

# HPAI epidemic in Bulgaria

December 2016 – February 2017

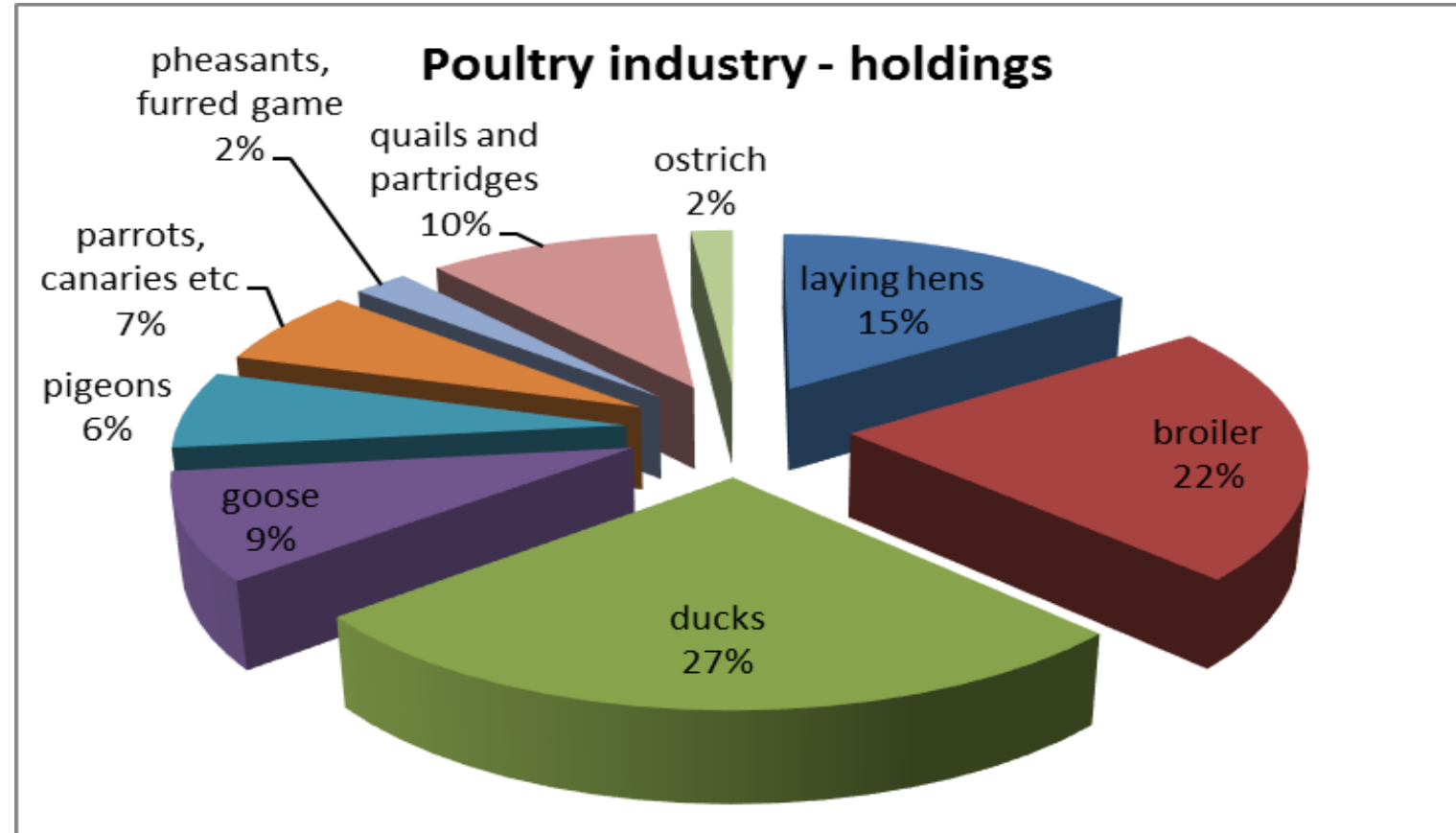
PAFF 2-3 March 2017

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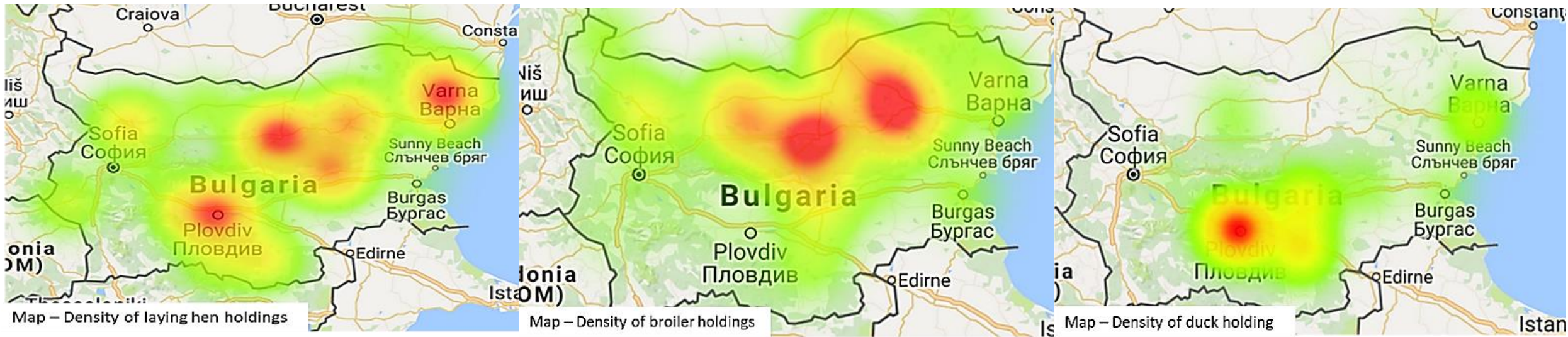
# Overview of poultry industry (1)

Category	Holding, n	Poultry, n
Hatchery (hens)*	24	
breeding and laying hens	158	6974647
broiler	237	15788960
ducks	257	2706982
goose	755	4473
pigeons	26	2402
parrots, canaries etc	675	4080
pheasants, quails and partridges, (farmed game)	252	120688
ostrich	16	455
back yards	219197	2265510



\*6 hatcheries are only intended for ducks

# Overview of poultry industry (2)



Map 1 - heat maps of laying hens, broiler and duck holdings in Bulgaria

# Preparedness and measures before the HPAI epidemic in Bulgaria

Since November 2016, due to unfavorable epizootic situation of HPAI in Europe, Bulgaria has introduced enhanced animal health requirements for poultry and captive birds for the purpose of control and early detection of AI virus circulation, as follows:

- enforced epidemiological preparedness;
- enforced surveillance and clinical examinations in all poultry farms;
- ban for poultry markets, competitions;
- regional and municipal epizootic commissions;
- enforced biosecurity measures in holding (requesting farmers to keep poultry and other captive birds indoors, or take appropriate steps to keep them separate from wild birds);
- awareness, information for farmers and all stakeholders about clinical signs, biosecurity measures and their obligations in case of suspicions.



## В Ново село разпространиха листовки заради птичия грип

публикувано на 24.12.16 в 16:20

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В Ново село разпространиха листовки "Какво трябва да знаем за птичия грип", а кметът на общината издаде заповед с мерки за профилактика, ограничаване и ликвидиране на болестта инфлуенца или грип по птиците. В заповедта са изброени както отговорностите на стопаните- незабавно да информират ветеринарните органи при завишена смъртност, ограничаване контакта на домашните птици с дивите, съхраняване на фуража в затворени помещения, така и общите забрани за провеждане на изложби и пазари на домашни птици и свине, раселване на диви птици на територията, свободната търговия с птици, яйца и други птичи продукти.

До днес ново огнище на птичия грип в Ново село няма. Изследваният щам на инфлуенца по птиците в селото е заразен, но не смъртоносен за човека. Стопаните на умрелите

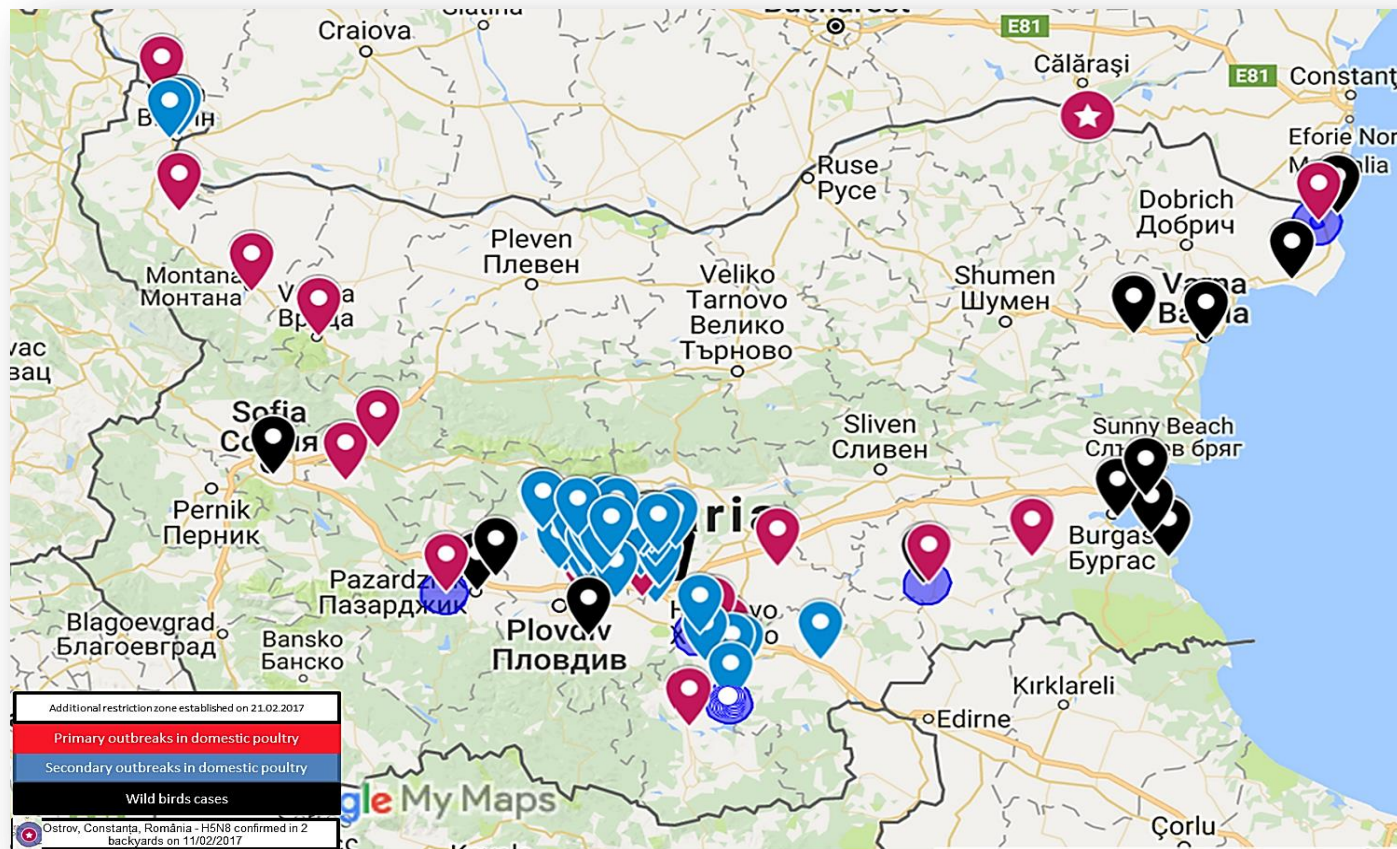
Снимка: Светлана Бондова



# HPAI SITUATION

State of play: as at 24.02.2017

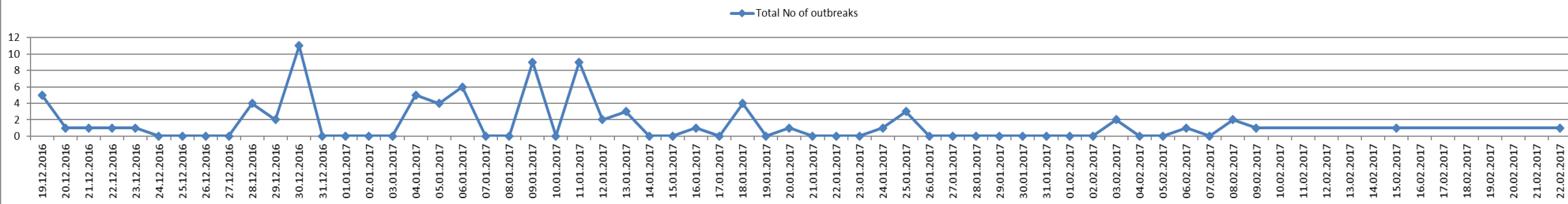
- first AI outbreak recorded - 19.12.2016
- 14 regions affected (out of 28 regions)
- 82 confirmed outbreaks:
  - 68 outbreaks in domestic poultry
  - 13 cases in wild birds
  - 1 case in zoo



Map – geographical distribution of HPAI outbreaks and 3 protective and 10 km surveillance zones as by 24/02/2017

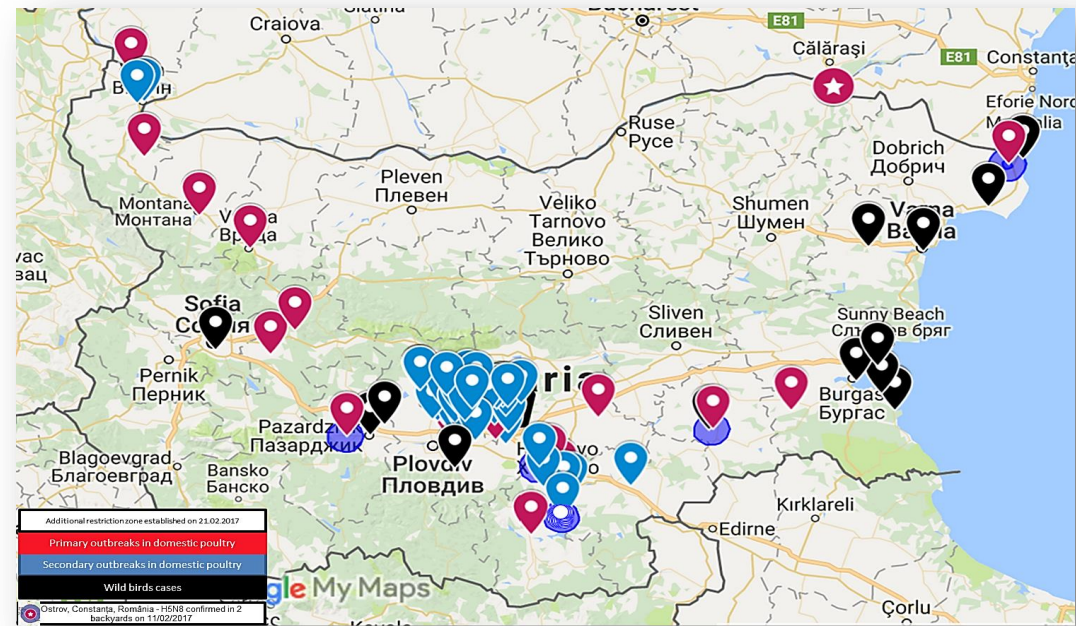
Graph: HPAI epidemic curve in BG

AI outbreaks 19/12/2016 - 24/02/2017 - BG



# HPAI SITUATION in domestic poultry

- 68 outbreaks confirmed in 12 regions
  - 13 in back yards holdings
  - 53 commercial farms ( 51 duck and 2 laying hens farms)
  - 2 in captive poultry



Region	Backyards	Duck farms	Laying hen farms	Captive ducks	Total
Vidin	5				5
Vratsa				1	1
Sofia district	1				1
Plovdiv	1	28	2		31
Montana	1				1
Kurdzhali	2				2
Stara zagora		15			15
Haskovo		8			8
Burgas	1				1
Pazardzhik	1				1
Dobrich	1				1
Yambol				1	1
<b>total</b>	<b>13</b>	<b>51</b>	<b>2</b>	<b>2</b>	<b>68</b>

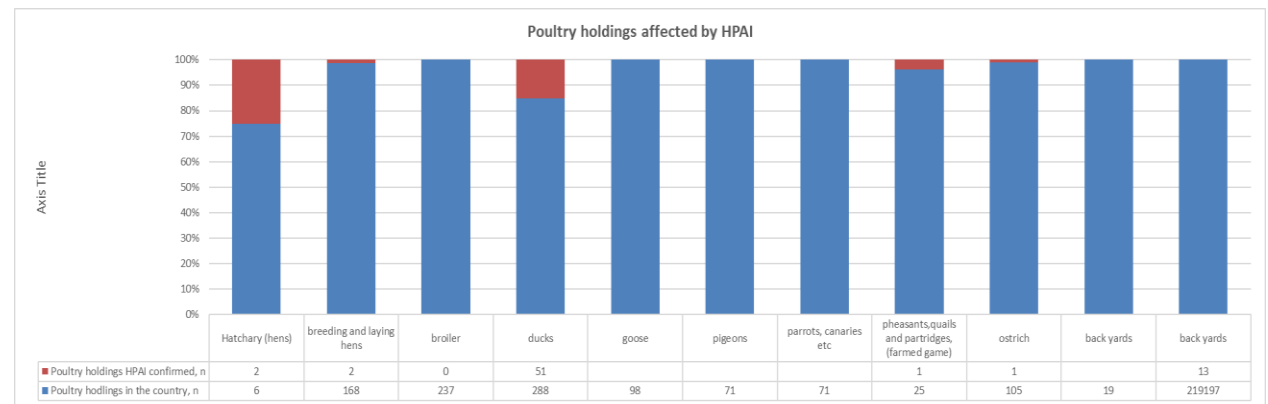
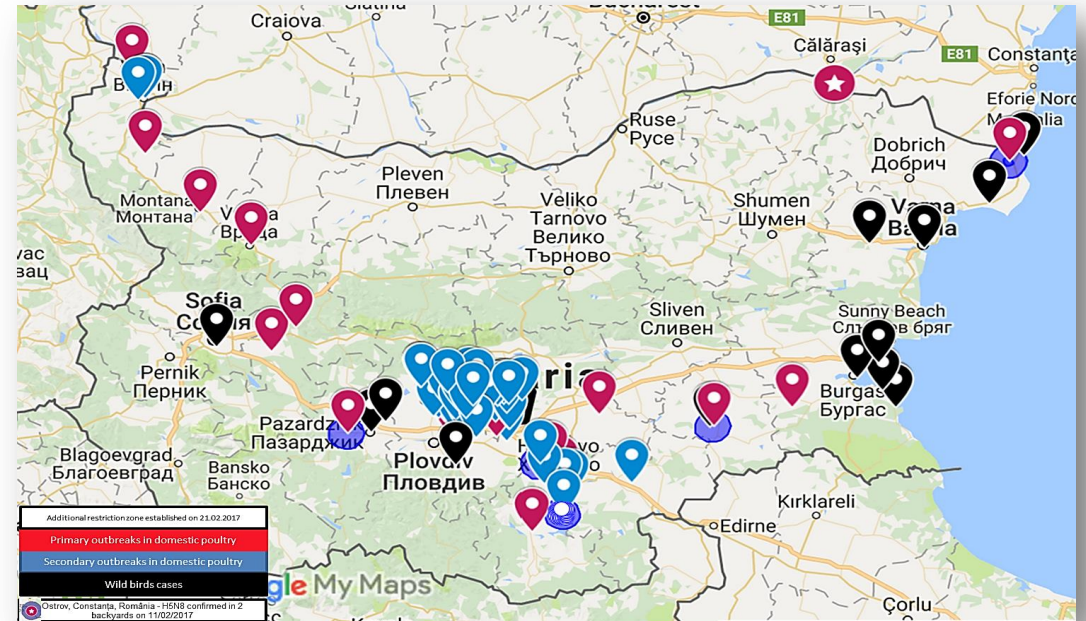


Chart –poultry holdings affected by HPAI vs total poultry holdings in the country per category



# HPAI SITUATION - wild birds

Region	Outbreaks , n	Wild birds	Species
Yambol (Trunkovo dam)	1	2	herons (Ardea)
Pazardzhik	2	3	2 long-eared owls (Asio otus) ; 1 common buzzard (Buteo buteo)
Varna (coastline)	3	3	4 mute swan (Cygnus olor)
Burgas( Burgas and Chernomorets' coastline and park Arkutino)	4	9	3 wrens, 6 mute swan
Plovdiv	1	1	mute swan (Cygnus olor)
Dobrich	2	2	2great egret (Ardea alba), 1 mute swan

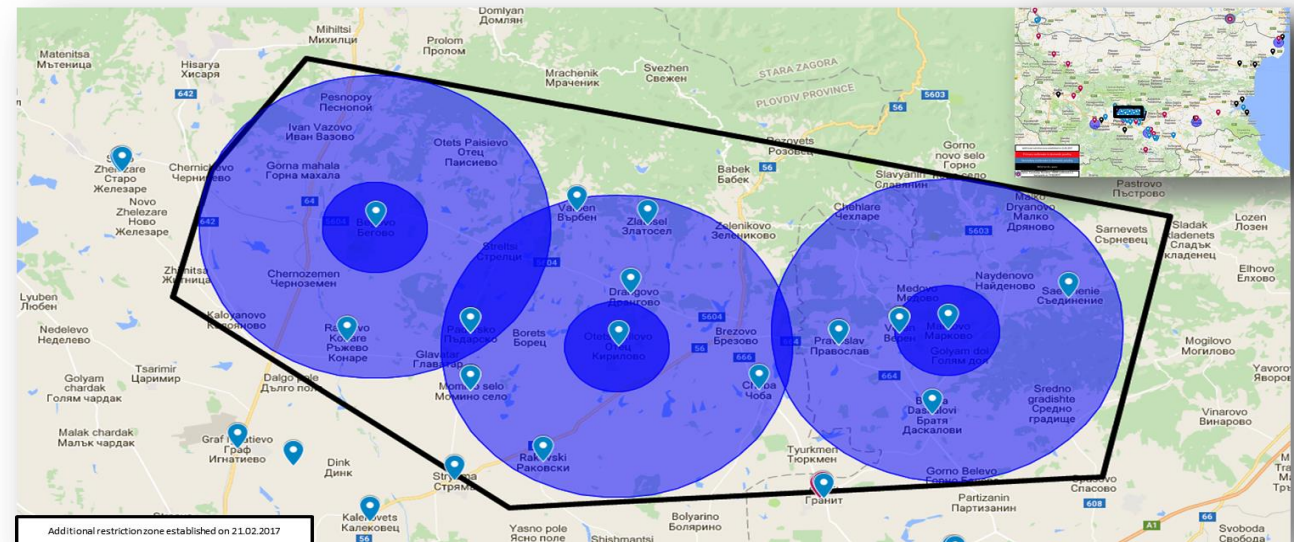


Outbreak in a zoo in Sofia city (Sofia zoo) – Galliformes (hens, partridges), Waterfowl (ducks , swan)

# Emergency measures undertaken (1)

Emergency and eradication measures pursuant to Council Directive 2005/94/EC on Community measures for the control of avian influenza and the National contingency plan for AI:

- culling and safe disposal of all animals in the affected holdings, including in the technological linked holdings (mainly hatcheries);
- cleaning and disinfection in three rounds in the affected holdings and around them;
- establishing 3 km protection zone and 10 km surveillance around the outbreaks (ban of movements of birds and products thereof within and outside the protection and surveillance zones);
- enhancing the active surveillance in entire country and sampling all duck farms located in the high risk areas (Stara Zagora, Plovdiv and Haskovo);
- establishing an additional restriction (surveillance) zone in regions considered as high risk, as per the Art 16(4) Dir 2005/94.



Map 3 additional restriction (surveillance) zone established in the regions considered as high risk areas



## **Emergency measures undertaken (2)**

- ban of live poultry markets, exhibitions and competitions on the whole territory of the country;
- enforcing biosecurity measures in poultry farms and highly concentrated with wild bird water pools in entire country;
- ban of hunting for birds on the territory of the country (in high risk areas, and the areas in 10 km zones around outbreaks);
- enhanced passive surveillance in wild birds (close cooperation with hunters and ornithology' organizations);
- establishing 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 (map of outbreaks; instructions ).