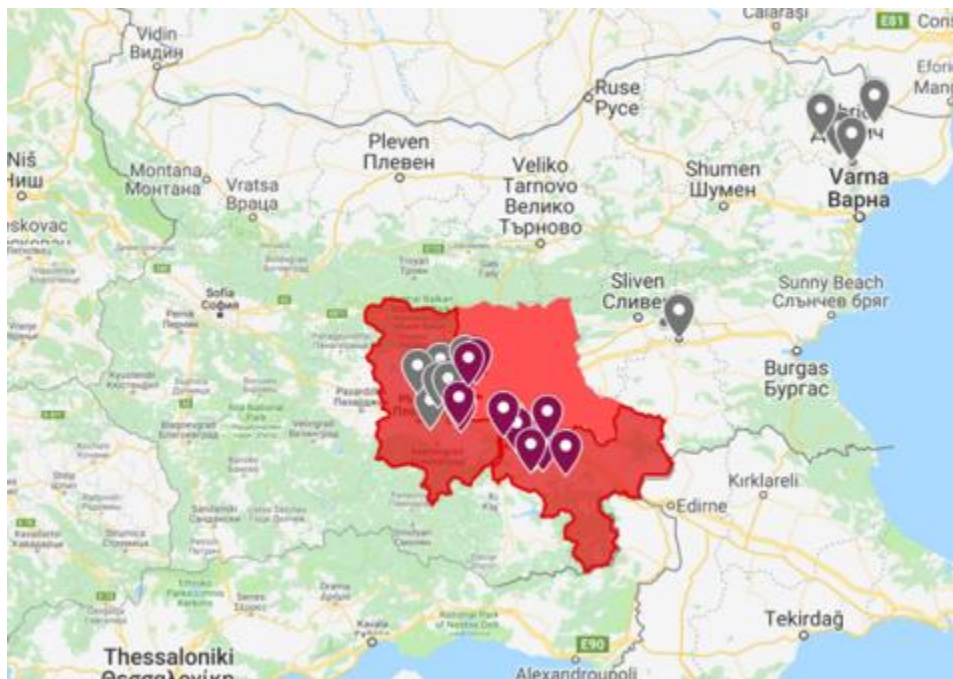


- **5 regions affected**, the same as previous year
- **More than 1 037 998 poultry affected**



OVERVIEW OF THE HPAI (H5N8) SITUATION, since last PAFF, Oct 2018

- 14 HPAI H5N8 outbreaks in poultry
 - 4 in Galliformes – 3 laying hens farms, 1 broiler;
 - 6 in Waterfowl farms
 - 4 back yards mixed species

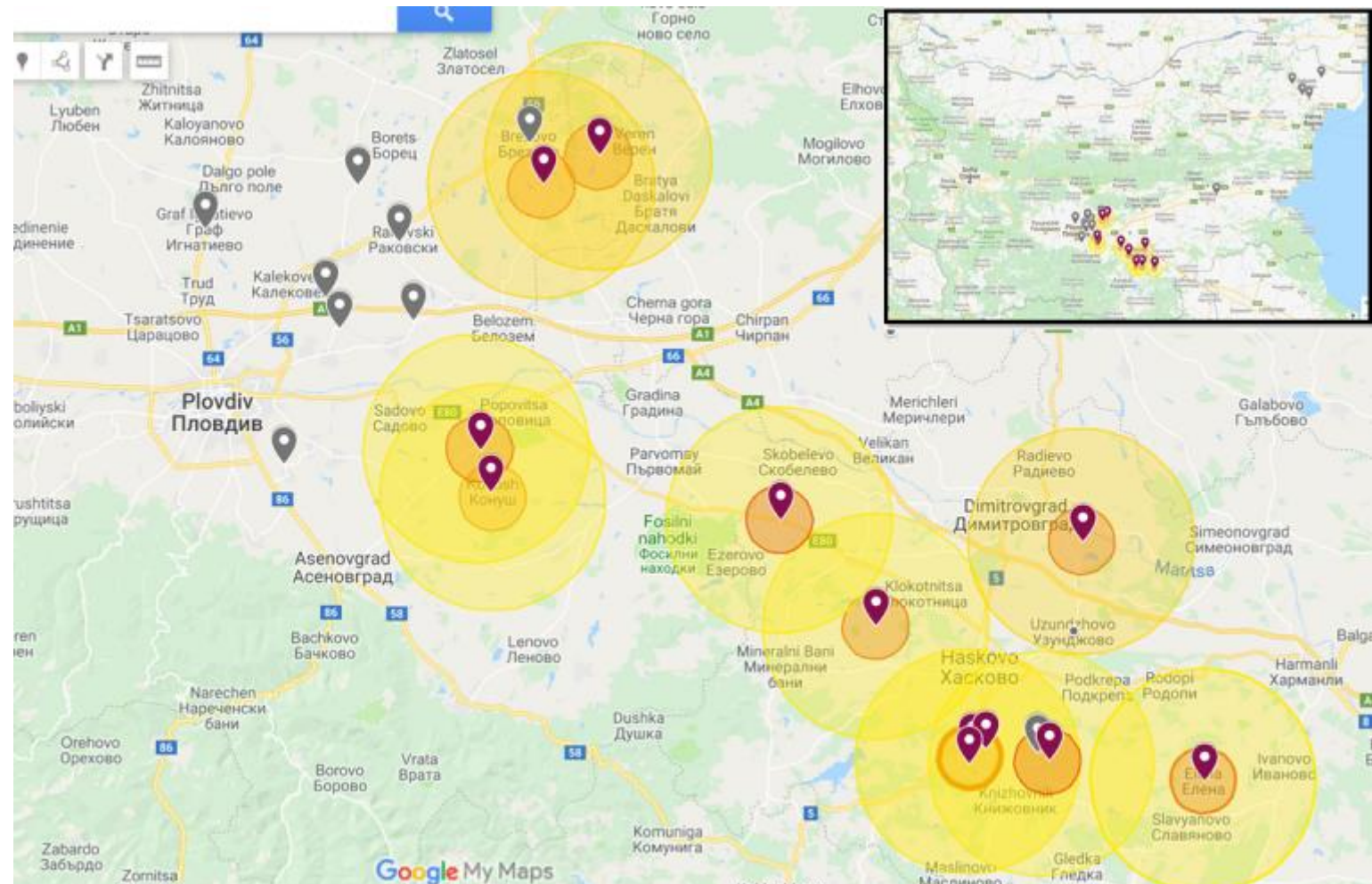


| ADNS/ N | Affected Region | Holding category | epiUnitCom m onName | epiUnitPro dType | poultry Susceptibl e | poultry Died | poultry Destroyed | Data of confirmation | Date of destruction |
|---------|-----------------|------------------|---------------------|------------------|----------------------|--------------|-------------------|----------------------|---------------------|
| 13 | Plovdiv | Commercial | Laying hens | Egg | 54000 | 415 | 43648 | 19.09.2018 | 29.09.2018 |
| 14 | Plovdiv | Non commercial | Laying hens | Egg | 456 | 103 | 456 | 03.10.2018 | 03.10.2018 |
| 15 | Haskovo | Commercial | Domestic duck | Foie gras | 16183 | 331 | 16183 | 17.10.2018 | 22.10.2018 |
| 16 | Haskovo | Commercial | Chicken | Fattening | 130000 | 7917 | 122083 | 17.10.2018 | 24.10.2018 |
| 17 | Plovdiv | Non commercial | Turkey | Fattening | 85 | 78 | 55 | 23.10.2018 | 24.10.2018 |
| 18 | Haskovo | Commercial | Domestic duck | Foie gras | 12797 | 0 | 12797 | 26.10.2018 | 02.11.2018 |
| 19 | Haskovo | Commercial | Domestic duck | Foie gras | 1000 | 0 | 1000 | 26.10.2018 | 31.11.2018 |
| 20 | Plovdiv | Commercial | Hens | Egg | 39177 | 4200 | 39177 | 29.10.2018 | 09.11.2018 |
| 21 | Haskovo | Commercial | Domestic duck | Foie gras | 7020 | 0 | 7020 | 29.10.2018 | 07.11.2018 |
| 22 | Haskovo | Non commercial | Turkey | Fattening | 150 | 12 | 150 | 31.10.2018 | 01.11.2018 |
| 23 | Stara Zagora | Commercial | Domestic duck | Foie gras | 3500 | 3 | 3494 | 07.11.2018 | 09.11.2018 |
| 24 | Haskovo | Commercial | Hens | Egg | 39750 | 550 | 36853 | 07.11.2018 | 10.11.2018 |
| 25 | Haskovo | Non commercial | Turkey | Fattening | 223 | 20 | 223 | 09.11.2018 | 10.11.2018 |
| 26 | Plovdiv | Commercial | Domestic duck | Foie gras | 1973 | 0 | 1973 | 15.11.2018 | 20.11.2018 |



OVERVIEW OF THE HPAI (H5N8) SITUATION, since last PAFF, Oct 2018

- All 4 outbreaks in Galliformes – by passive surveillance. Serology tested negative twice time before.
- 5 (out of 6) outbreaks in Waterfowl – by enhance active surveillance (4) and surveillance related to other outbreak (1) not tested serology
- All 3 outbreaks in back yards – by passive surveillance and located in the 3 and 10 km restrictive zone
- No dead wild birds reported in the regions concerned





MEASURES TAKEN TO COMBAT HPAI (H5N8)

Aiming at prevention, early detection of infected poultry, eradication of HPAI (introduction of strengthen surveillance and restriction measures):

- enhanced biosecurity measures in farms, increased number of official veterinary inspections to verify their proper implementation
- indoor keeping of poultry (including waterfowl)
- enhanced laboratory surveillance in each farm with domestic poultry (**enforced in June 2018**), as follows:
 - serology sampling in 50-60 days old poultry (waterfowl and galliformes – breeders and layers), broilers – every two months;
 - pre-movement sampling (virusological sampling) between holdings (**enforced in October 2018**);
 - pre-movement sampling (virusological sampling) to slaughterhouse, only in duck kept in force feeding holding, located in the risk area (regions of Plovdiv, Haskovo and Stara Zagora) (**enforced in November 2018**).



MEASURES TAKEN TO COMBAT HPAI (H5N8)

- No derogation for trade and poultry movement within the protection and surveillance zones is allowed (derogation in line with the Directive)
- Repopulation of previous infected farm is allowed, as:
 - following the provisions of Article 49 of Directive 2005/94/EC
 - after lifting the restriction zones
 - repopulation with sentinels 21 days
- Poultry positive for Ab against HPAI (negative for HPAI Vi) are sent for immediate slaughtering (aiming at avoiding the presence of poultry population of HPAI Ab positive).
- 6 months break from operation in the farms where HPAI outbreaks were confirmed more than twice time within 12 months (6 months repopulation ban)



MEASURES TAKEN TO COMBAT HPAI (H5N8) OUTCOMES

Outcomes from the surveillance carried out (June – 16 November 2018):

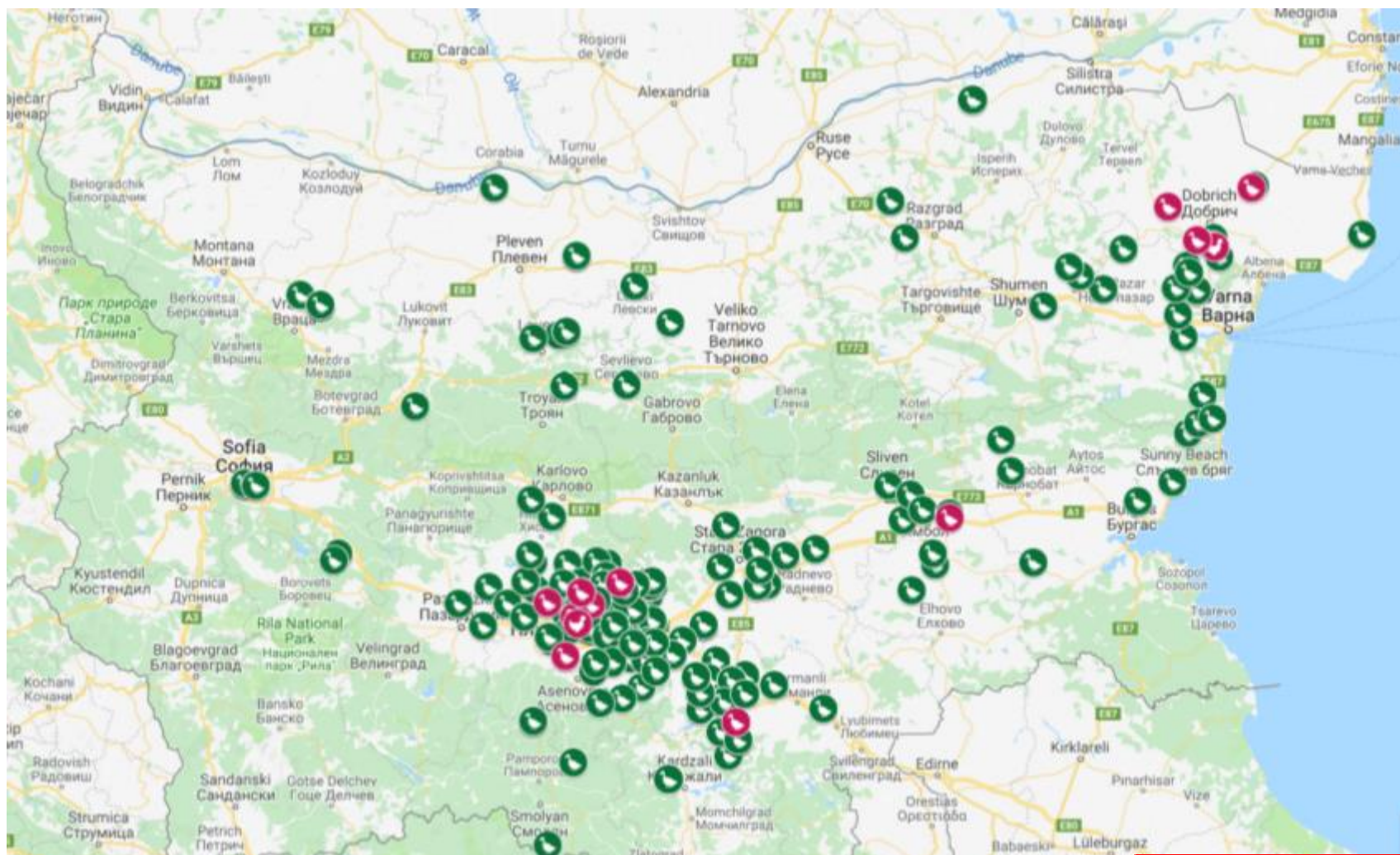
- 150 laying hens and breeders commercial farms serologically sampled – NO POSITIVE;
- 235 broiler farms serologically sampled – NO POSITIVE;
- 135 (out of 252) duck farms (mallard duck: in fattening and breeder sector) serologically sampled – 25 farms Ab positive for H5N8 (negative for HPAI Vi), 6 of them were HPAI outbreaks in previous year (infringements of biosecurity measures and possible introduction of Vi by transport means and workers);
- 174 (out of 252) duck farms (force feeding sector) virusologically sampled – 5 farms positive for HPAI H5N8 Vi (infringements of biosecurity measures applied and possible introduction of Vi by transport means and workers);
- Location of the farm positive for Ab or Vi of HPAI H5N8 is in the identified risk areas covering the regions of Plovdiv and Haskovo and few municipalities of Stara Zagora region (regions with highest density of duck population).
- HPAI outbreaks repeated in the same farms – 3 duck farms, 1 laying hens farm, 1 for captive bird.
- No positive wild birds (77 dead birds found throughout the country, tested negative for AI)



CONCLUSIONS

Persistence of HPAI Vi infection, in 2018:

- biosecurity breaches in the farm and transport (also workers and equipment);
- high density of the duck farms in a region (Plovdiv region);
- outdoor keeping poultry
- enhanced surveillance in waterfowl is a key factor for control of the disease



HPAI H5N8 in poultry confirmed in 2018 (as at 25/09/2018)



REPUBLIC OF BULGARIA
MINISTRY OF AGRICULTURE, FOOD AND FORESTRY
BULGARIAN FOOD SAFETY AGENCY

Thank you for the attention!



Bulgarian Food Safety Agency
15A Pencho Slaveikov blvd.
1606 Sofia, Bulgaria
tel.: 00359 2 915 98 20
e-mail: AHWFC@bfsa.bg