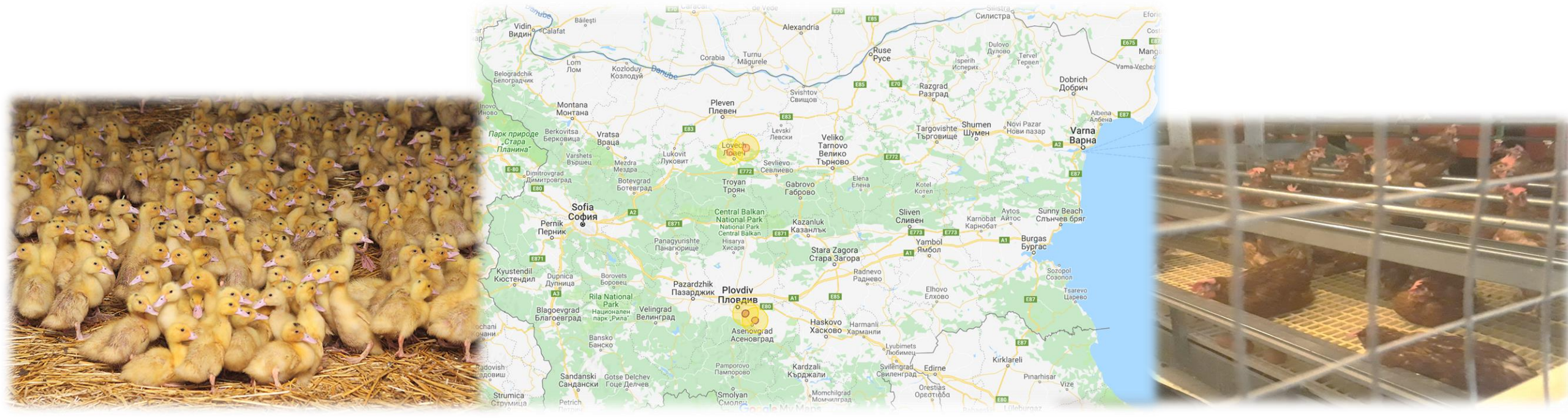




Avian influenza situation in Bulgaria

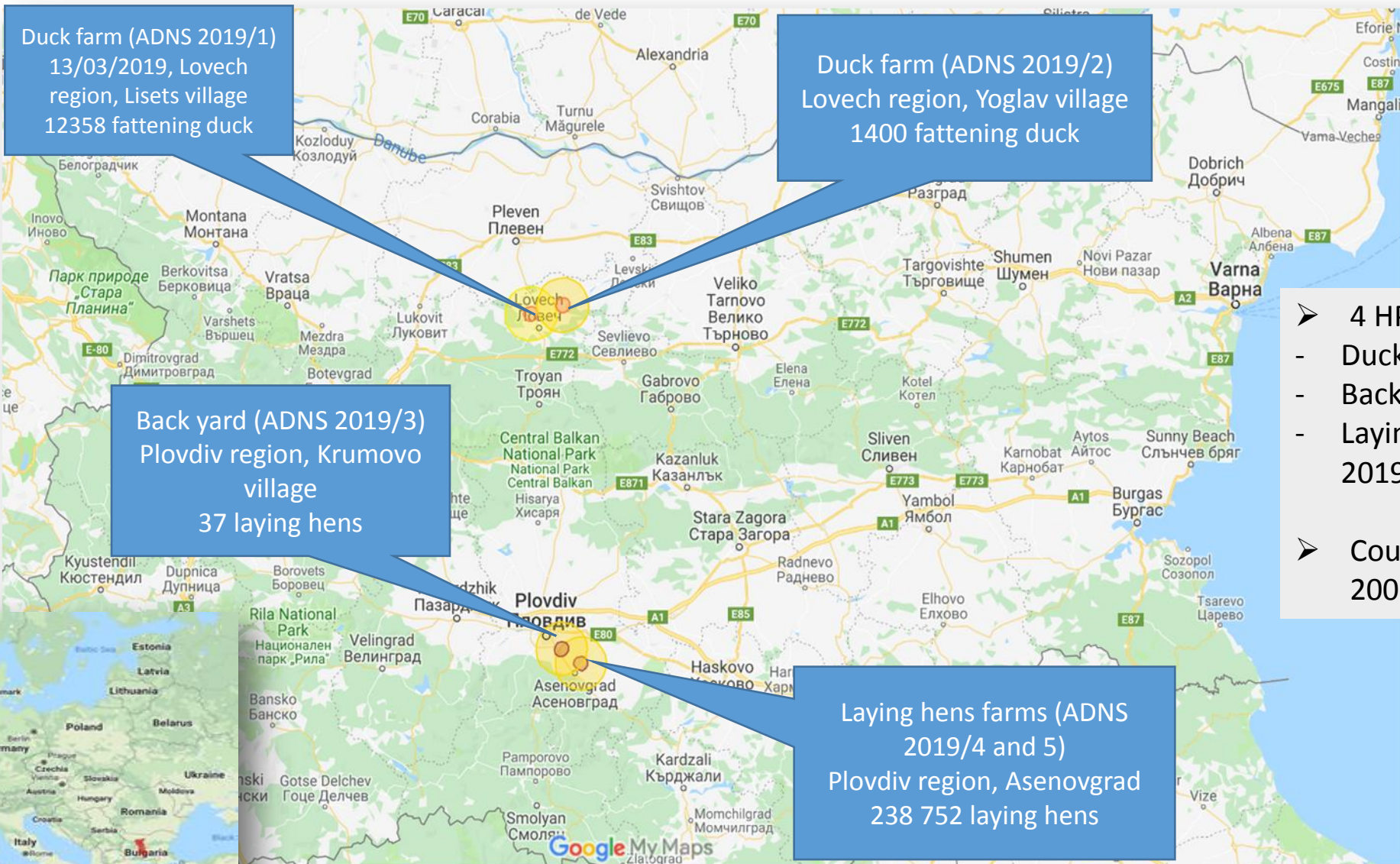
11.04.2019, PAFF





Overview of the HPAI H5 N8 epidemiological situation

01.01.2019 – 11.04.2019



- 4 HPAI H5N8 outbreaks
 - Duck farm (ADNS 2019/2)
 - Back yard (ADNS 2019/3)
 - Laying hens farms (ADNS 2019/4 and 5)
- Council Directive 2005/94/EC



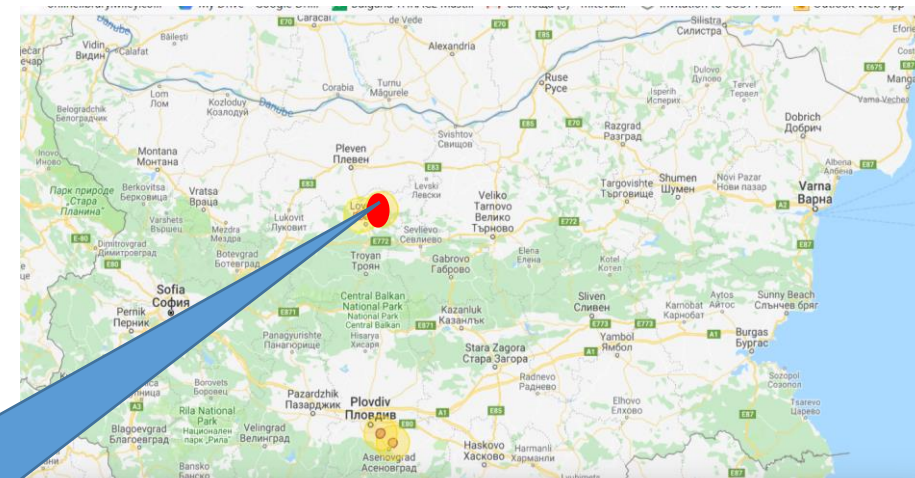


Overview of the HPAI H5 N8 epidemiological situation

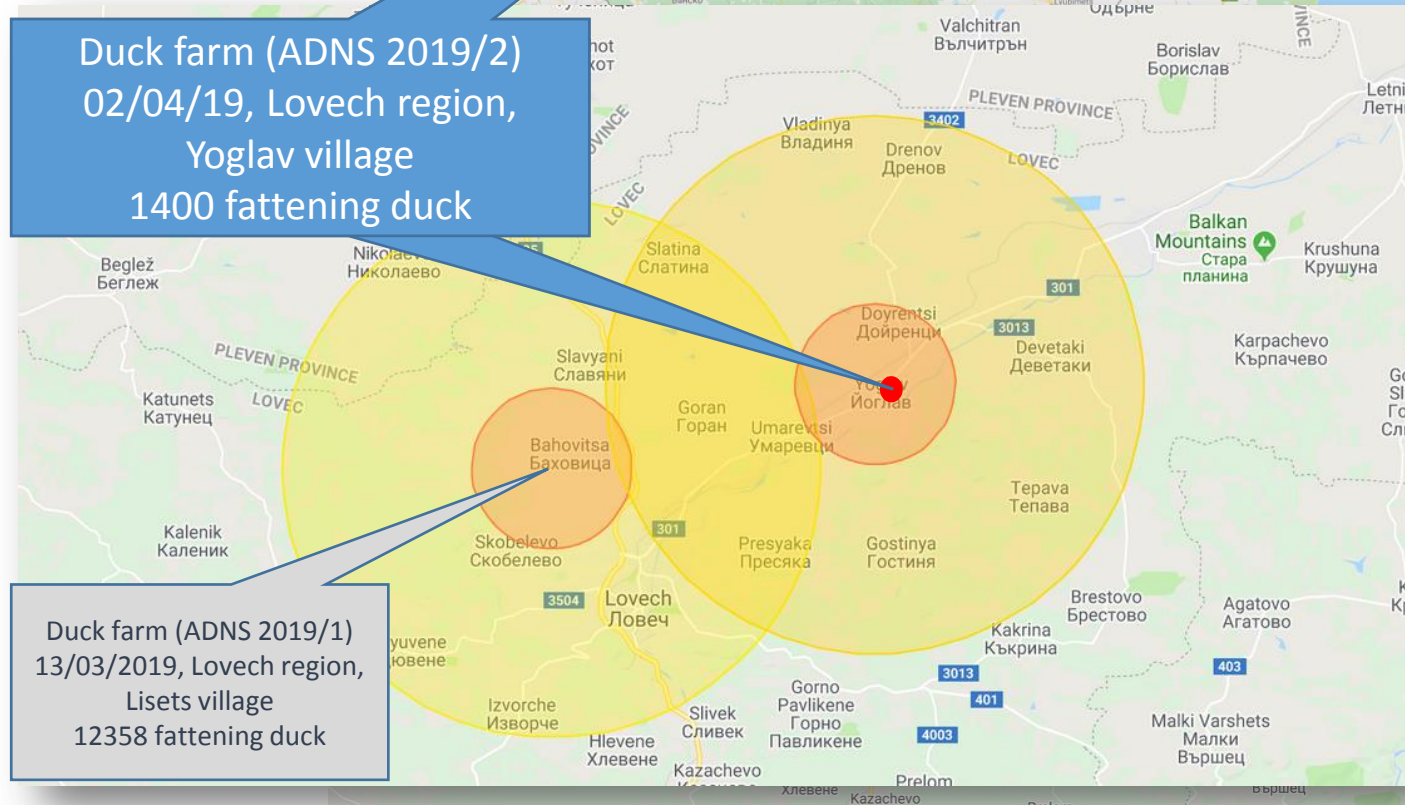
01.01.2019 – 11.04.2019

HPAI H5N8 outbreak in duck farm (ADNS 2019/2)

- Lovech region, Yoglav village;
- 1 400 fattening duck, 85 day old
- 01/04/2019 – PCR testing, within the enhanced active surveillance (enforced since Oct 2018 in the whole territory of the country); The duck were moved from other technology linked farm (growers) – at 60 km distance, 2 days ago;
- No clinical signs were reported.
- 02/04/2019 – confirmation HPAI H5N8;
- 03/04/2019 – technology linked farm (7000 duck growers) tested with negative results;
- 02/04/2019 - enforcement of Directive 2005/94/EC:
 - 3 km protective and 10 km surveillance zones around the outbreak (only 1 duck farms in operation with 15 000 fattening ducks);
 - stamping out and disposal.
- 04/04/2019 – disposal of carcasses, contaminated feed and materials; cleaning and final disinfection;



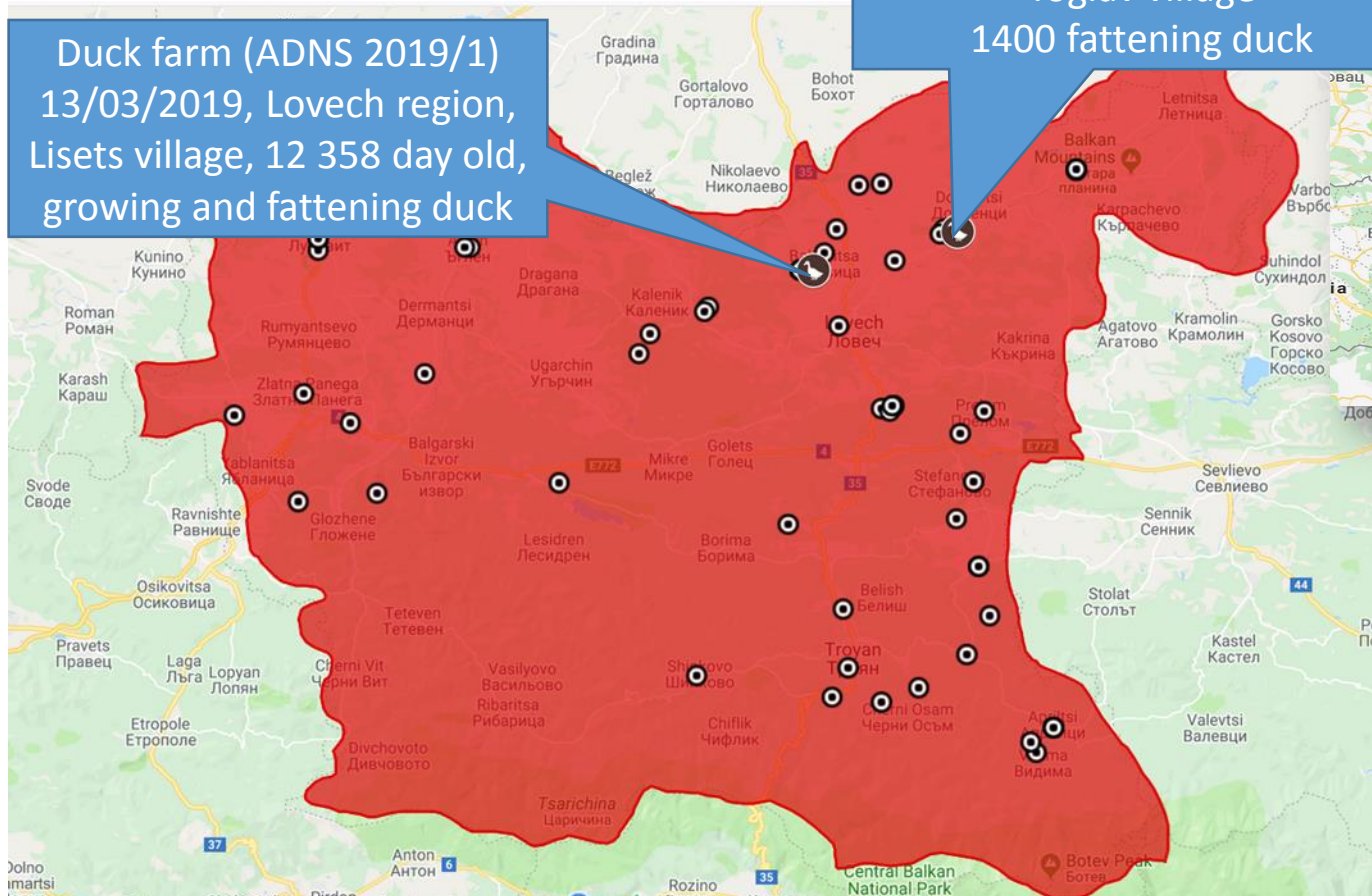
Duck farm (ADNS 2019/2)
02/04/19, Lovech region,
Yoglav village
1400 fattening duck



Duck farm (ADNS 2019/1)
13/03/2019, Lovech region,
Lisets village
12358 fattening duck



Lovech region



- Low density of industrial poultry farms (31 out of 40 in operation);
- 15/03 – 10/04/2019 clinical examinations in industrial poultry farms , with negative results. No suspicion was raised in back yards;
- Possible epidemiological link between both outbreaks – private vet (testing in other farms served by the vet were negative)
- Transport company used – to the slaughterhouse (under investigation)

Region/farms	Duck	Laying hens	Broiler	Breeders	Hatchery (duck)
Lovech	8	8	22	2	1



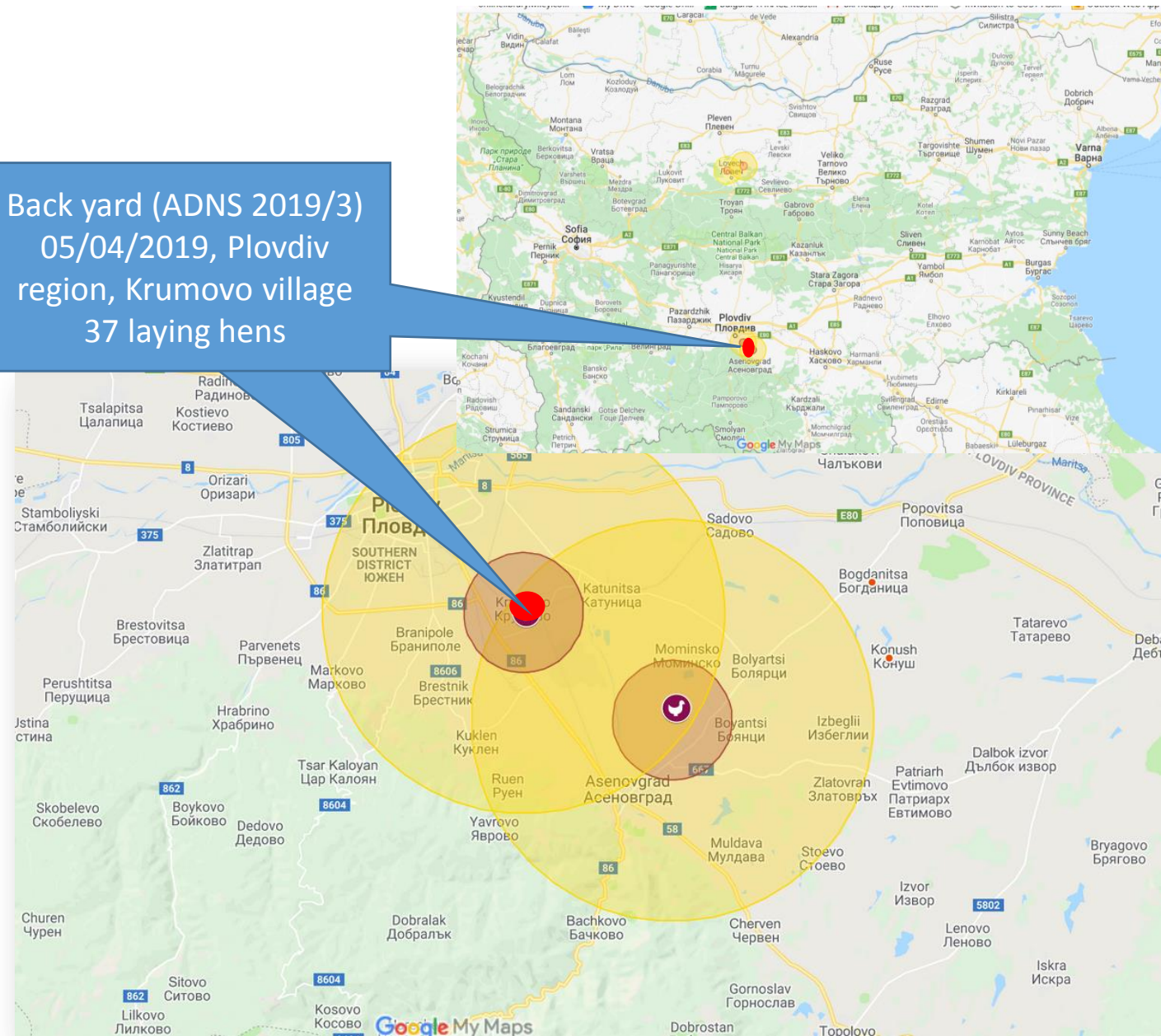
Overview of the HPAI H5 N8 epidemiological situation

15.03.2019 – 11.04.2019

HPAI H5 N8 outbreak in back yard (ADNS 2019/3)

- Plovdiv region, Krumovo village;
- 37 laying hens
- 03/04/2019 – PCR testing, passive surveillance, high mortality reported by the farmer
- 05/04/2019 – confirmation HPAI H5N8;
- Enforcement of Directive 2005/94/EC
 - establishing 3 km protective and 10 km surveillance zones around the outbreak (1 duck farm (23 000 poultry) and 2 laying hens farms HPAI affected in 10 km zone);
- *HPAI H5N8 was confirmed in a back yard, in the same village, November 2018 (ANNS 2018/17)*

Back yard (ADNS 2019/3)
05/04/2019, Plovdiv region,
Krumovo village
37 laying hens



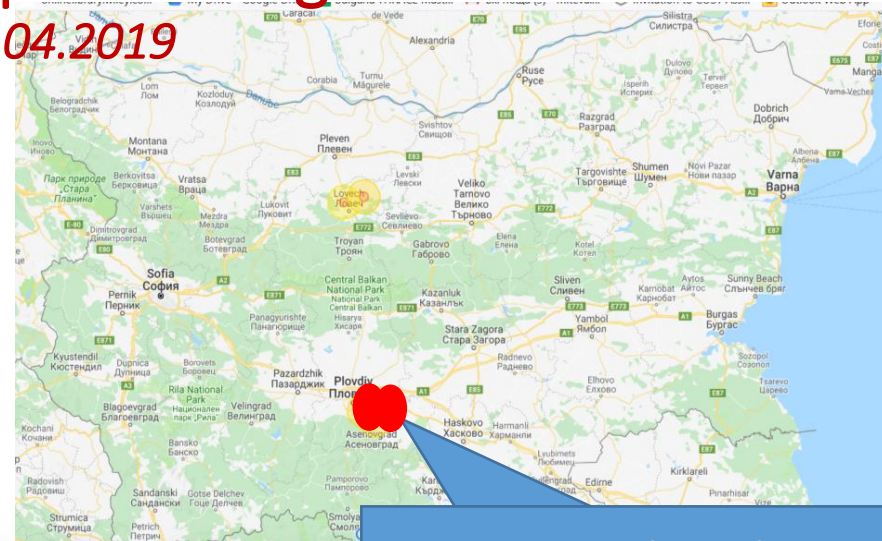


Overview of the HPAI H5 N8 epidemiological situation

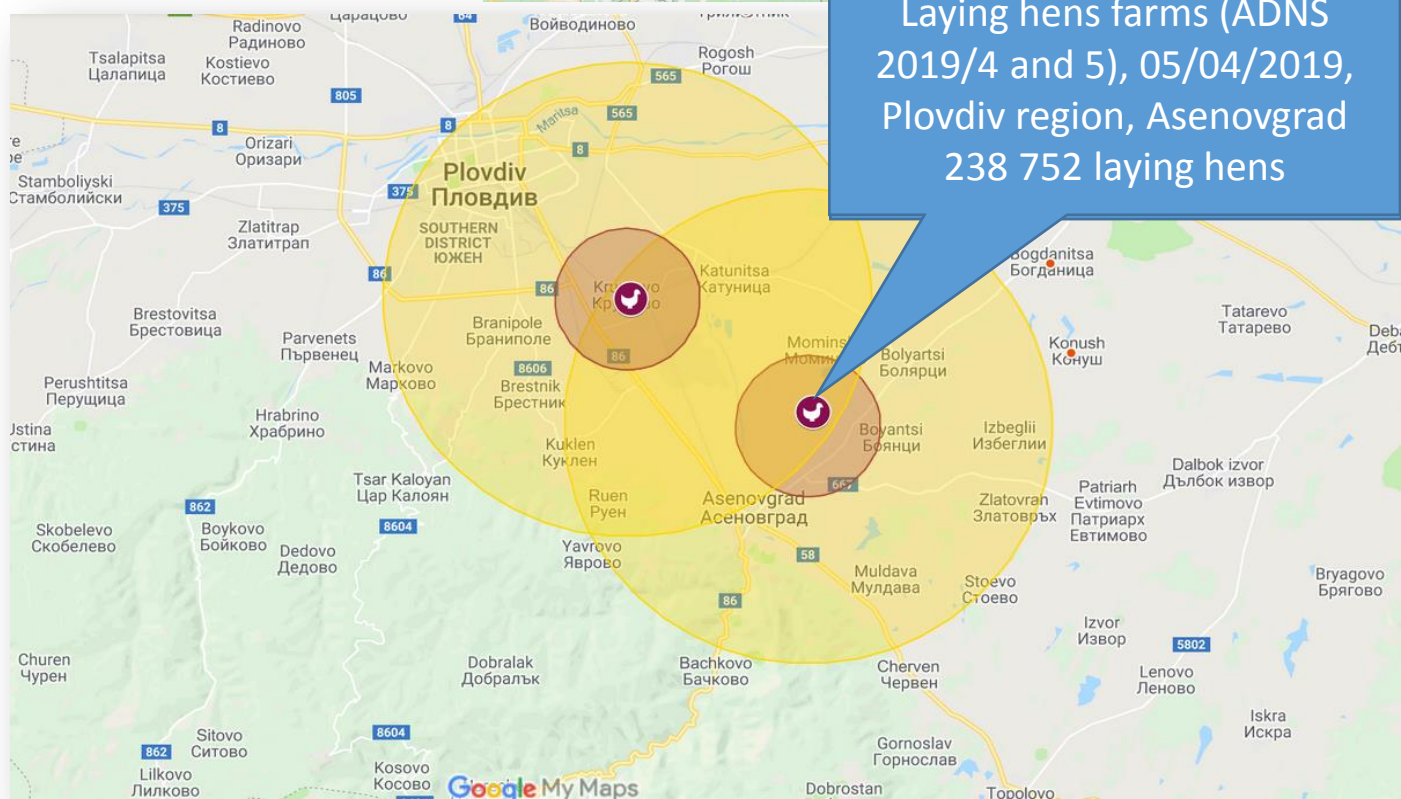
15.03.2019 – 11.04.2019

HPAI H5N8 outbreak in laying hens farms (ADNS 2019/4-5)

- Plovdiv region, land of Asenovgrad municipality
- Two farms, technology linked and located close each other;
- - ADNS 2019/4 Primary outbreak – 70 000 poultry; detected by suspicion raised by the owners, 03/04/2019. Clinical manifestation – higher mortality, clinical (depression) and pathological signs suggesting AI infection; 05/04/2019 – confirmation HPAI H5N8;
- ADNS 2019/5 Secondary 168 752 poultry detected within the active surveillance on 08/04/2019. The last sampling in both farms: PCR tests on 20/03/2019



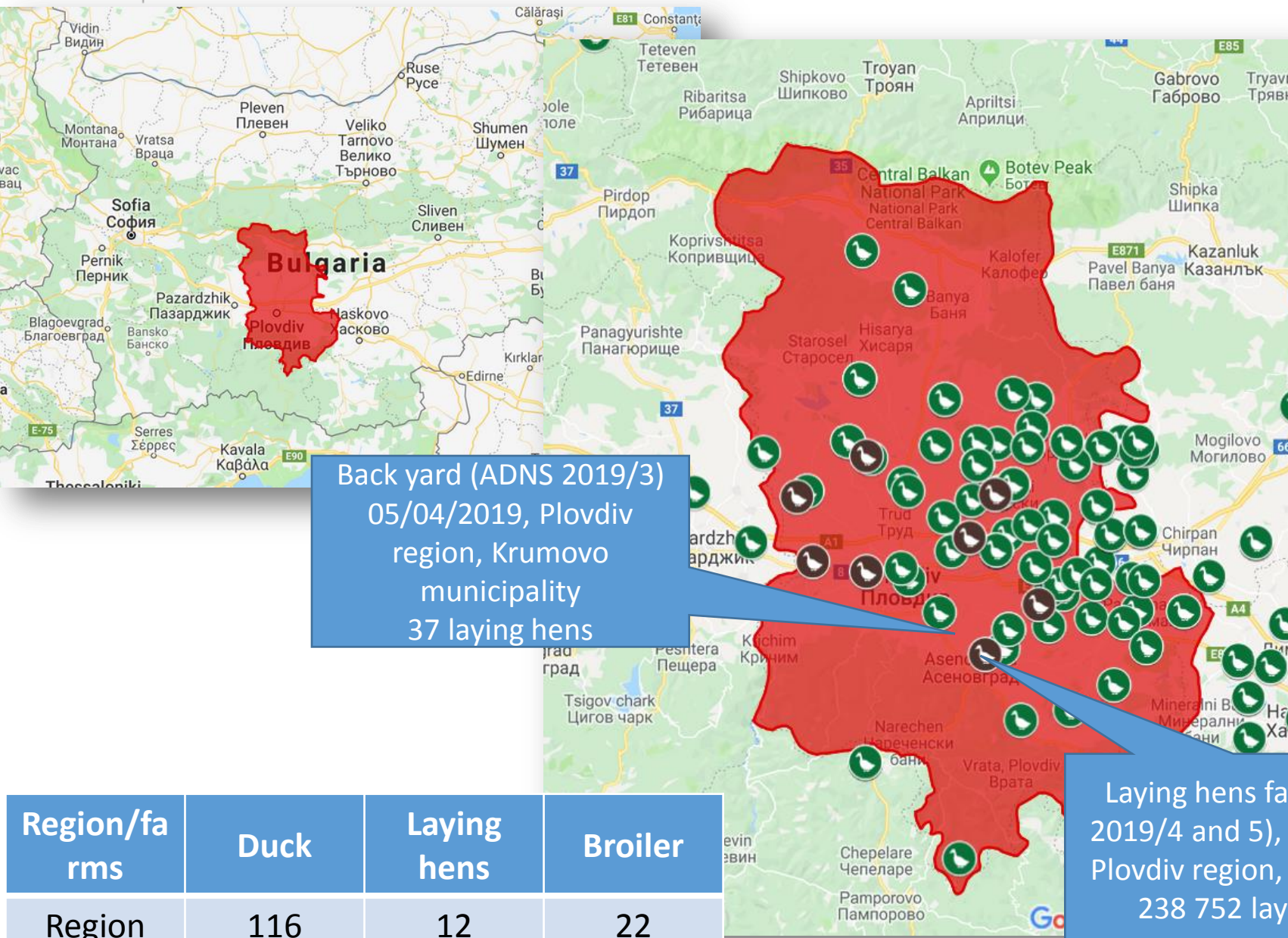
Laying hens farms (ADNS 2019/4 and 5), 05/04/2019, Plovdiv region, Asenovgrad 238 752 laying hens



- Enforcement of Directive 2005/94/EC:
 - establishing 3 km protective and 10 km surveillance zones around the outbreak (only 2 duck farms (31 500 poultry) in 10 km zone);
 - culling and disposal of all birds in the farm, cleaning and disinfection (10/04/2019).



Plodiv region



Back yard (ADNS 2019/3)
 05/04/2019, Plovdiv
 region, Krumovo
 municipality
 37 laying hens

Laying hens farms (ADNS
 2019/4 and 5), 05/04/2019
 Plovdiv region, Asenovgrad
 238 752 laying hens

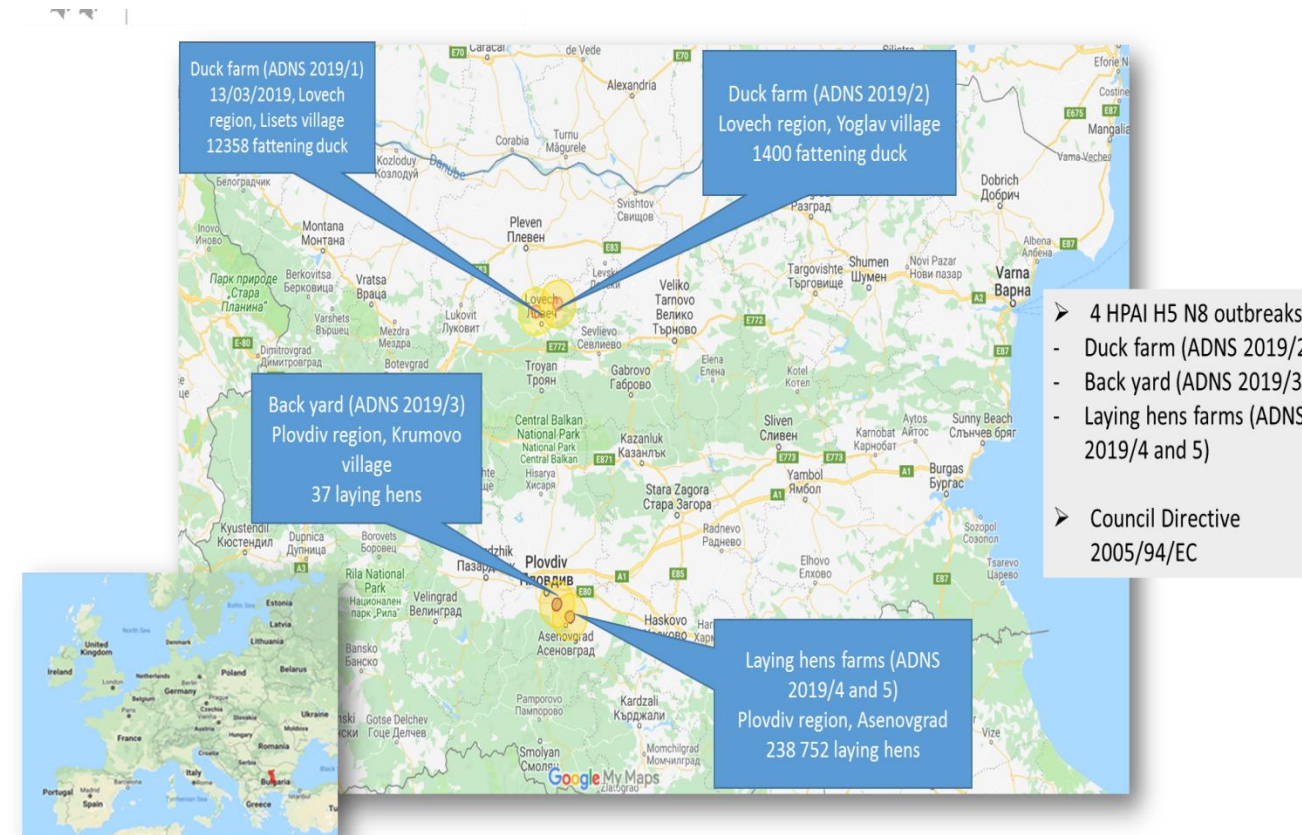
- Higher density of industrial poultry farms (150 farms in operation);
- Higher risk for AI spreading in the region;
- Possible pathway of contamination and likely source of infection in the affected commercial farms:
 - Used common: Source of water; Feed storage;
 - Private vet and personnel;
 - Biosecurity break (pest control)

Region/farms	Duck	Laying hens	Broiler
Region	116	12	22



Enhanced active surveillance and control measures since May 2018

- Enhanced laboratory surveillance in each farm with domestic poultry:
 - serological sampling (every 2 months)
 - virological pre-movement sampling in duck farms in high risk area.
- Repopulation of previous infected farm (Vi and Ab positive) is allowed, as:
 - following the provisions of Article 49 of Directive 2005/94/EC
 - after lifting the restriction zones
 - repopulation with sentinels 21 days
 - sampling of industrial farms located in 3 km zone - with negative results
- Poultry positive for Ab against HPAI (negative for HPAI Vi) are sent for immediate slaughtering (aiming to avoid 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 within 12 months (6 months ban for repopulation)





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

Thank you for the attention!

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