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Termőföldtől az asztalig

# CSF SURVEILLANCE PROGRAMME HUNGARY 2013

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# CSF cases in wild boar in Nógrád county and specified part of Pest county



- In Nógrád county the first case was confirmed on 22 January 2007 by NRL
- In the specified part of Pest county the first case was confirmed on 10 December 2007
- In Nógrád county: last case on 23 February 2009
- **Last case was confirmed on 30 October 2009** in Pest county
- In total, **268** cases were found in wild boars:
  - **120** cases in Nógrád county
  - **148** cases in the specified part of Pest county.
- **In domestic pigs there were no cases.**



# The changes of CSF infected area in Hungary

## Introduction of measures



- **25 January 2007** – According to the proposal of the National CSF Expert Group whole **Nógrád county** became CSF infected area
- **5 November 2007** - National CSF Expert Group proposed the extension of CSF infected area to **specified part of Pest county** (bordered by river Danube, Highway E71, Slovakian border and Nógrád county)
- **25 June 2008** - National CSF Expert Group proposed the extension of CSF infected area to specified part of **Borsod-Abaúj-Zemplén county and Heves county** (no CSF cases were found in these areas)



# The changes of CSF infected area in Hungary

## Lifting the measures



- **22 June 2011** - The measures regarding the CSF infected area were lifted in **Borsod-Abaúj-Zemplén county and Heves county** in accordance with Commission Implementing Decision 2011/360/EU
- **5 November 2012** – The measures regarding the CSF infected area were lifted in **Nógrád county** in accordance with Commission Implementing Decision 2012/666/EU
- **14 June 2013** - The measures regarding the CSF infected area were lifted in **Pest county** in accordance with Commission Implementing Decision **2013/274/EU**
- Hungary regained free status from CSF



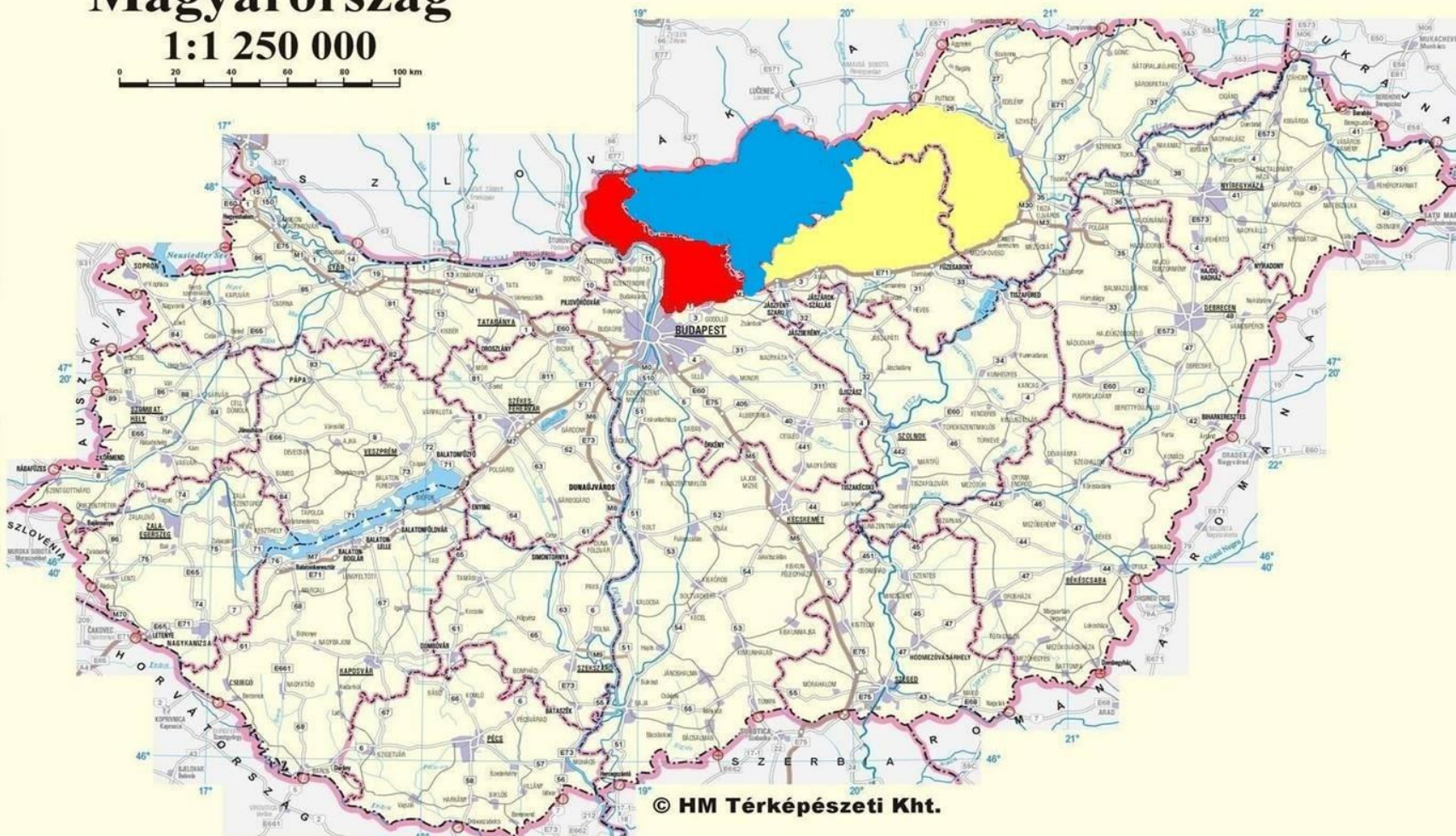
# Map of the former CSF infected areas in Hungary



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## Magyarország

1:1 250 000



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# CSF surveillance programme in Hungary



- The surveillance programme **in wild boars refers to hunting year** since 2005, because the hunting data also refer for hunting year.
- However our final financial report for 2013 covers only the tests carried out in the **calendar year of 2013**.



# Rules of CSF surveillance in wild boars 1.



## General rules for all areas

- Sampling mainly from shot wild boars, but wild boars found dead or showing abnormal behaviour were also tested
- **Hunting units are responsible** for sampling
- Samples: clotted blood and tonsil from shot wild boars, whole carcass or organs from dead ones
- **NRL:** Serology (Ab-ELISA) in every case and virology (PCR) according to the epidemiological situation
- In case of a seropositive result with antibody ELISA, comparative (CSFV, BDV and BVDV) **virus neutralization test** has been carried out as well. (In case of VN *co-financing was not requested.*)



# Rules of CSF surveillance in wild boars 2.



## CSF free areas

- In **each county the minimum sample size** has been determined according to the CSF Diagnostic Manual
- Antibody ELISA is carried out from each blood sample sent to the laboratory
- **Virology (PCR)** is carried out only from **seropositive animals, samples unsuitable for serology** and from **every second wild boar shot within 3 km radius** of the place where the seropositive one was shot within a period of maximum **42 days after** the time of shooting the seropositive one.





# Rules of CSF surveillance in wild boars 3.



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## CSF infected area

- All shot wild boars had to be tested serologically (antibody ELISA) and virologically (PCR).
- Measures to reduce the wild boar population, mainly in case of wild boars under 1 year.
- The **dispatch of the meat of wild boars** may be authorised - according to Article 8b, paragraph (2) of Commission Decision 2008/855/EC - after **negative virology (and serology)** and **prior approval** of the competent authority of destination.
- In case of **positive** serological or virological result the **carcass shall be destroyed** as Category 1 material in rendering plant



# Rules of CSF surveillance in wild boars 4.



## Surveillance zone

- It had been established around the infected area. Originally it was an 10 km wide belt around the CSF infected area, but from March 2010 it had been extended with an about 40 km wide band counted from the highway E71 in direction south from the infected area of Pest county.
- **All shot wild boars had to be tested serologically (antibody ELISA) and virologically (PCR).**



# Areas of Hungary regarding CSF during 2013



## CSF infected area

- Specified **part of Pest county** – **until 14 June 2013**

## Surveillance zone around the CSF infected area

- A **part of Pest county** around the infected area – **until 14 June 2013**
- **Nógrád county** – **until 28 February 2013**

## CSF free area

- Remaining areas (counties) of Hungary



# CSF surveillance in wild boars in whole territory of Hungary between 01-01-2013 and 31-12-2013

## Number of sampled and tested wild boars



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County	Number of sampled animals	Number of Ab-ELISA tests	Number of PCR tests
<b>CSF free counties</b>	<b>13525</b>	<b>13520</b>	<b>129</b>
<b>2 affected counties</b>	<b>7551</b>	<b>7519</b>	<b>6646</b>
<b>Total</b>	<b>21076</b>	<b>21039</b>	<b>6775</b>



# CSF surveillance in wild boars in the two affected counties of Hungary between 01-01-2013 and 31-12-2013



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## Number of sampled and tested wild boars

County	Number of sampled animals	Number of Ab-ELISA tests	Number of PCR tests
<b>Nógrád</b>	<b>3352</b>	<b>3342</b>	<b>2993</b>
<b>Pest</b>	<b>4199</b>	<b>4177</b>	<b>3653</b>



# CSF surveillance in Hungary

01.01.2013 – 31.12.2013

## Costs



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	Number of animals	Unit cost	Total cost
Sampling	21076	5 €	105 380 €
Ab-ELISA	21039	2.86859 €	60 352.27 €
PCR	6775	9.09399 €	61 611.78 €
Total	-	-	<b>227 344.05 €</b>



**Thank you for your attention!**



Vaddiszno (Sus scrofa)