

# African Swine Fever

## Current situation in Bulgaria

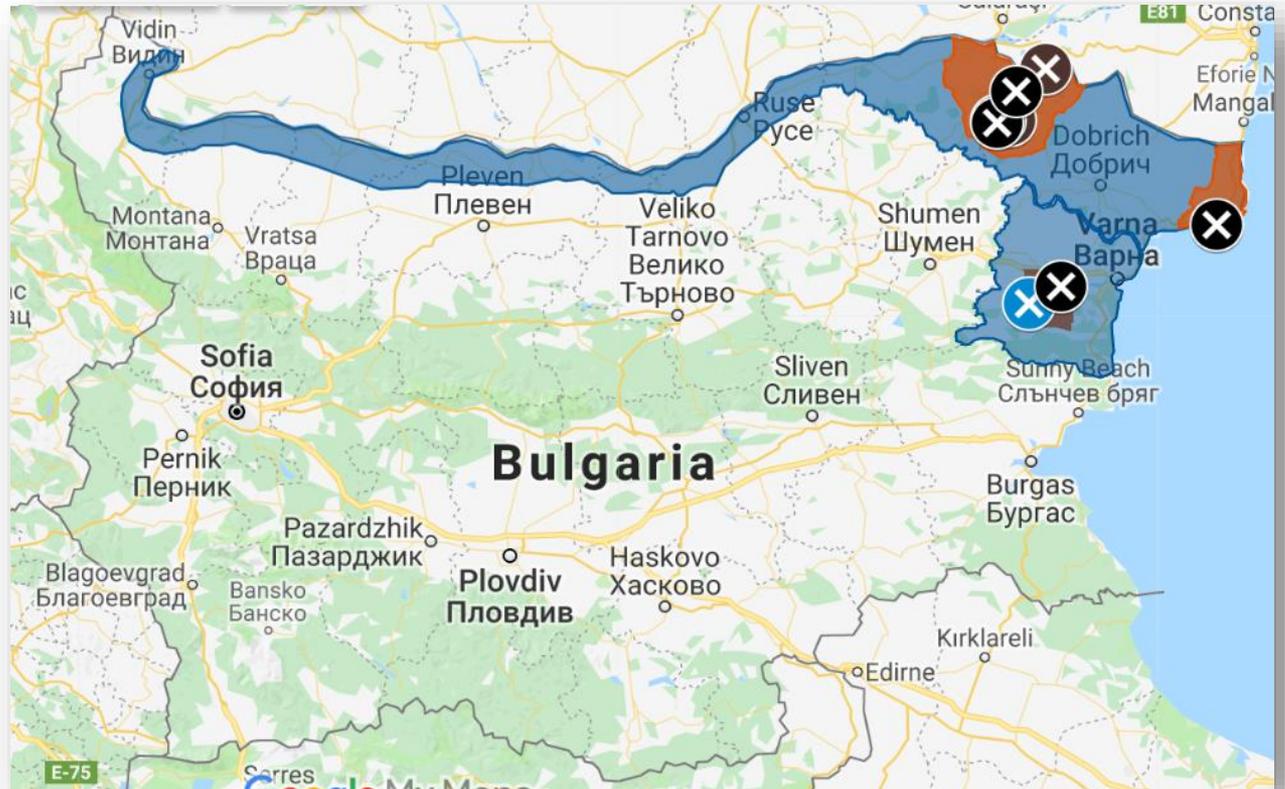
SGE GF-TADs , 11-12 March 2019, Prague



# Overview of the epi-situation



Timeline of ASF outbreak/cases since 31 Aug 2018



-  Infected zone (Part II of CID (EU) 2014/709)
-  High risk zones (Part I of CID (EU) 2014/709)

# ASF affected regions

## Silistra

**23.10.2018** - ASF in WB found dead in Kaynardzha municipality

**26.10.2018** - ASF in WB showing clinical signs shot in close proximity

**27.12.2018** - ASF in WB shot in “Zli dol” hunting ground, Alfatar Municipality, within same infected zone

**06.03.2018** – ASF in 2 WB found dead in Dulovo municipality (within previously established infected zone)

**Infected zone** - 1861 sq.km

**No of industrial farms** within the infected zone, 2 in the entire region

**Estimation of the WB population** - appr. 1500 WB.

**Source of primary introduction** (hypothesis) - migration of affected wild boar across the border

## Dobrich

**31.10.2018** - ASF in 4 WB showing clinical symptoms in fenced hunting ground “Zelenka”

**07-14.11.2018** - ASF in 13 WB shot in the same hunting ground

**25-27.02.2019** – ASF in 2 WB found dead in Tervel municipality

**Infected zone** – 674 sq.km

**No industrial farms** within the infected zone, 7 in the entire region

**Estimation of the WB population** – appr. 2000 WB.

**Source of primary introduction** (hypothesis) – human factor (close proximity to international road)



## Varna

**31.08.2018** – ASF in domestic pigs (backyard) – measures elapsed in the end of Oct 2018

**13.02.2019** – ASF in WB found dead in Devnya municipality

**Infected zone** – 499 sq. km

**No industrial farms** within the infected zone, 4 in the entire region

**East-Balkan pig herds present** – 24 herds

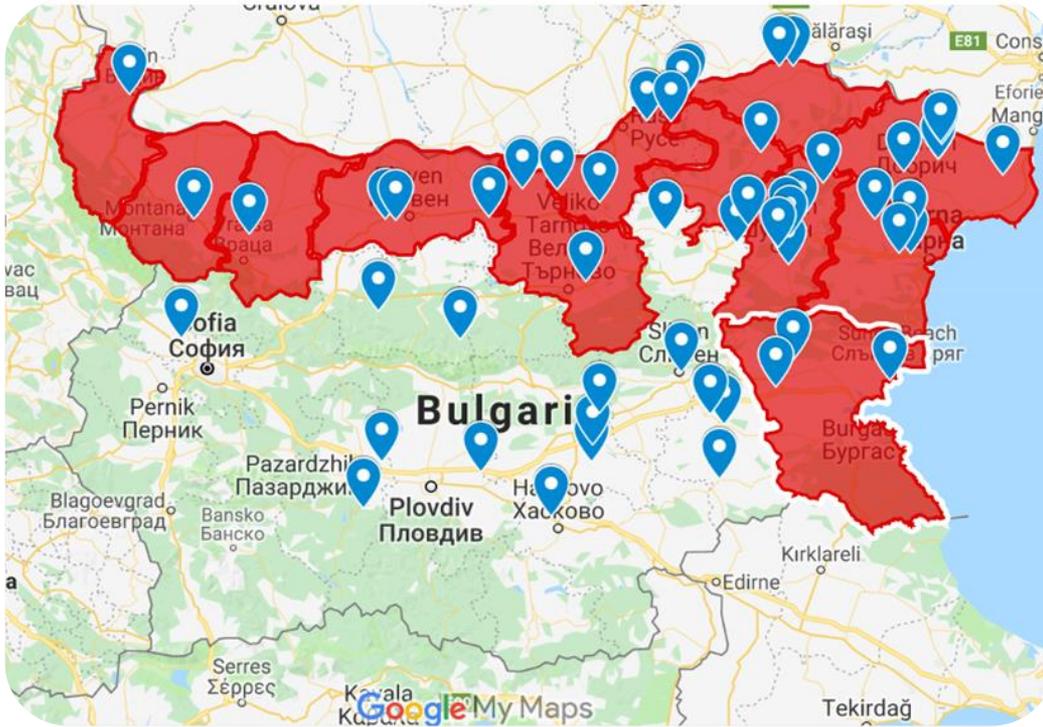
**Estimation of WB population** – appr. 4000

**Source of primary introduction** (hypothesis) – human factor

# Surveillance in affected regions

Region	No. of pig holdings	No. of domestic pigs	No. of holding checks	Result	No. of holdings in which samples were collected	Result	No of samples for active surveillance in WB	No of samples for passive surveillance in WB
Varna	571	64565	571	No clinical symptoms	571	Negative	604	3 (1 positive)
Silistra	716	28397	926	No clinical symptoms	33	Negative	313 (2 positive)	4 (3 positive)
Dobrich	193	39192	35	No clinical symptoms	14	Negative	230 (17 - positive within a fenced hunting ground)	5 (2 positive)

# Overview of the domestic population



category	Farms, n	Pigs, n
Industrial farms	63	461005
Type A	191	24582
EBP	50	3508
<b>Total</b>	<b>304</b>	<b>489095</b>

*ASF higher risk regions and distribution of the industrial pig holdings*

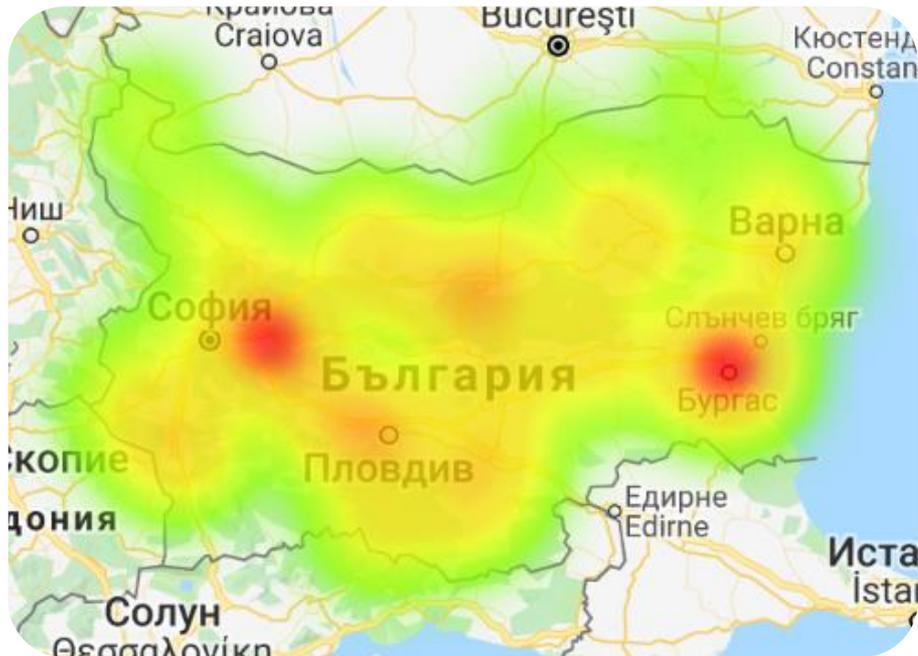
Holding Category	Number of holdings in higher-risk zones	% of holdings in higher-risk zones	Number of pigs in higher-risk zones	Percentage of pigs in higher-risk zones
Industrial	38	60,32	383700	83,23
Category A	103	53,93	13584	55,26
Eastbalkans	50	100,00	3508	100,00
<b>Overall</b>	<b>191</b>	<b>62,83</b>	<b>400792</b>	<b>81,95</b>

# Surveillance in the high-risk areas

(Sept 2018 – March 2019)

Region	No of samples for active surveillance in WB	No of samples for passive surveillance in WB	Result
Vidin	569	3	Negative
Vratza	367	0	Negative
Montana	595	5	Negative
Pleven	165	0	Negative
Razgrad	629	5	Negative
Ruse	837	4	Negative
Veliko Tarnovo	1457	2	Negative

- Surveillance in all types of pig farm by clinical examinations/biosecurity checks/sampling/pre-movement checks
- Increased passive surveillance



WB population density

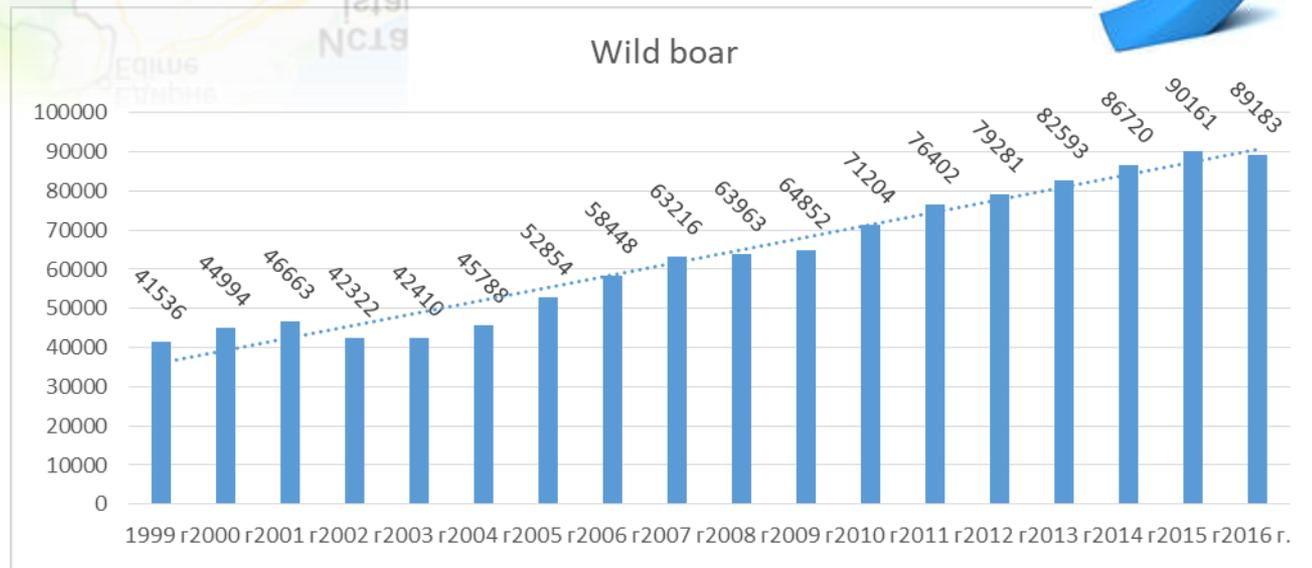
Average density – 2,49 WB/sq. km

WB hunted in 2018 –  
appr. 30 000 (+10 000  
in Jan 2019)

# Overview of the WB population

WB population dynamics

Y	WB
<b>2018</b>	<b>99839</b>
<b>2017</b>	<b>94741</b>



# Stakeholders involved in the ASF control

***Ministry of Agriculture, Food and Forestry (MAFF)***

- Bulgarian Food Safety Agency (BFSA)
- Executive Forestry Agency (EFA)

***Ministry of Environment***

***Border Control Directorate (within the Ministry of Interior)***

***Hunting organizations and associations***

***Pig industry***

# Control measures

- Surveillance programme in place
- Movement restrictions in accordance with CID (EU) 2014/709 + additional national measures
- Stricter movement control of people, animals and animal origin foods/products coming from countries with ASF;
- Test and disposal of all meat products found by border inspections;
- Disinfection of vehicles upon entry from Romania;
- Disposal of leftovers from air and maritime vehicles traveling from ASF affected countries;
- Development of individual contingency plans for all industrial farms, reorganization of schedule of slaughter;
- Regular meetings with stakeholders (Executive Agency for Forestry (EAF), hunting organizations and associations, pig industry) on regional and central level;
- Additional training on biosecurity for industrial farms;
- Incentives to decrease the number of backyard holdings in the zones (20-km radius) around industrial farms;





# Control measures - 3



*Plan for eradication of ASF in wild boar in Bulgaria in line with Council Dir. 2002/60/EC:*

- *Set of measures related to both WB and domestic pig population*
- *Responsibilities of all stakeholders*
- Coordination of activities
- Particular measures related to hunting activities in restricted areas:

Infected zones			Buffer zones
Within 2 months	2 – 4 months following case confirmation	4 months following case confirmation	<ul style="list-style-type: none"> <li>• Enhanced individual and group hunt, ban of driven hunt</li> <li>• Ban of feeding, except of feed unattractive for WB</li> <li>• Searching for WB carcasses</li> <li>• Sampling of all WB shot and storage of the carcasses in dedicated premises of the hunting ground until receiving negative result from the PCR testing/Disposal</li> </ul>
<ul style="list-style-type: none"> <li>• Total ban of hunt and feeding of wild boar</li> <li>• Limited access to the infected area</li> <li>• Placing warning signs</li> <li>• Register of staff involved in the control activities</li> <li>• Awareness</li> <li>• Searching for WB carcasses</li> <li>• In case of fenced areas – sanitary shooting</li> <li>• WB trapping</li> <li>• Sampling and testing</li> </ul>	<ul style="list-style-type: none"> <li>• Adjusting the ASF infected zone</li> <li>• Fencing if applicable</li> <li>• Active search and trapping of WB</li> <li>• Shooting of WB by trained hunters (individual hunt only)</li> <li>• Ban of feeding</li> <li>• Sampling and testing of all hunted/dead WB</li> </ul>	<ul style="list-style-type: none"> <li>• Permission for individual hunt by trained hunters</li> <li>• Ban of feeding, except of feed unattractive for WB</li> <li>• Searching for WB carcasses</li> <li>• Sampling of all WB shot and storage of the carcasses in dedicated premises of the hunting ground until receiving negative result from the PCR testing/Disposal</li> </ul>	



# Thank you!

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