



State  
Veterinary  
Administration

# African swine fever

## in wild boars

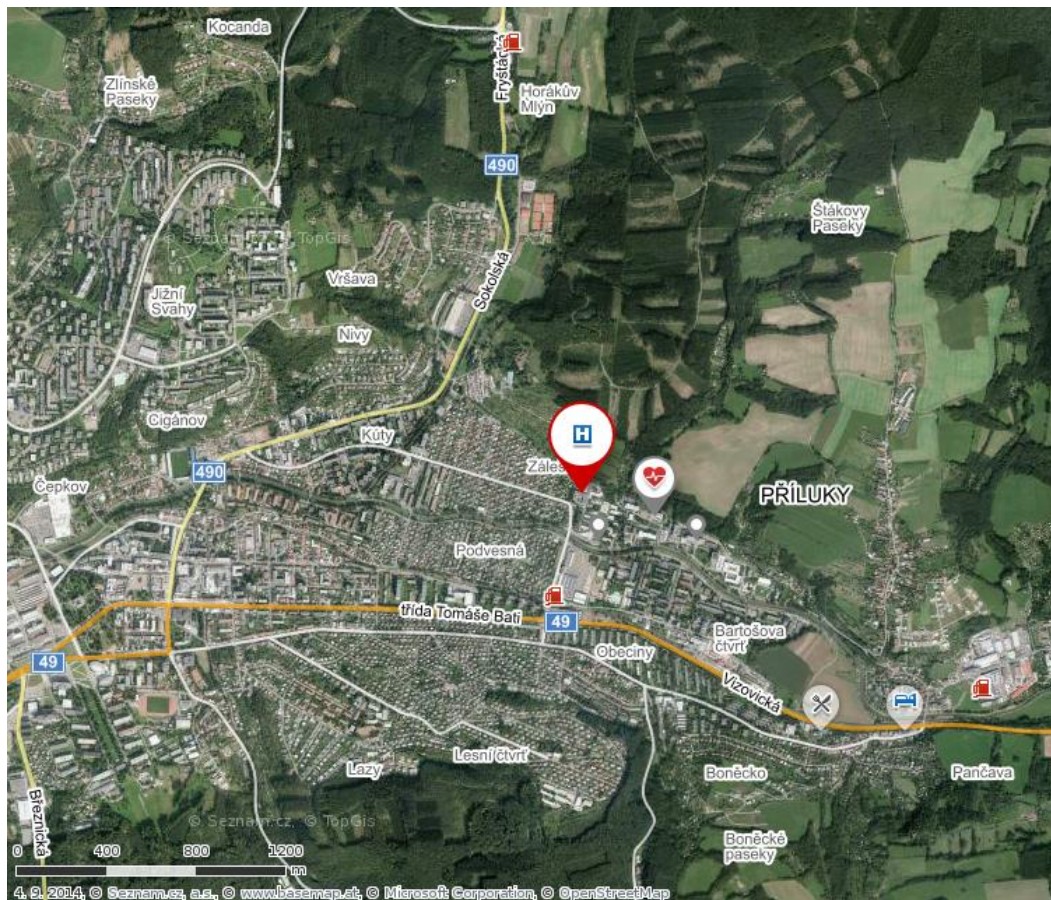
## Czech Republic

Petr Šatrán, SCoPAFF section Animal Health and Welfare,  
Brussels 19. 9. 2017

# First occurrence of ASF virus in wild board in the Czech Republic

Date of finding: 21.6.2017, confirmation: 26.6.2017 (NRL SVI Jihlava)

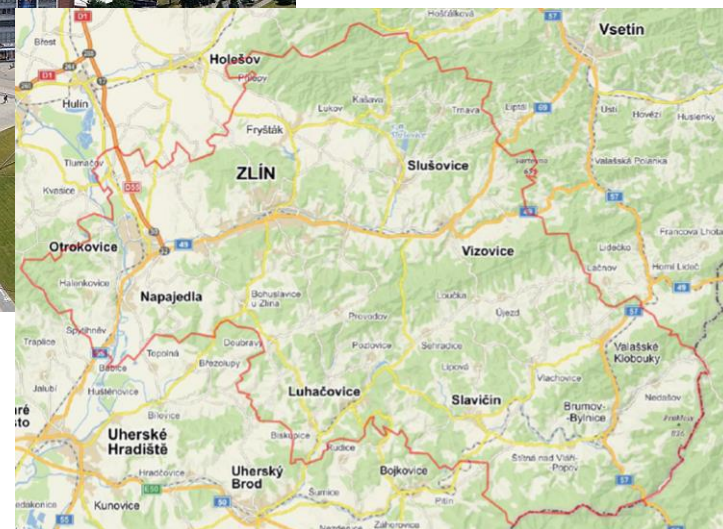
Location of finding: Příluky u Zlína, GPS 49°13'44.303"N, 17°42'1.996"E



## Demarcation of the infected area



In accordance with the Council Directive 2002/60/EC the whole District Zlín has been declared as an infected area (1 034 km<sup>2</sup>), 37 municipalities, 89 hunting grounds



## Current situation (15. 9. 2017)

In total **101** cases of African swine fever in wild boar population

**No outbreak in population of domestic pigs**

All cases confirmed in the NRL in the SVI Jihlava

All cases are from Region Zlín, District Zlín:

Hvozdná: 32 cases

Klečůvka: 11 cases

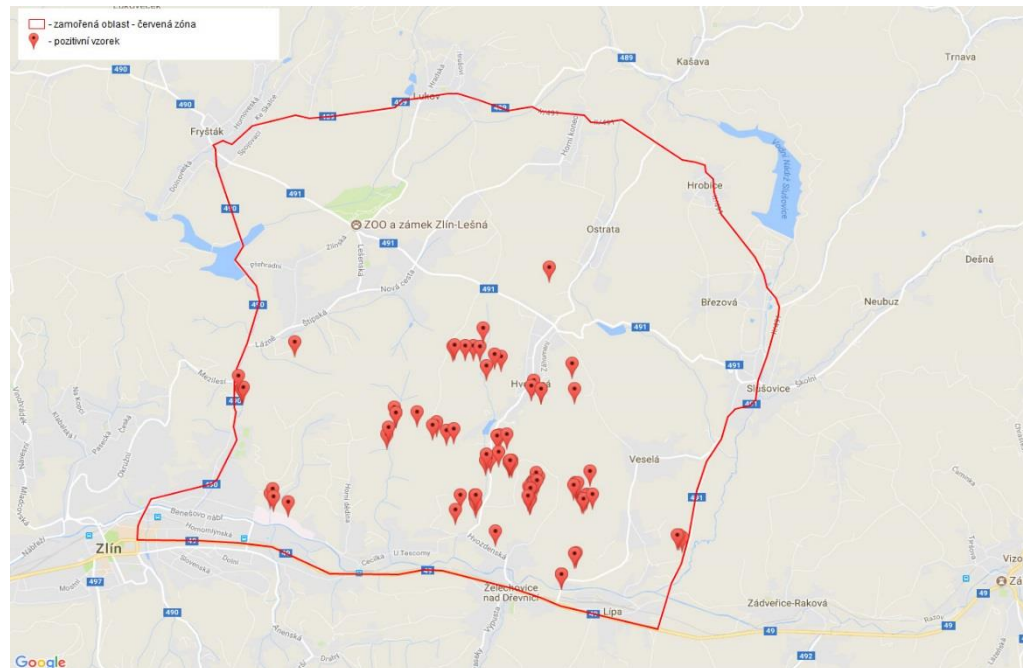
Kostelec u Zlína: 7 cases

Lužkovice: 40 cases

Ostrata: 1 case

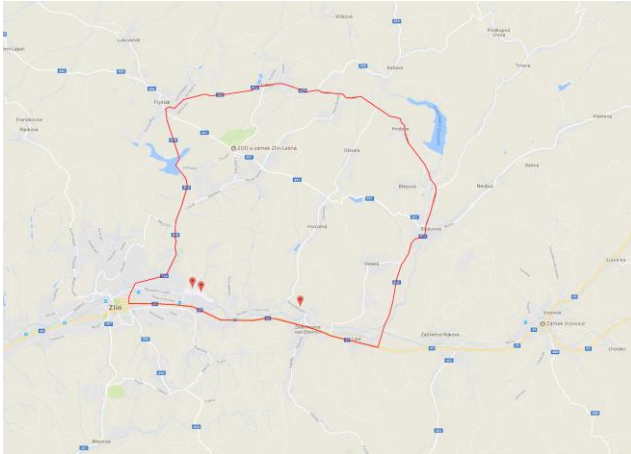
Příluky: 8 cases

Želechovice: 2 cases



# Distribution of positive findings in months

June 2017



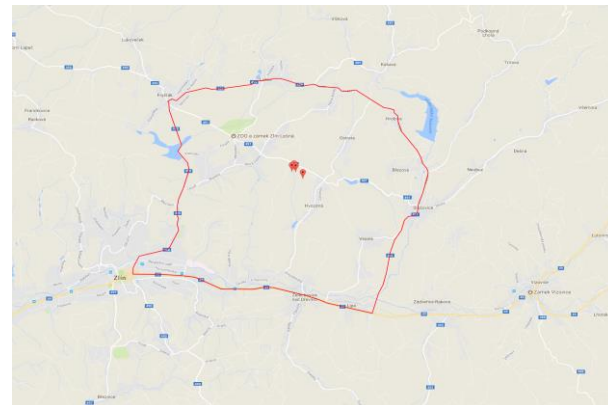
July 2017



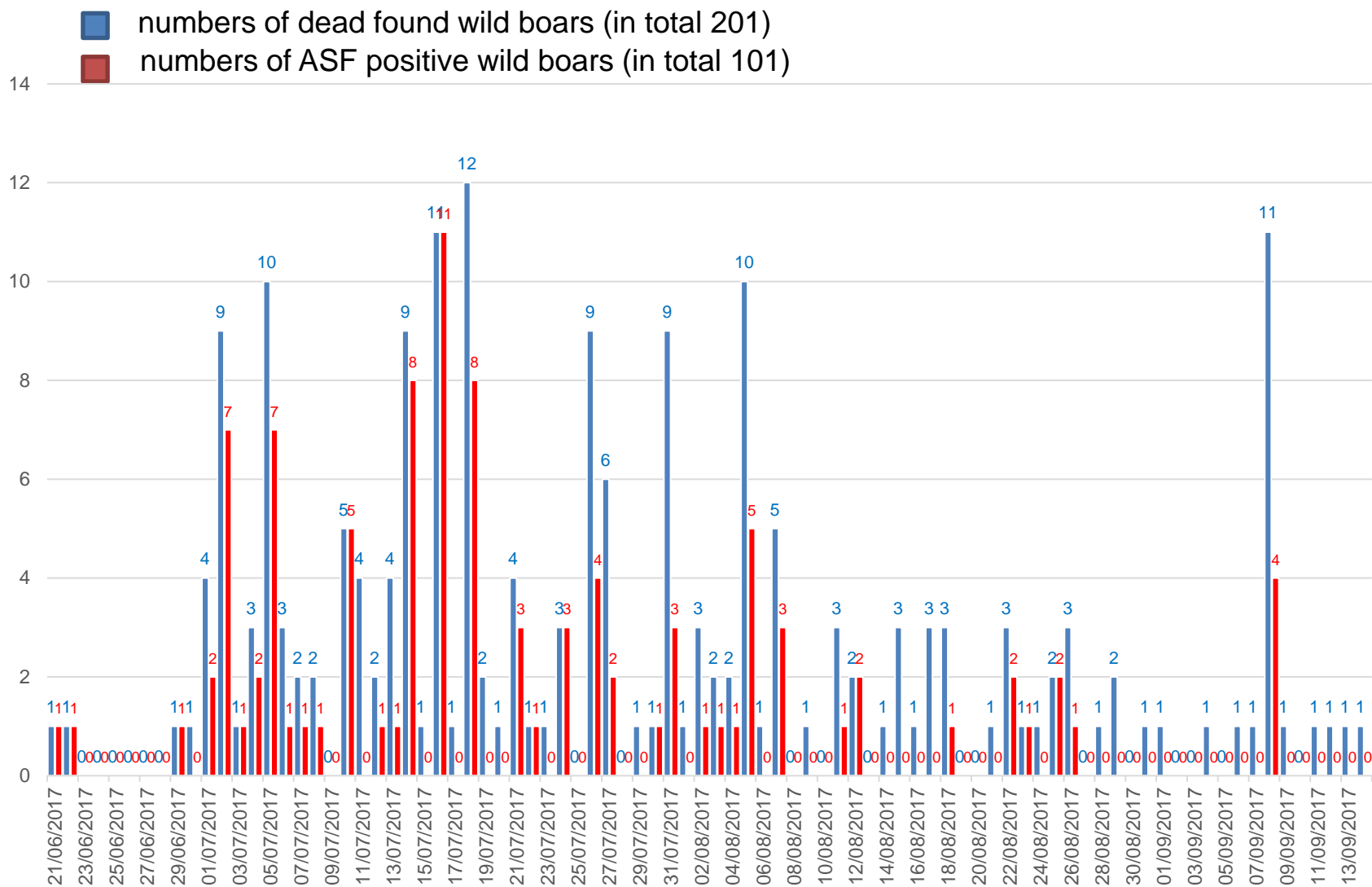
August 2017



September 2017 (18. 9. 2017)

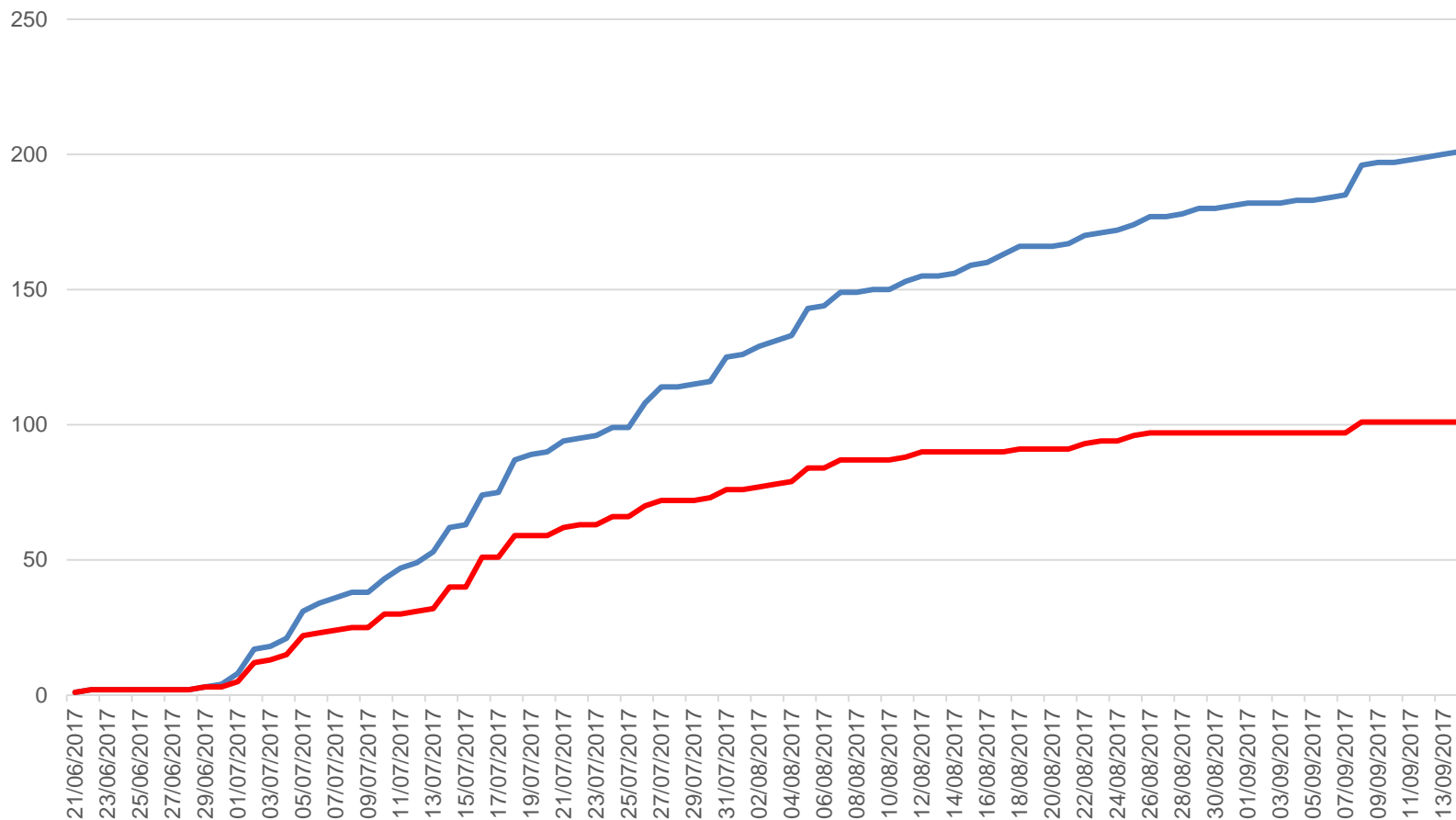


# Findings of dead found wild boars – daily incidence



# Findings of dead wild boars – cumulative incidence

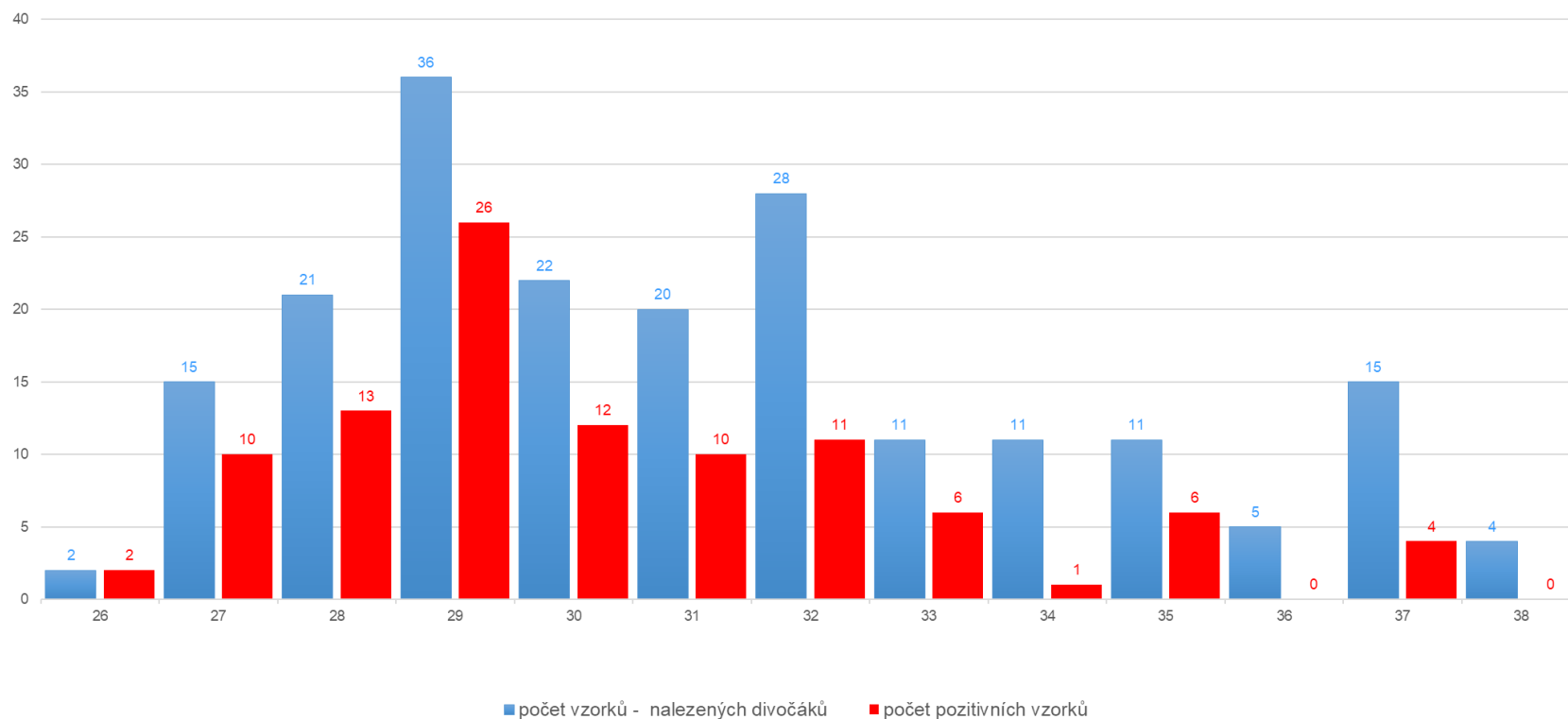
- numbers of dead found wild boars (in total 201)
- numbers of ASF positive wild boars (in total 101)



# Findings of dead wild boars - weekly incidence

- numbers of dead found wild boars (in total 201)
- numbers of ASF positive wild boars (in total 101)

Týdenní přehled počtu nálezů a pozitivních výsledků AMP

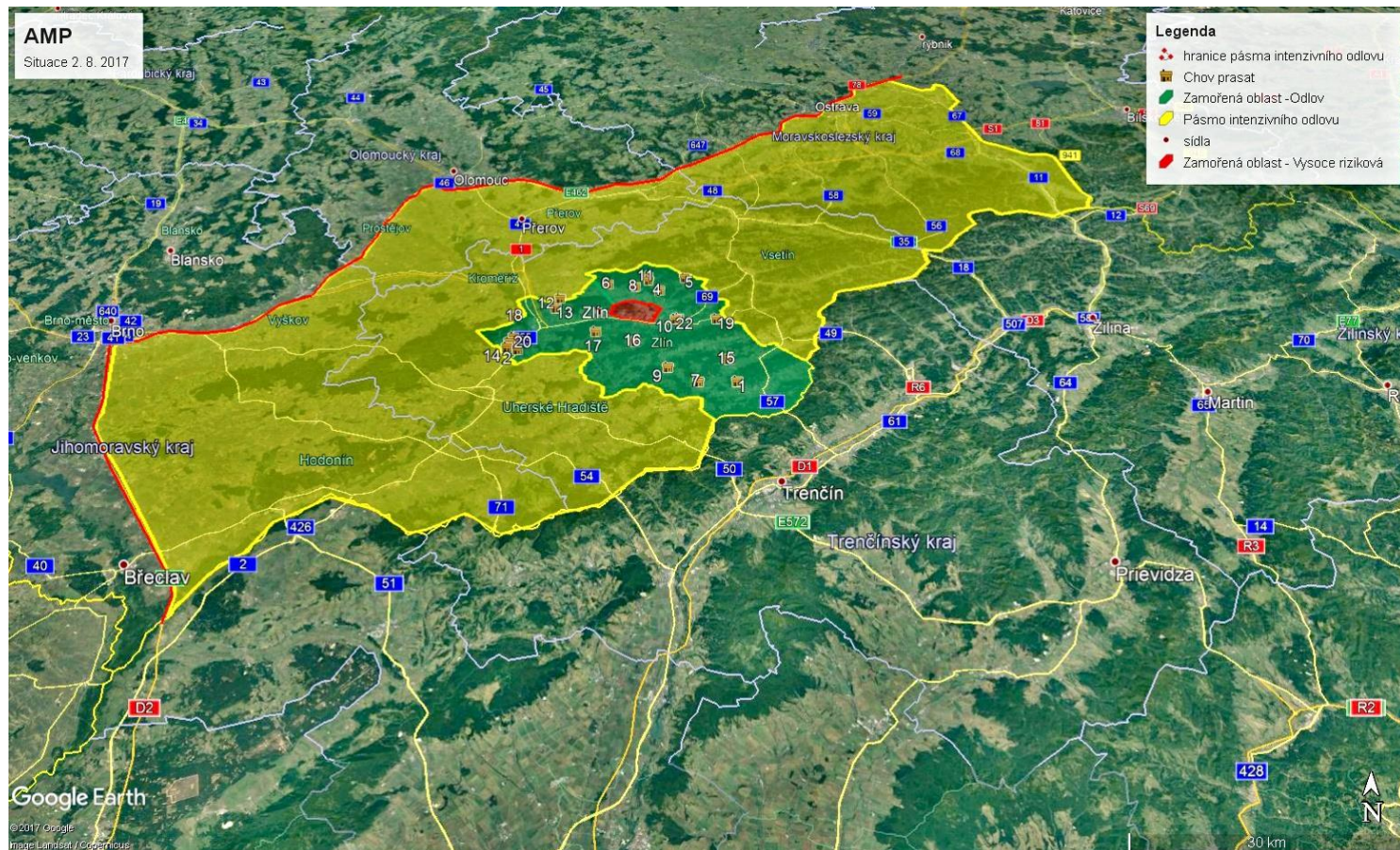




## Veterinary measures have been taken in accordance with the Council Directive 2002/60/EC:

- Infected area has been defined (on 27.6.2017)
- Veterinary measures have been established, including **ban of hunting and a ban on feeding** wild boars (on 27.6.2017)
- Investigation of the epidemiological situation is carried out in the whole defined infected area (start on 27.6.2017), including an inspection of the surrounding site of the place of finding of the wild boars positively tested on ASF
- The official list of all categories of domestic pigs in all holdings was ordered (on 27.6.2017)
- Expert group (NDCC) has been established (on 28.6.2017); the first meeting with the participation of **the EU expert Vittorio Guberti** (from CVET) (on 30. 6. 2017)
- Veterinary measures have been taken in pig holdings in the defined **infected area** in accordance with Article 15 (2) (b)
- The area with **intensive hunting** has been determined around the infected area (on 13. 7. 2017)
- The **high-risk zone** for ASF has been defined in the infected area (on 18. 7. 2017)
- The **low-risk zone** for ASF has been defined in the infected area (on 21. 7. 2017)

# Map of the Czech Republic with the infected area (red) and the area with intensive hunting (yellow)



## Measures taken

1. Measures in the infected area in domestic pigs
2. Measures in the infected area in wild boars
  - in the high-risk zone
  - in the low-risk zone
3. Measures in the area with intensive hunting
4. Measures on the whole territory of the Czech Republic

## Measures in the infected area in domestic pigs

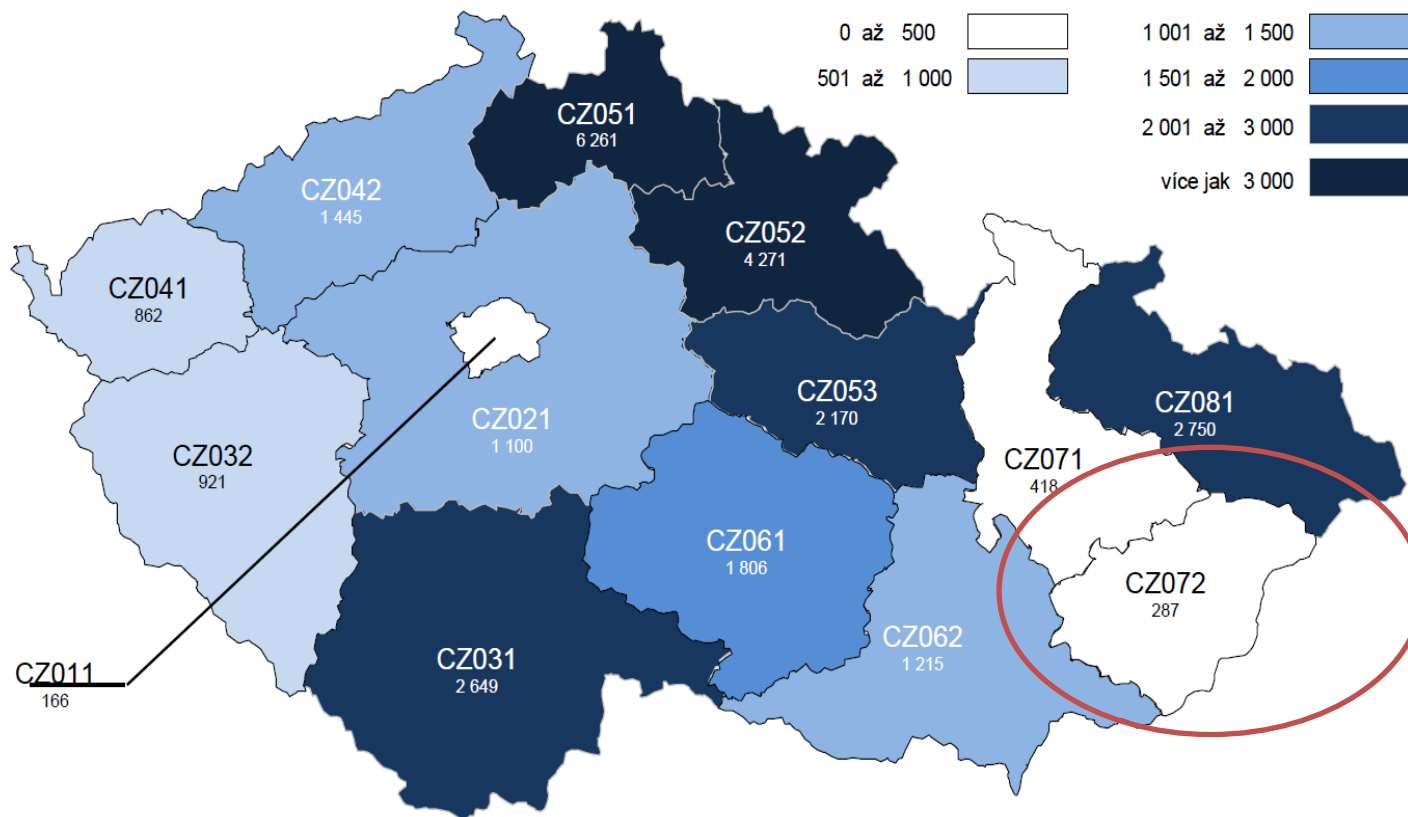
1. Official checks in domestic pig farms
2. Monitoring of all sick or dead pigs
3. A list of pig farms in the infected area including backyards farms
4. Movement control
5. Ban of feeding with fresh grass
6. Ban of straw using
7. Testing of pigs from big farms (5 farms, 150 blood samples) with negative result  
(total number of pigs farm: 23, total pigs: 16 301)
8. Measures of biosecurity in backyard farm (pigs for home slaughter)

## Density of domestic pigs in the Czech Republic (per 100 km<sup>2</sup>)

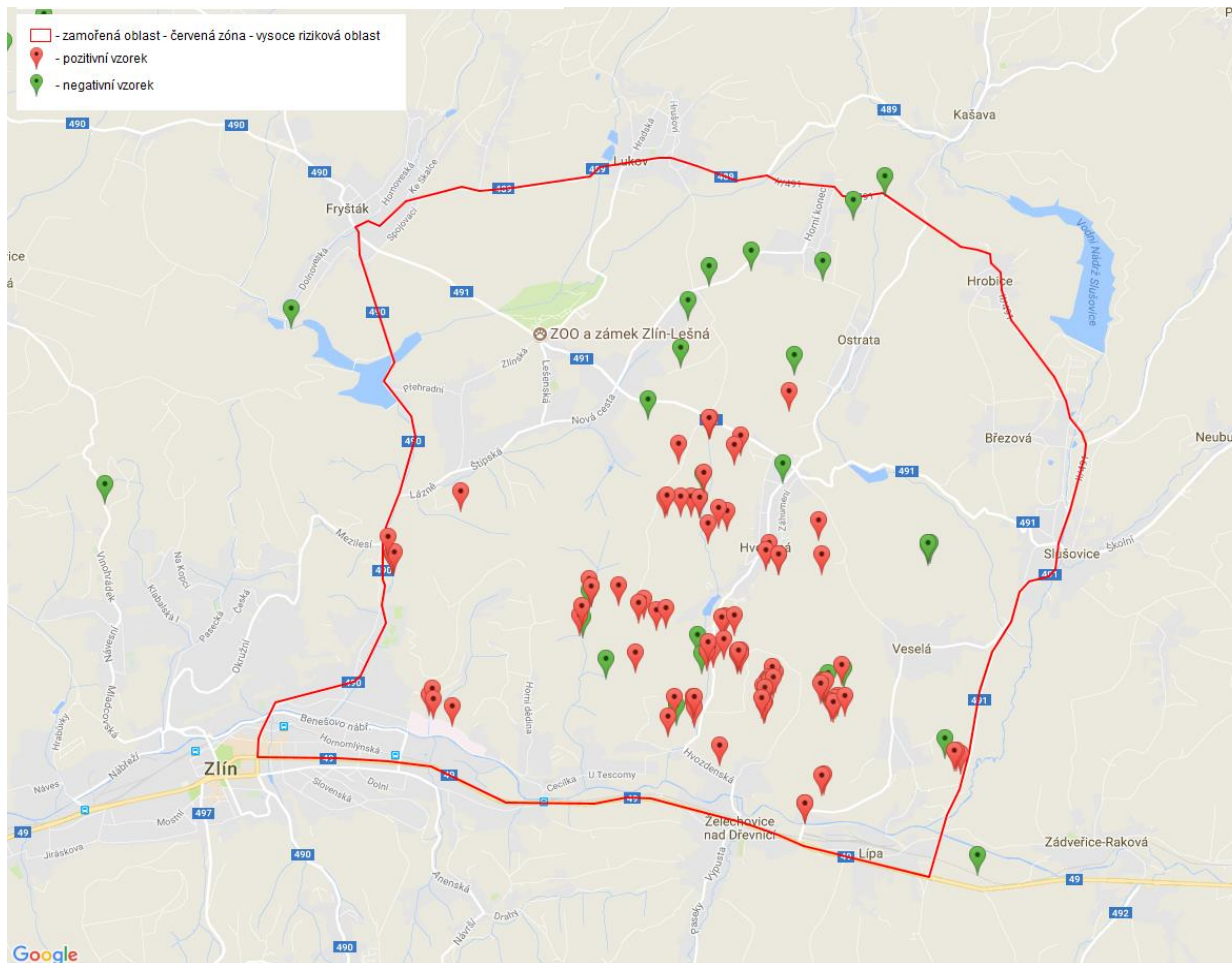
CZ 2 160 farms, 1 353 935 pigs

Region of Zlín 83 farms, 74 088 pigs

Infected area (District Zlín) 23 farms, 16 301 pigs



# Map of the high-risk zone with locations of positive and negative tested dead found wild boars to 15. 9. 2017

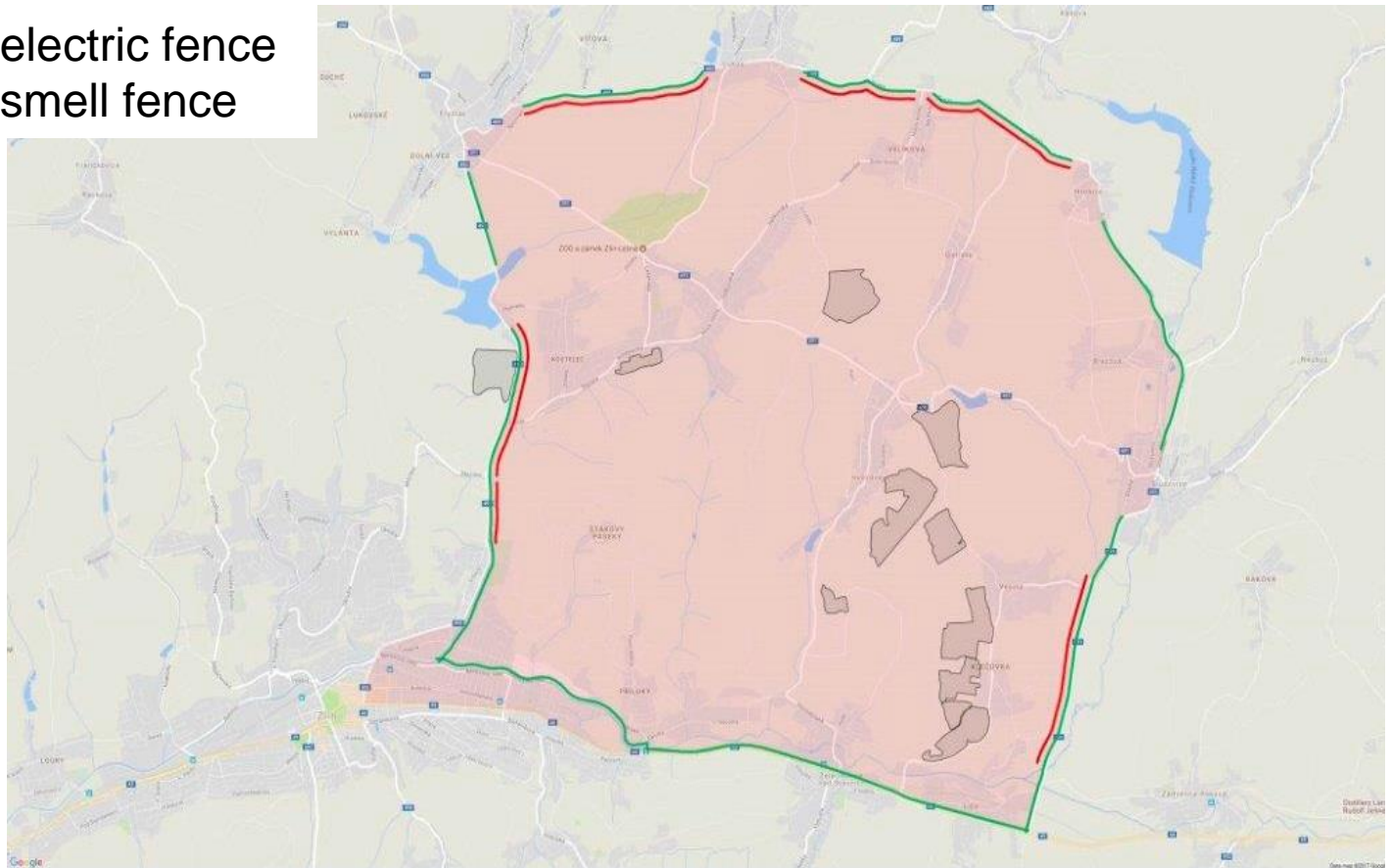


## Measures in the infected area in the high-risk zone in wild boars

1. Passive surveillance in dead wild boars
2. **Payment is 4000 CZK (153 EUR)** for one dead found wild boar
3. Inspection by official veterinarian of every dead wild boar
4. Ban of hunting
5. Ban of feeding
6. **Smell and electric fences** around the high-risk zone
7. **Sampling of all dead found wild boars** and testing in the NRL
8. Disposal of all dead found wild boars under official supervision in accordance with Regulation (EC) No 1069/2009
9. Epidemiological investigation in case of all dead wild boars
10. **The ban on entering to the high-risk zone**

# Map of the high-risk zone with the location of the smell fences and electric fences

— electric fence  
— smell fence





## Smell fence installed around the high-risk zone



Luděk Ovesný, MAFRA



# Electric fence installed around the high-risk zone



CT 24

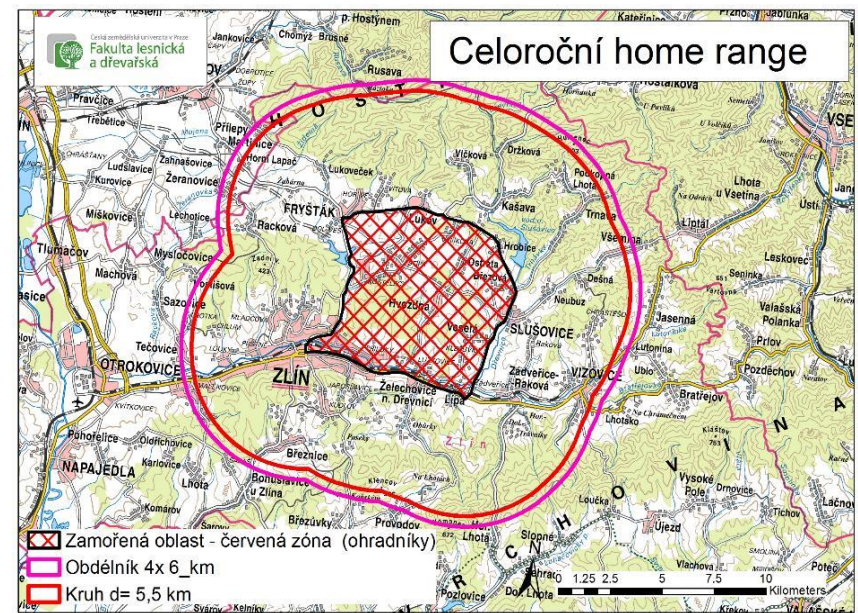
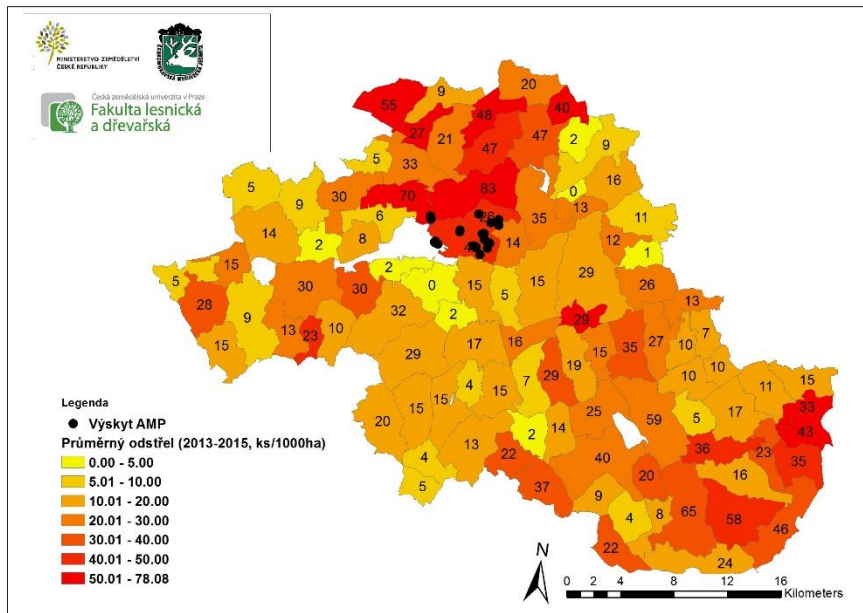


<http://www.africkymorprasad.cz>

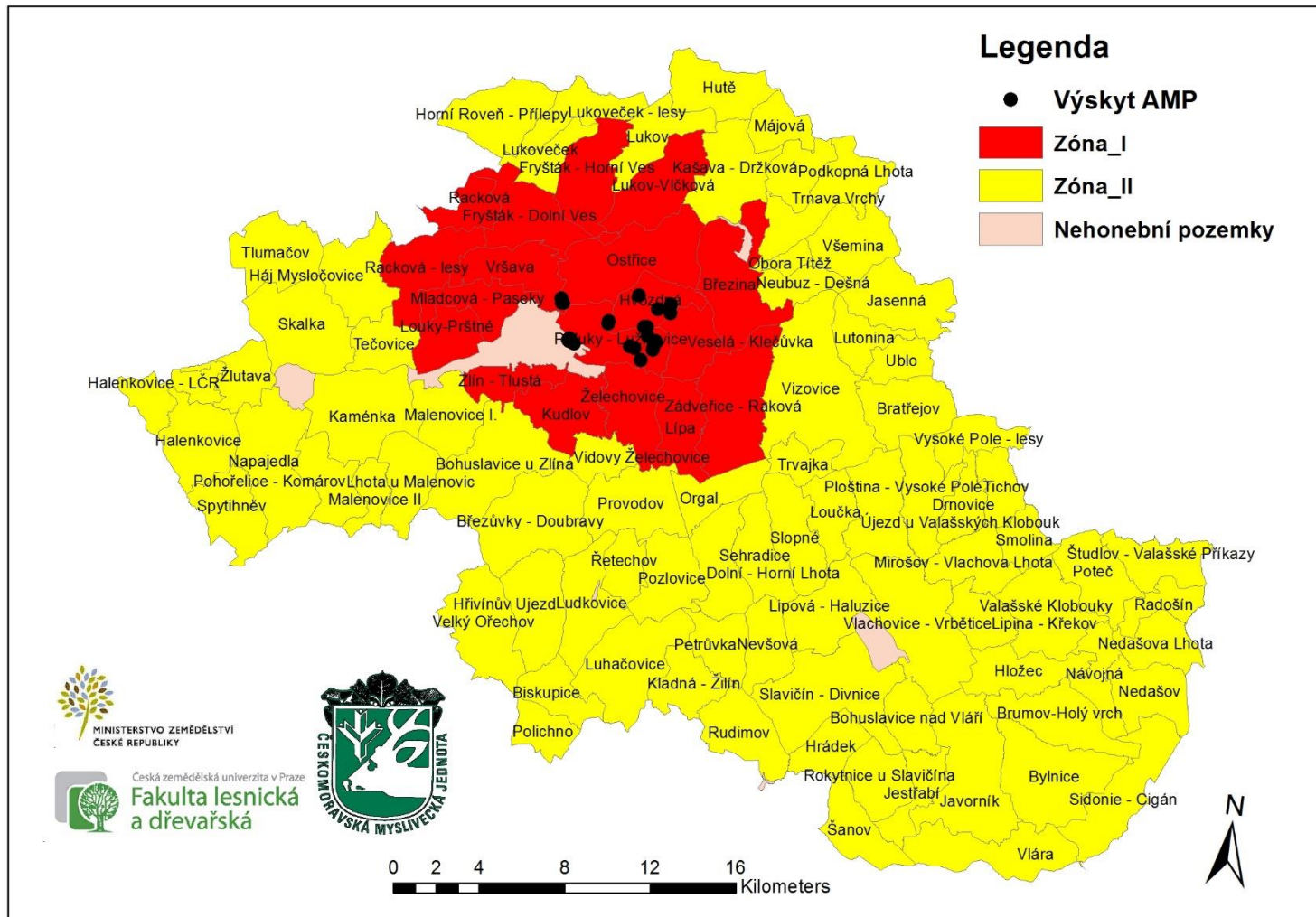
# Setting up high and low risk zone in the framework of infected zone in relation to wild boar hunting

## Hunting

## Home range – 100% one year



# High and low risk zone for hunting rules



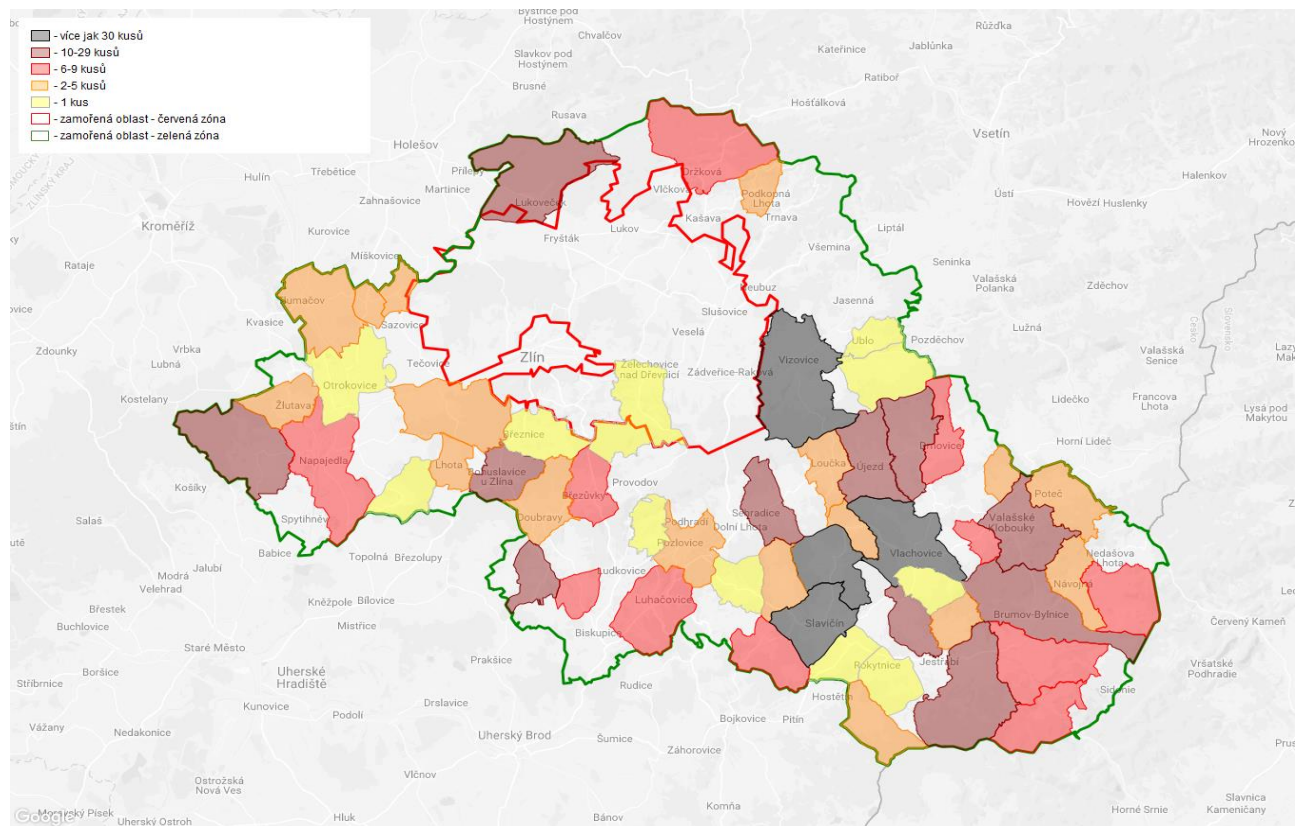
## Measures in the infected area in the low-risk zone in wild boars

1. **Passive surveillance** in dead wild boars
2. **Payment 3000 CZK (115 EUR)** for one dead found wild boar
3. Inspection by official veterinarian of every dead wild boars
4. **Hunting** of wild boars has been allowed in this zone **since 2nd August 2017**
5. Hunting can be carried out only by authorised and trained hunters
6. The training courses for hunters are organized by the Regional Veterinary Administration (total number of trained hunters: 1 015 to date)
7. **Hunters receive a payment of 3000 CZK (115 EUR) for a hunted wild boar**
8. All dead found and hunted wild boars are tested for ASF in the NRL, all of them have been with negative result (494 wild boars as of 15. 9. 2017)
9. **Disposal of all dead found and hunted wild boars**

# Hunted wild boars in the low-risk zone within the period 2nd August – 15th September

The total number **494**

All hunted wild boars are tested for ASF (virologically and serologically) in the NRL. All of them have been negative.





# Trapping of wild boar

Trapping (plan to use 31 in high risk zone)



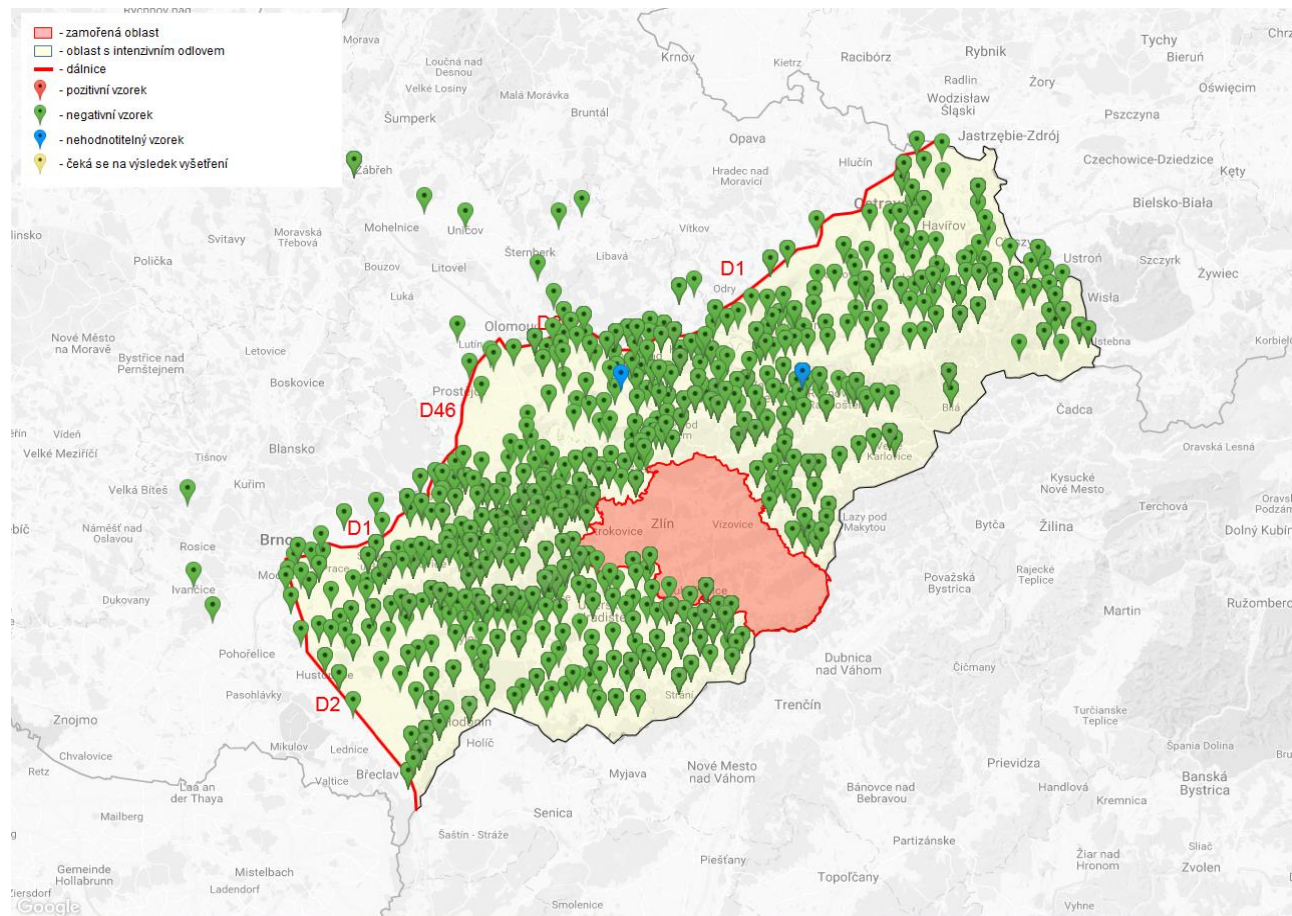


## Measures in the area with intensive hunting

1. The hunting of wild boars is supported by payment for each hunted wild boars in this area
2. Hunters receive a payment of 1000 CZK (40 €) for a hunted wild boar
3. In the area with intensive hunting till now in total 3 607 wild boars were hunted
4. All hunted wild boars in this area are tested for ASF
5. No sample has been positive yet

# Results of testing of hunted wild boars in area with intensive hunting to 15. 9. 2017

The total number of wild boars hunted: 3 607  
All with negative result for ASF



## Overview of results of virology testing of samples taken from hunted wild boars in the area with an intensive hunting (15 September 2017)

Region	District	No of tested hunted wild boars	No of positive result	Testing is not possible
Region Pardubice	Ústí nad Orlicí	1	0	
South Moravian Region	Brno-město	4	0	
South Moravian Region	Brno-venkov	24	0	
South Moravian Region	Břeclav	128	0	
South Moravian Region	Hodonín	463	0	
South Moravian Region	Vyškov	237	0	
South Moravian Region	Znojmo	2	0	
Region Olomouc	Olomouc	44	0	
Region Olomouc	Prostějov	7	0	
Region Olomouc	Přerov	223	0	1
Region Olomouc	Šumperk	5	0	
Region Olomouc	Kroměříž	776	0	
Region Zlín	Uherské Hradiště	748	0	
Region Zlín	Vsetín	510	0	1
Moravian-Silesian Region	Frýdek-Místek	291	0	
Moravian-Silesian Region	Karviná	19	0	
Moravian-Silesian Region	Nový Jičín	92	0	
Moravian-Silesian Region	Ostrava-město	33	0	
<b>In total</b>		<b>3607</b>	<b>0</b>	<b>2</b>

## Measures on the whole territory of the Czech Republic

1. **Information** for public, pig farmers, hunters, veterinarians etc.
  - Official letters
  - Daily SVA web site updates
  - Biosecurity guide for farmers
  - List of disinfectants
  - Guide for dead WB finding
2. Established an expert group (NDCC) including veterinarians, hunters, wild life biologists and epidemiologists with expert from the CVET participation
  - Clarifying of the situation
  - Request for data for the preparation of the eradication plan
  - Studying the epidemiological situation and implementation of the measures
3. Ban of feeding of domestic pigs with kitchen and catering waste was emphasized
4. **A surveillance programme and preventive measures have been applied at holdings with domestic pigs.** Sick or dead pigs, for which ASF cannot be excluded on clinical grounds, have been tested for ASF in accordance with the provisions set up in the Diagnostic Manual
5. **The passive surveillance of dead found wild boars continues**

## CZ Results of the monitoring of dead wild boars from 1 January to 15 September 2017

Region	Number of tested animals	Number of positive animals
Prague, the Capital	3	0
Central Bohemian Region	57	0
South Bohemian Region	56	0
Region Pilsen	70	0
Region Karlovy Vary	43	0
Region Ústí nad Labem	102	0
Region Liberec	29	0
Region Hradec Králové	15	0
Region Pardubice	39	0
Region Vysočina	60	0
South Moravian Region	107	0
Region Olomouc	45	0
Region Zlín	<b>201</b>	<b>101</b>
Moravian-Silesian Region	28	0
In total	855	101

# Summary

- Isolated occurrence on a very small territory 56 km<sup>2</sup> over a long period
- Incidence is decreasing
- No spreading to other territory
- Intensive hunting and surveillance in neighbouring regions, including serological testing is ongoing
- No positive serological test yet
- No case in domestic pigs

Probably source of infection:  
contaminated food bring by the Ukraine workers in  
laundry in Hospital.



In Russia bacon is called “SALO” and people eat it raw, less meat and more fat is better. The raw bacon is keep in the fridge. It is usually raw with spicy or smoked.



**Thank you  
for your attention.**

