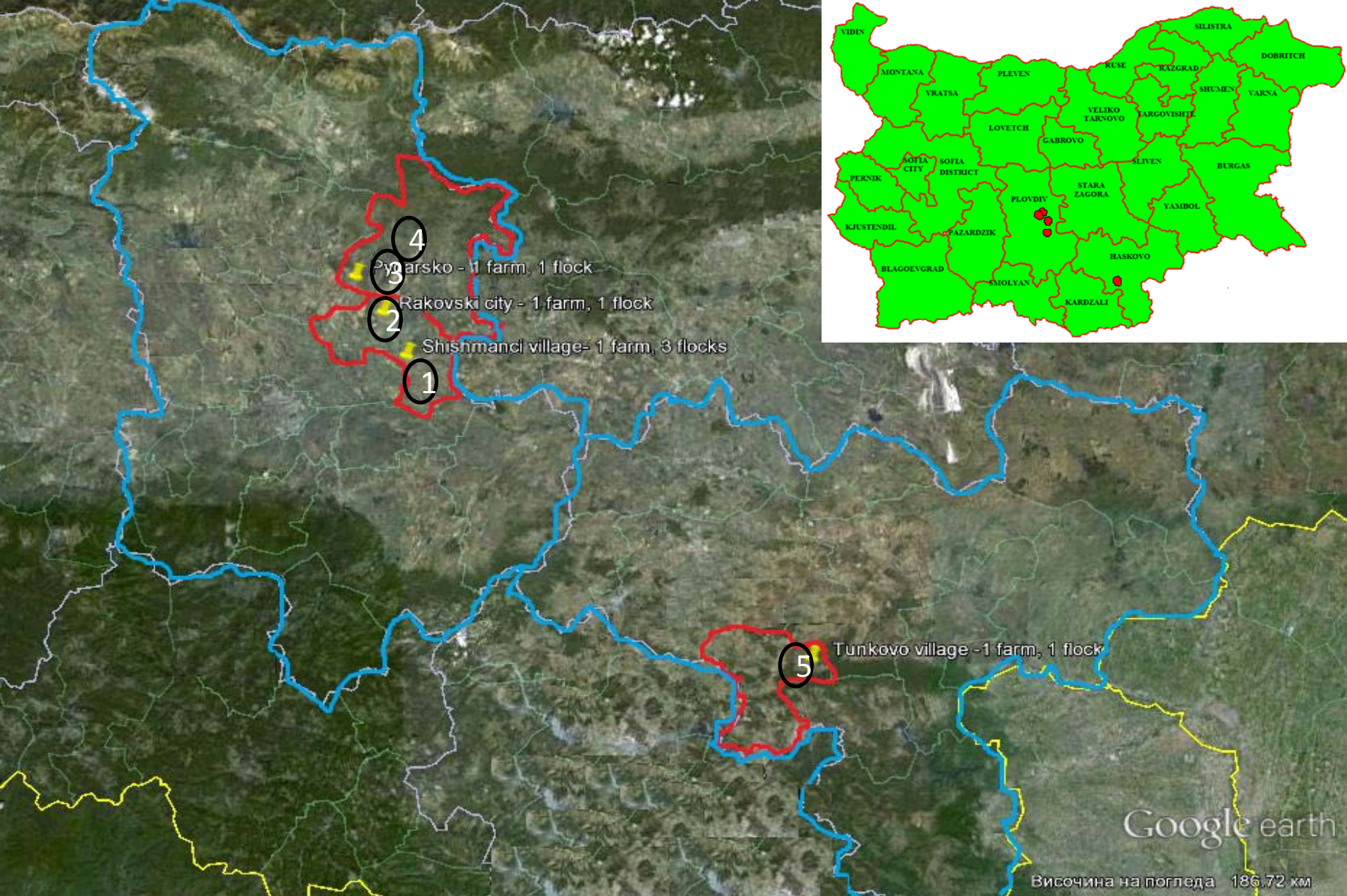




**LOW PATHOGENIC AVIAN INFLUENZA  
(subtype H5)  
in a Mallard Duck farms  
in Republic of Bulgaria  
2011**



SCoFAH, Brussels  
11-12 January 2012



Map – location of the farms with confirmed H5 LPAI

### H5 LPAI in Plovdiv region



- 4 infected farms located in two municipalities in Plovdiv region;
- 6 infected flocks;
- Total number of killed and destroyed ducks - 15 165 ducks.



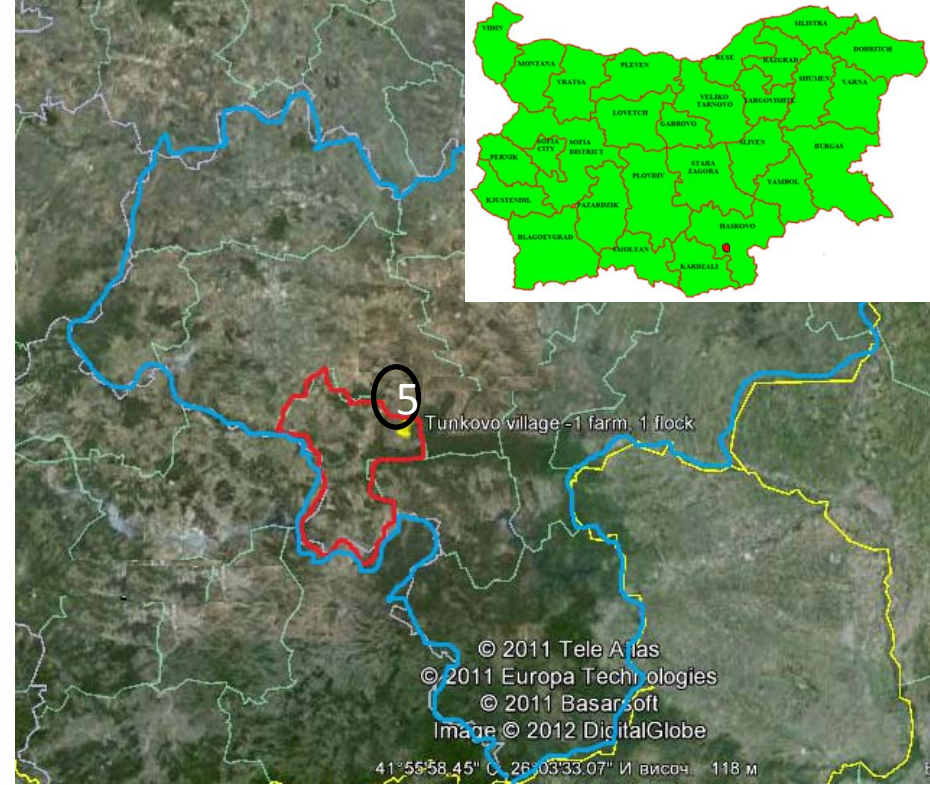
## H5 LPAI in Plovdiv region detailed information

Farms	Positive flocks	Number of ducks in the flocks	Age of ducks	Date of confirmation	Date of killing the ducks	Number of commercial farms in 1 km restrictive zone
<b>Rakovski municipality</b>						
farm № 1 in Shishmancy village	1	5000*		08/12/2011	05/12/2011*	-
	1	1665	112 days	08/12/2011	16/12/2011	-
	1	4640	48 days	15/12/2011	22/12/2011	-
farm № 2 in Rakovski city	1	2463	61 days	16/12/2011	21-22/12/2011	-
<b>Brezovo municipality, Padarsko village</b>						
farm № 3	1	2590	56 days	16/12/2011	21/12/2011	-
	1	2577	98 days	16/12/2011	23/12/2011	-
farm № 4	1	1230	56 days	16/12/2011	21/12/2011	-
4 farms in total	6*	15165*				

\*1 flock with 5000 ducks was slaughtered before confirmation of the H5 LPAI. The flock was not counted in the total number of ducks positive for H5 LPAI



## H5 LPAI in Haskovo region



Farms	Positive flocks	Number of ducks in the flocks	Age of ducks	Date of confirmation	Date of killing the ducks	Number of commercial farms in 1 km restrictive zone
Stambolovo municipality						
farm № 5 in Tunkovo village	1	1064	61 days	23/12/2011	28/12/2011	-





## Epidemiological situation

### Sampling and testing in the period October 2011– as by 11<sup>th</sup> of Jan. 2012

The H5 LPAI was confirmed in the framework of the implementation of AI Research project (in collaboration with St. Jude Children's Research Hospital, Memphis, TN, USA );

In time period October 2011 – as by 11<sup>th</sup> Jan. 2012, sampling was carried out in:

- 6 regions in the country;
- Duck farms – 634 cloacal swabs, 344 faeces samples;
- Wild birds – 1213 samples ( cloacal, faeces, tissues).
- Remaining:
  - Ducks – 313 cloacal swabs and faeces samples;
  - Wild birds – 80 samples ( cloacal, faeces, tissues;)
  - Pigs – 295 nazal swabs.



Map – testing in the regions under the project

Regions

LPAI confirmed

No other positive samples as by 11.01.2012



## Laboratory diagnosis

Laboratory diagnosis confirmed by the NRL for AI and ND:

- VI of the 10 days old chicken embryos
- HI test
- rRT-PCR

Samples sent to the EU Reference laboratory for AI, in Weybridge, for genotyping the virus of the disease. No results received as by 11.01.2012



## Measures taken by the Competent Authority

Measures according to the Council Directive 2005/94/EC :

- Killing of the flocks where the LPAI has been confirmed – all ducks were killed and destroyed in rendering plan ( 16<sup>th</sup> of Dec. and 22-23<sup>rd</sup> of Dec. 2011);
- Cleaning and disinfection of the infected premises( 16<sup>th</sup> of Dec. and 22-23<sup>rd</sup> of Dec. 2011);
- Establishment of 1 km restriction zone around the outbreaks. No commercial poultry farms and hatcheries in the established restrictive zones around the infected farms.

**Epidemiological investigations** - At present time the preliminary did not reveal which is the potential source of infection.

-The ducks originated from the same hatchery ( tested on 25<sup>th</sup> of Dec. 2011 – no positive results);

-No higher morbidity and mortality rates in domestic and wild birds in the infected farms and the zone and in any other settlements on the territory of Plovdiv and Haskovo regions and the whole country.



# ***THE END!***

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