

# Bluetongue

## Epidemiological situation in the Slovak Republic



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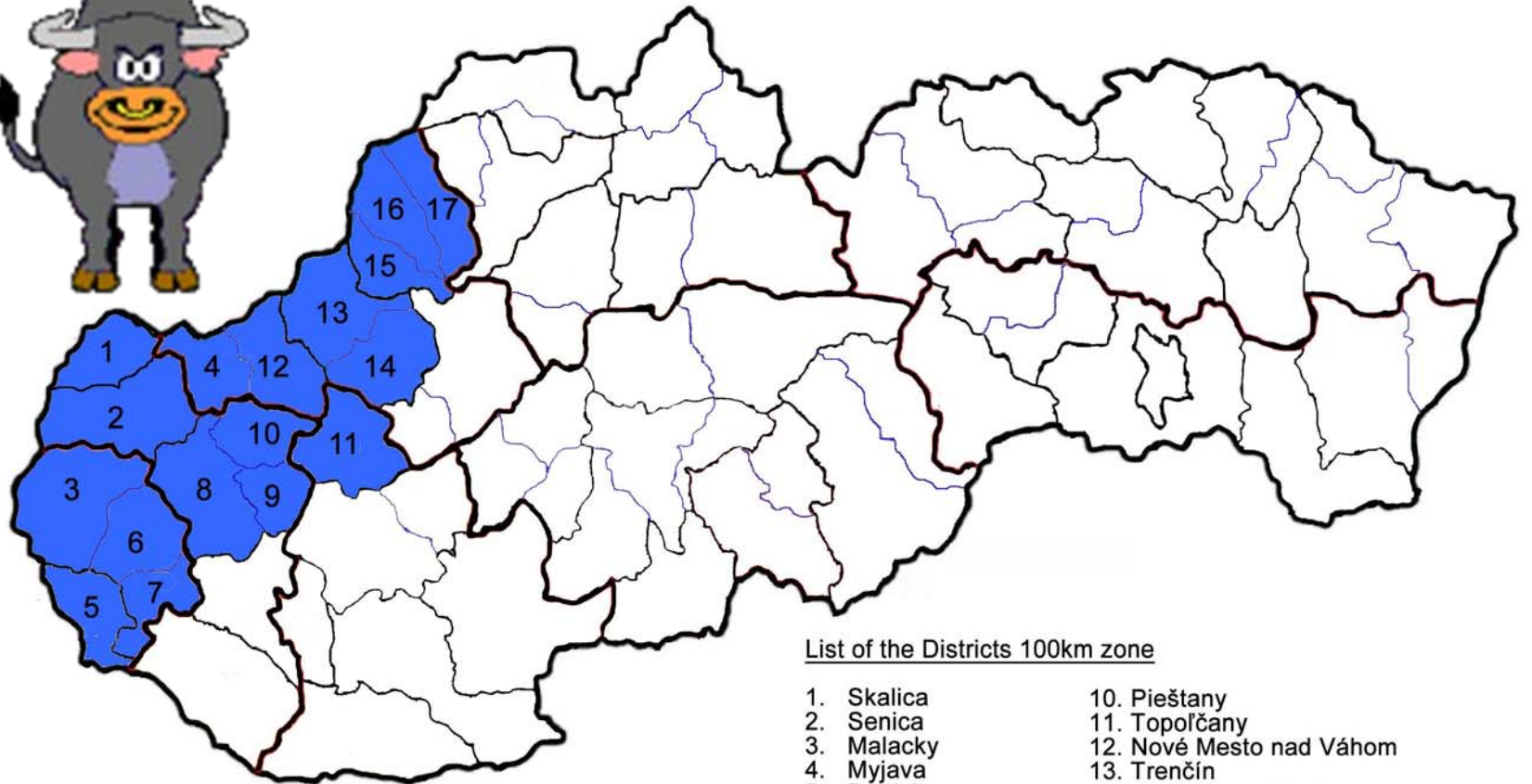
SCoFCAH, Brussels, 6.12.2011

A cartoon illustration of a brown cow with horns and a yellow collar, standing next to a large, golden hay bale. The cow is looking towards the right.


## Actual situation– SK - 6.12.2011

- Slovak Republic: country without BT outbreak and positive results of laboratory investigation confirmed in the past and at present
- Vaccination was/is not performed
- 1 restriction zone is still in place as a result of BT outbreak in Czech Republic occurred.
- Slovakia was forced to establish this restriction zone due to occurrence of the BT outbreak in the Czech Republic close to common CZ/SK border in 2009.
- In the Czech Republic outbreak and restriction zone has been cancelled in November 2011 ( letter CZ on 24.11.2011 and COM information on 30.11.2011 dated)

# Restriction zone according to Commission Regulation (EC) No 1266/2007



### Legend

 Districts in 100 km zone (Czech Rep. outbreak 2009)

### List of the Districts 100km zone

- |               |                          |
|---------------|--------------------------|
| 1. Skalica    | 10. Piešťany             |
| 2. Senica     | 11. Topoľčany            |
| 3. Malacky    | 12. Nové Mesto nad Váhom |
| 4. Myjava     | 13. Trenčín              |
| 5. Bratislava | 14. Bánovce nad Bebravou |
| 6. Pezinok    | 15. Ilava                |
| 7. Senec      | 16. Púchov               |
| 8. Trnava     | 17. Považská Bystrica    |
| 9. Hlohovec   |                          |

# BT monitoring and measures applied in the Slovak Republic – I.

( following Annex I of Comm. Regulation 1266/2007)

- serological monitoring in sentinel animals (since 1.4.2008)
  - 20 areas 45x45 km<sup>2</sup>, 5 sentinel holdings in each area (100 holdings totally), 10 sentinel animals in each holding (1000 animals totally)
  - each month all sentinel animals are serologically tested
- serological monitoring in imported animals from member states and third countries (since 19.12.2007)
  - in the framework of the non-discriminatory examination in quarantine unvaccinated animals intended for breeding older than 3 months of age imported from third countries and restricted zones of member states to the extent of detection of 10% prevalence with 95% confidence

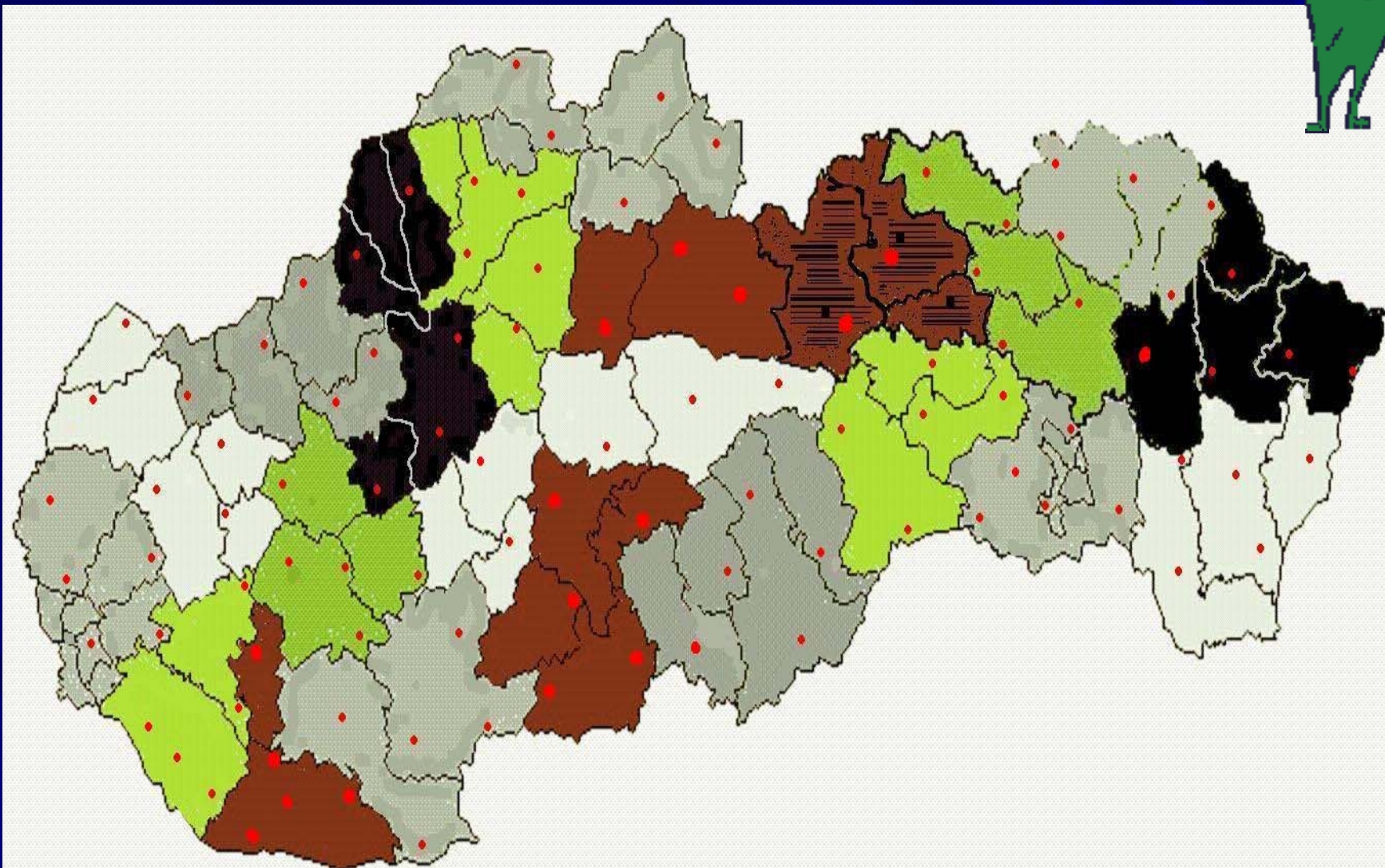


# BT monitoring and measures applied in the Slovak Republic – II.

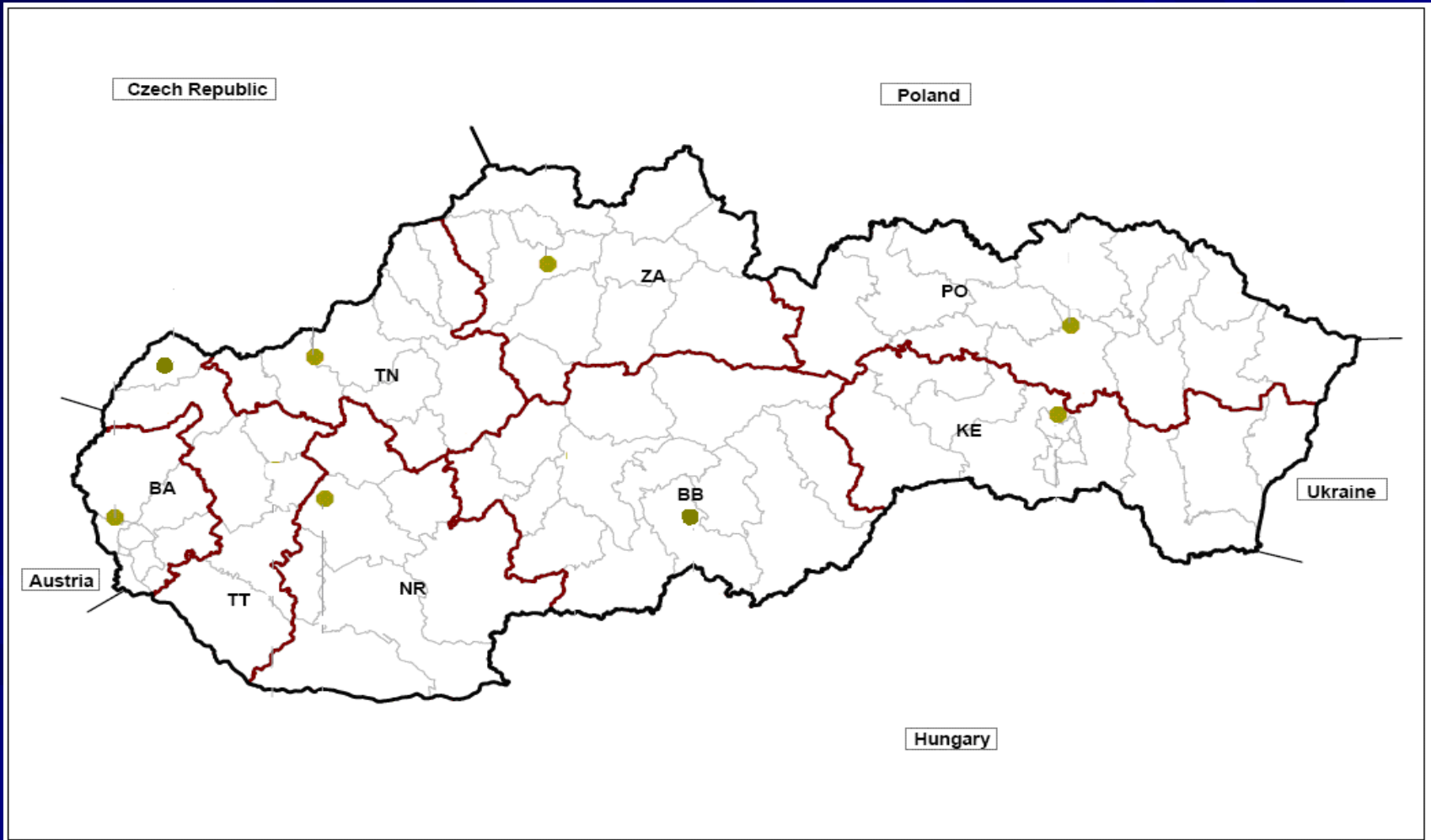
- virological and serological testing of animals moved from restriction zones according to regulation 1266/2007
- serological testing of cows in abortions (from 1.1.2009 to 31.12. 2010)
- entomological monitoring (since 1.4.2008)
  - 1 trap for vector per region
  - seasonal presence and typization of vector



# Geographical distribution of sentinel farms



# Entomological monitoring - geographical distribution of traps



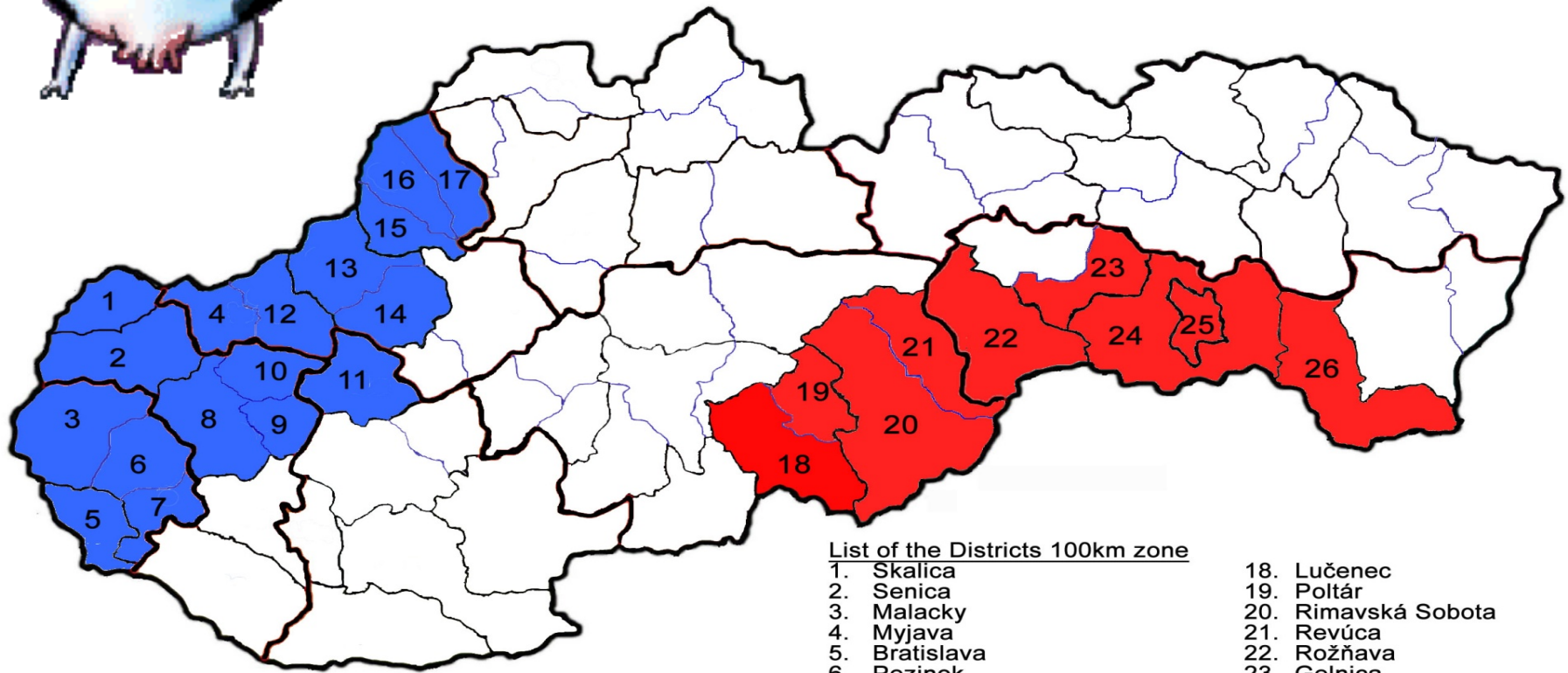
# Situation of BT in Slovakia in 2009



- 2 restriction zones were on the territory of the Slovak republic as a result of BT outbreaks in neighboring member states
  - Hungary
    - 5.9.2008 – BTV8 outbreak in Gelej
  - Czech Republic
    - 13.11.2008 – BTV8 outbreak in Ivančice
    - 25.9.2009 – BTV8 outbreak in Násedlovice



# Map of restriction zones in 2009



## Legend

- Districts in 100 km zone (Czech Rep. new outbreak 2009)
- Districts in 100 km zone (Hungary old outbreak 2008)

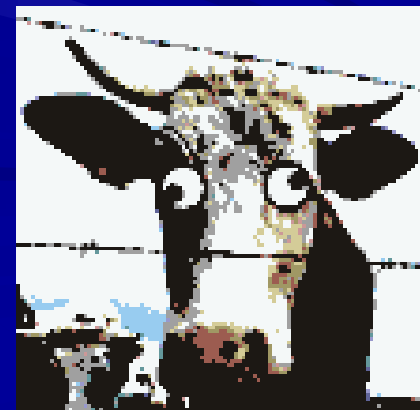
## List of the Districts 100km zone

- |                          |                     |
|--------------------------|---------------------|
| 1. Skalica               | 18. Lučenec         |
| 2. Senica                | 19. Poltár          |
| 3. Malacky               | 20. Rimavská Sobota |
| 4. Myjava                | 21. Revúca          |
| 5. Bratislava            | 22. Rožňava         |
| 6. Pezinok               | 23. Gelnica         |
| 7. Senec                 | 24. Košice - okolie |
| 8. Trnava                | 25. Košice - mesto  |
| 9. Hlohovec              | 26. Trebišov        |
| 10. Piešťany             |                     |
| 11. Topoľčany            |                     |
| 12. Nové Mesto nad Váhom |                     |
| 13. Trenčín              |                     |
| 14. Bánovce nad Bebravou |                     |
| 15. Ilava                |                     |
| 16. Púchov               |                     |
| 17. Považská Bystrica    |                     |

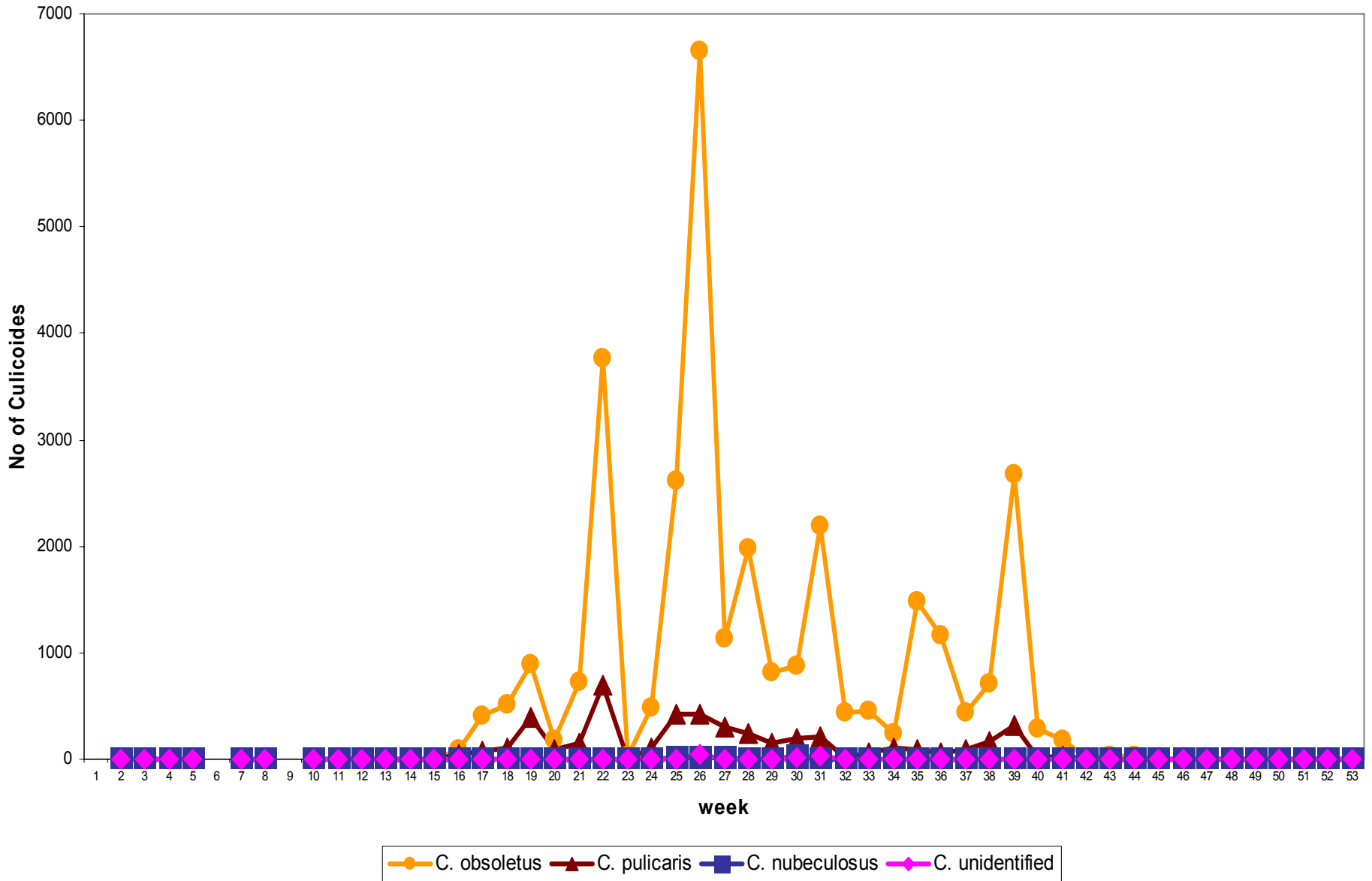
# Statistical information in 2009

Animals tested	Serological test (ELISA)		Virological test (PCR)	
	SR	RZ	SR	RZ
Sentinel animals	11 947	2158	0	0
Imports from MS	447	150	89	4
Before movement from restricted zones	14 041	4389	2852	1043
Abortions	4 700	215	0	0
<b>Total</b>	<b>31 135</b>	<b>6912</b>	<b>2 941</b>	<b>1047</b>

\* all performed test are negative

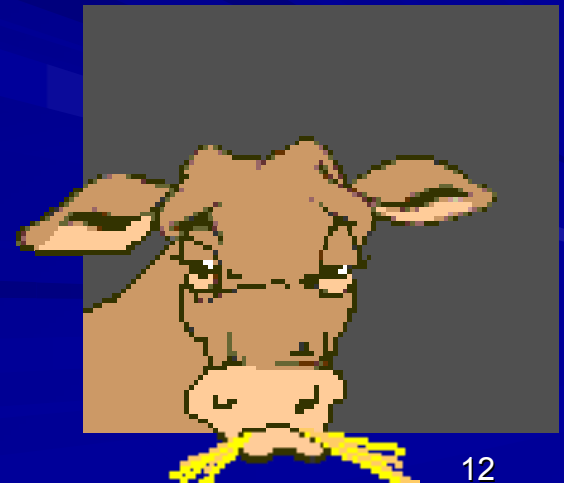


# Population dynamics of Culicoides in Slovakia during 2009

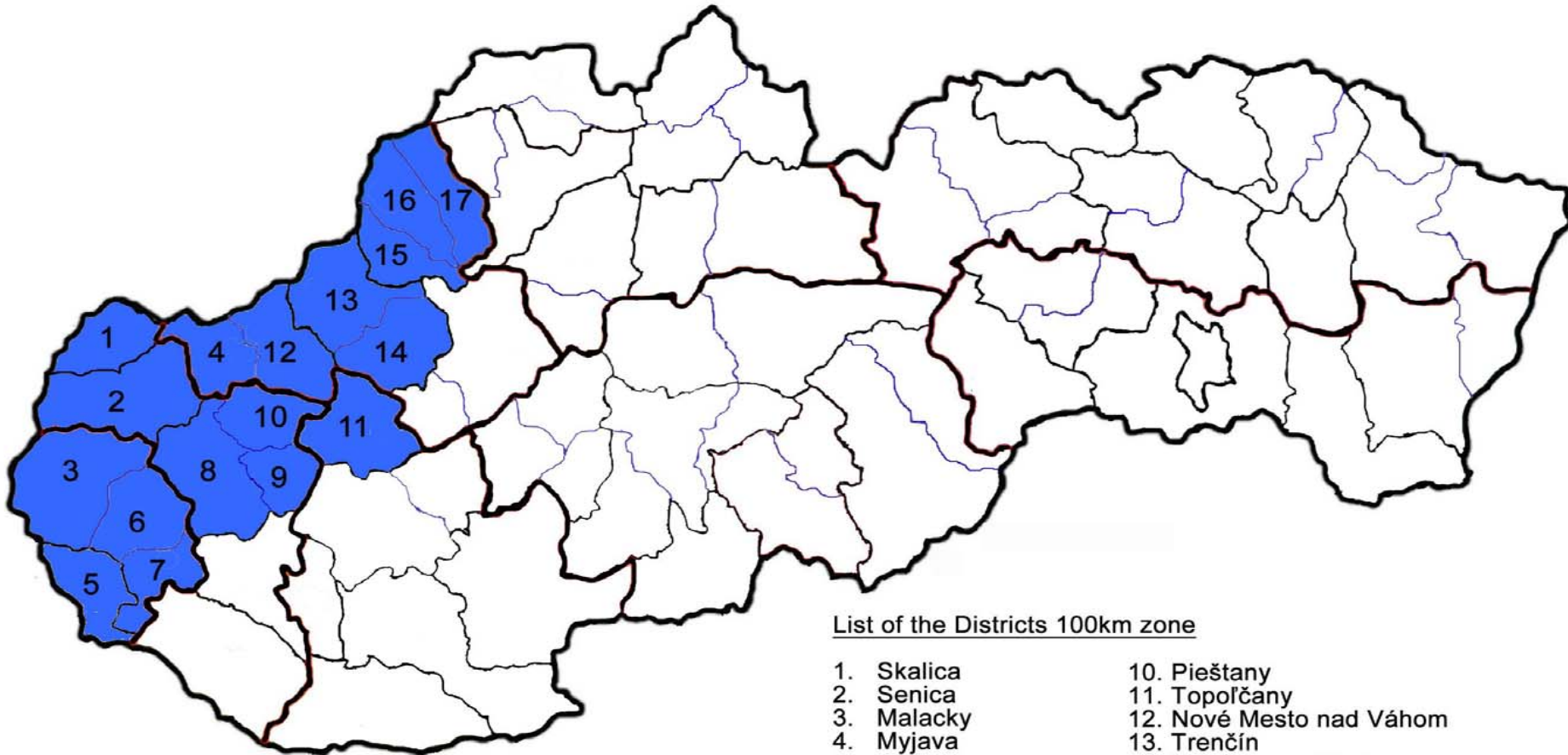


# Situation of BT in 2010


- On 13.1.2010 was cancelled restriction zone in relation to outbreak of BT in Hungary
- Since 13.1.2010: ONLY 1 restriction zone has remained on the territory of the Slovak Republic as a result of BT outbreak in the neighboring Member State (CZ)



# Map of restriction zone in 2010



## Legend

 Districts in 100 km zone (Czech Rep. outbreak 2009)

## List of the Districts 100km zone

- |               |                          |
|---------------|--------------------------|
| 1. Skalica    | 10. Piešťany             |
| 2. Senica     | 11. Topoľčany            |
| 3. Malacky    | 12. Nové Mesto nad Váhom |
| 4. Myjava     | 13. Trenčín              |
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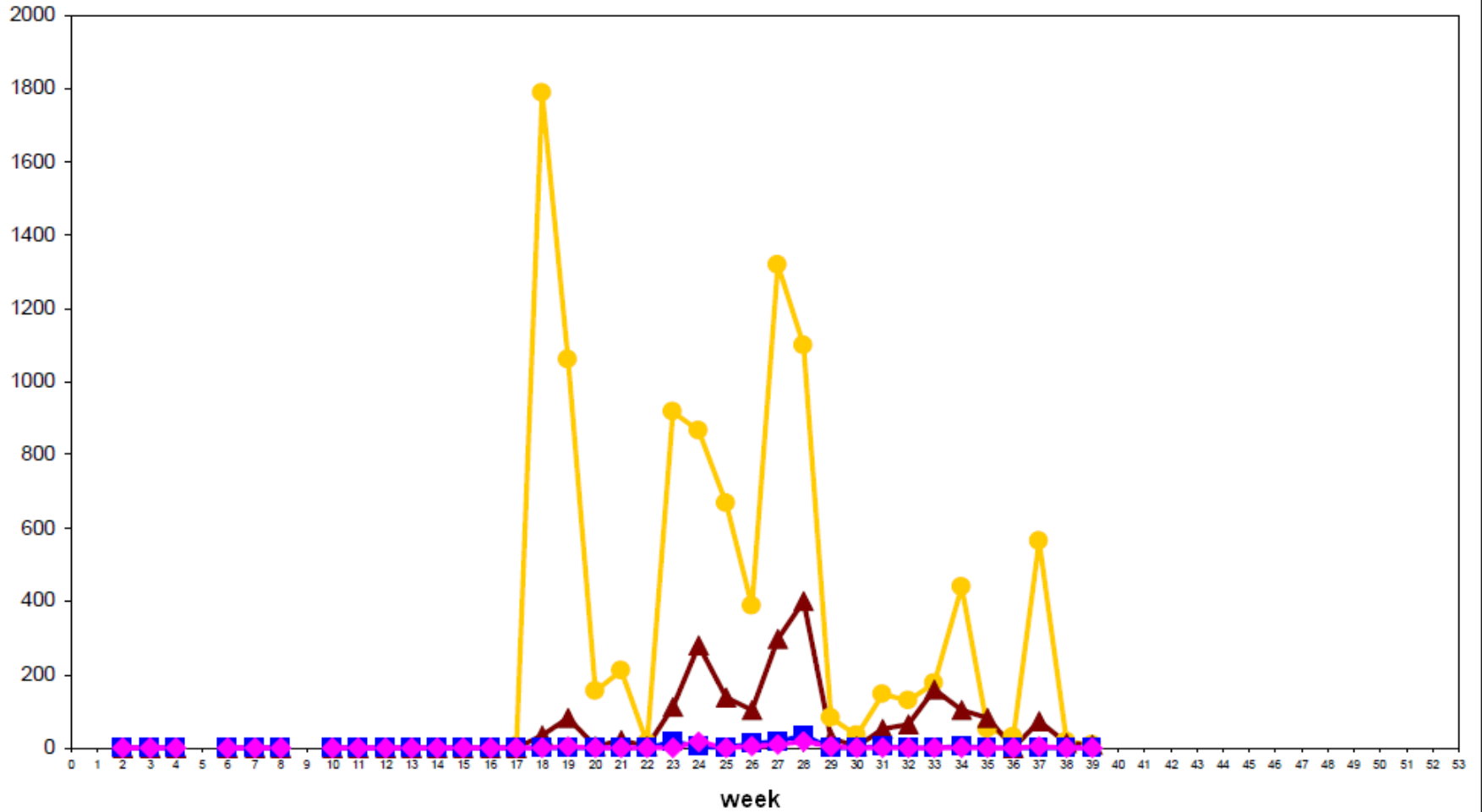
# Statistical information in 2010



Animals tested	Serological test (ELISA)		Virological test (PCR)	
	SR	RZ	SR	RZ
Sentinel animals	12 165	2150	0	0
Imports from MS	206	159	30	12
Before movement from restricted zones	2 492	1840	92	27
Abortions	995	210	0	0
<b>Total</b>	<b>15 858</b>	<b>4359</b>	<b>122</b>	<b>39</b>

\* all performed test are negative

Population dynamics of Culicoides in Slovakia during 2010



ŠVÚ Zvolen

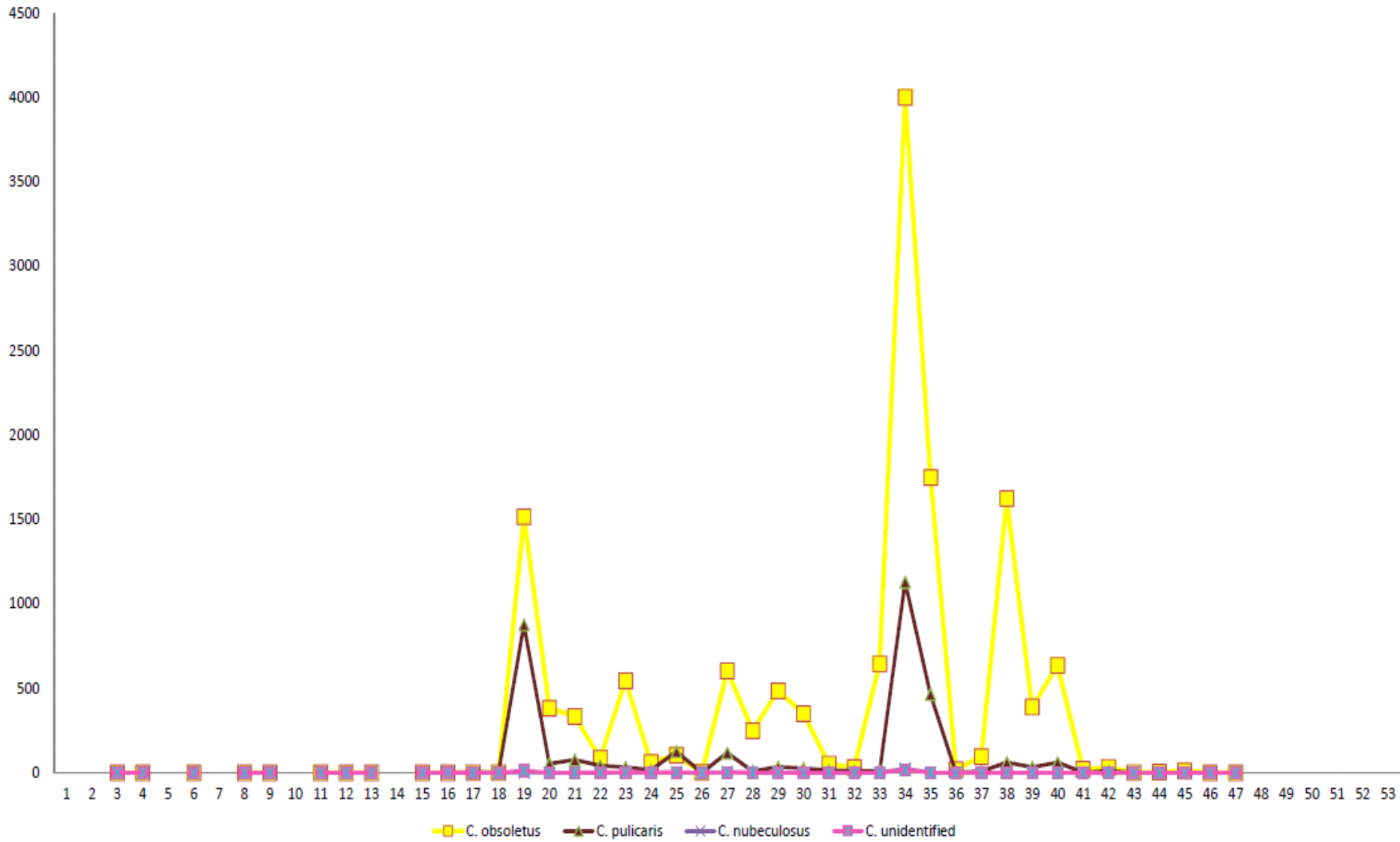
# Statistical information from 1.1.2011 to 31.10.2011

Animals tested	Serological test (ELISA)		Virological test (PCR)	
	SR	RZ	SR	RZ
Sentinel animals	9 885	1805	43	0
Imports from MS	37	20	10	0
Before movement from restricted zones	2 073	1040	141	140
Abortions	7	0	0	0
<b>Total</b>	<b>12 002</b>	<b>2865</b>	<b>194</b>	<b>140</b>

\* all performed test are negative



Population dynamics of Culicoides in Slovakia during 2011



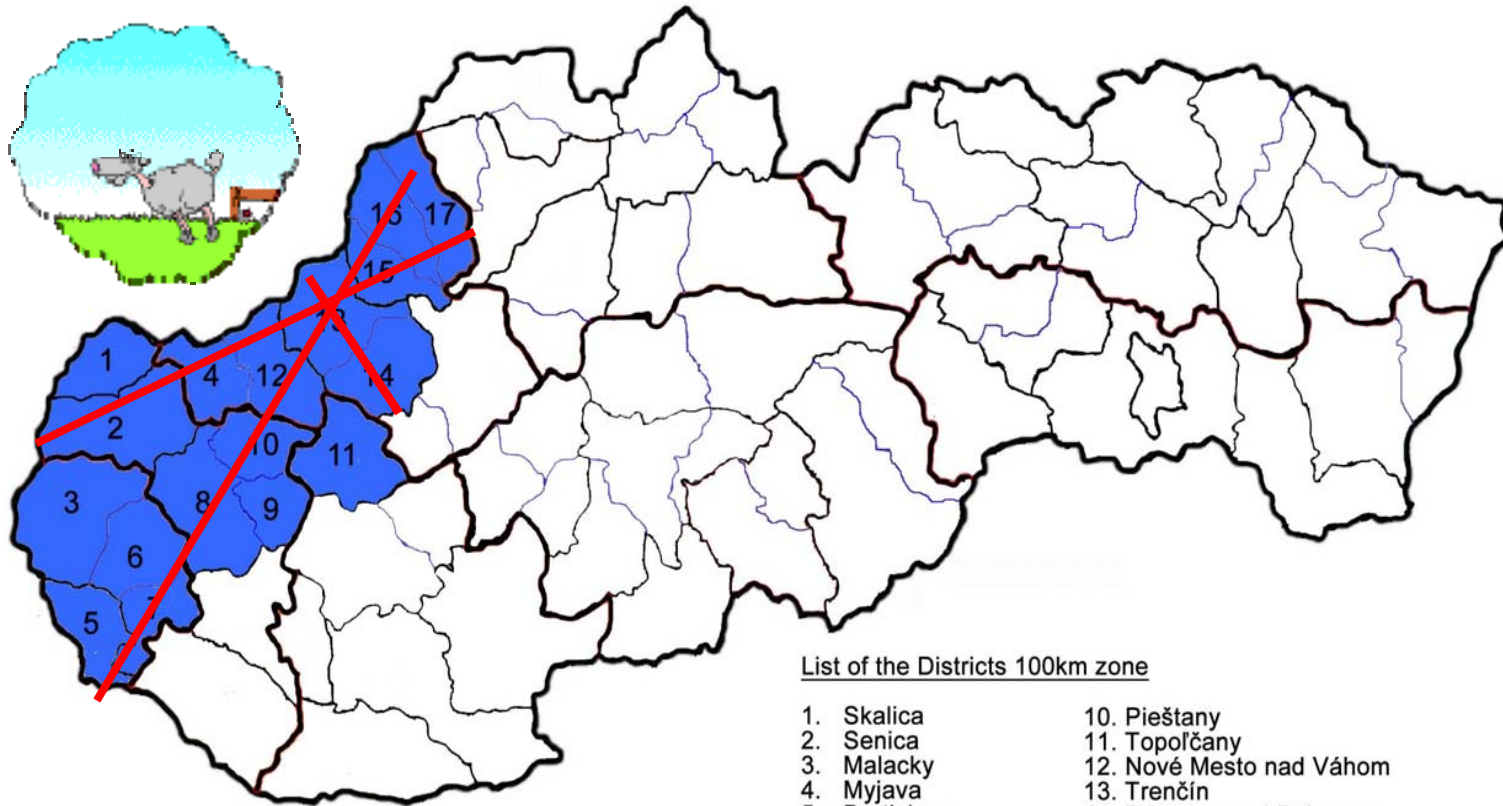
# Conclusions




- all test of sentinel animals, animals moved from restriction zones and animals after abortion performed in 2009, 2010 and 2011 were negative
- clear absence of bluetongue virus circulation in the territory of the Slovak Republic
- vector free period has started on 5.12.2011 (according requirements in Annex V of 1266/2007)
- taking into account information, that Czech Republic has lifted their restricted zone established close to Slovakian border, BTV 8 freedom of the CZ and favorable situation in the Slovak Republic in the past and at present, we would like to lift restriction zone connected to outbreak of bluetongue in the Czech Republic.

# Restriction zone– lifting SK

CZ outbreak,  
measures and  
restriction zone  
cancelled on  
25.11.2011



## Legend

 Districts in 100 km zone (Czech Rep. outbreak 2009)

## List of the Districts 100km zone

- |               |                          |
|---------------|--------------------------|
| 1. Skalica    | 10. Piešťany             |
| 2. Senica     | 11. Topoľčany            |
| 3. Malacky    | 12. Nové Mesto nad Váhom |
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Thank you for your attention.