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# Bluetongue in Hungary

**SCoPAFF**  
**3-4 November, 2014**

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# Bluetongue in Hungary

- Background information
  - Current epidemiologic situation
  - Control measures
  - Further actions
  - Acknowledgements
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# Bluetongue in Hungary

## Background information

- First and last occurrence till now: 2008 (ICT from France)
  - BT free status 2010-2014
  - BT reemergence in Europe in 2014
  - Awareness campaign for other authorities, breeding associations, farmers, large public from August.
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# Bluetongue in Hungary

## Background information

- Ordering surveillance zone around a Romanian protection zone, affecting parts of Békés and Csongrád county 26.09.2014.
  - First confirmation of BT in Hungary: 14.10.2014. Csongrád county
  - Notification: COM, OIE, Croatian and Serbian veterinary authorities
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26.09.2014.

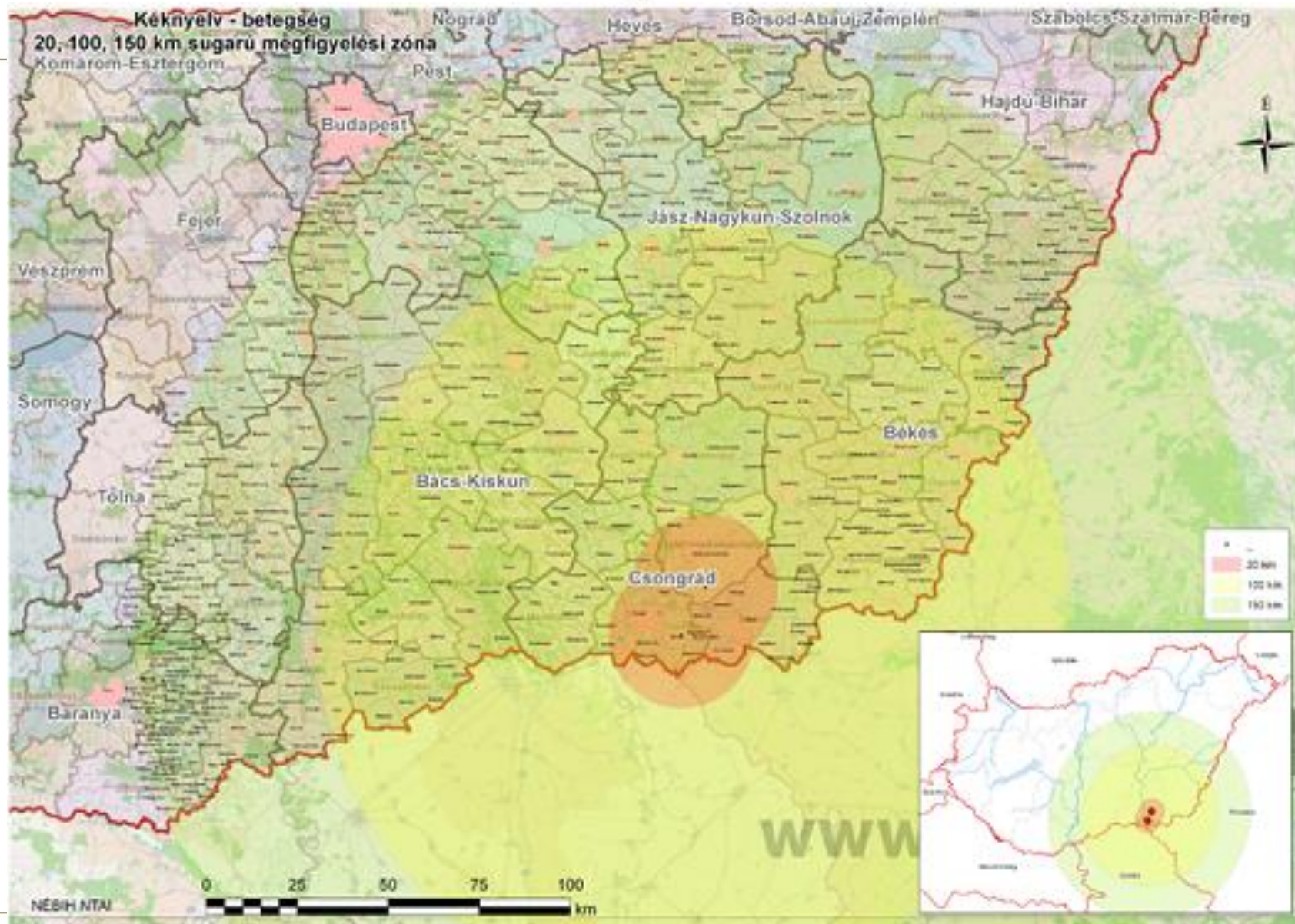


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14.10.2014.

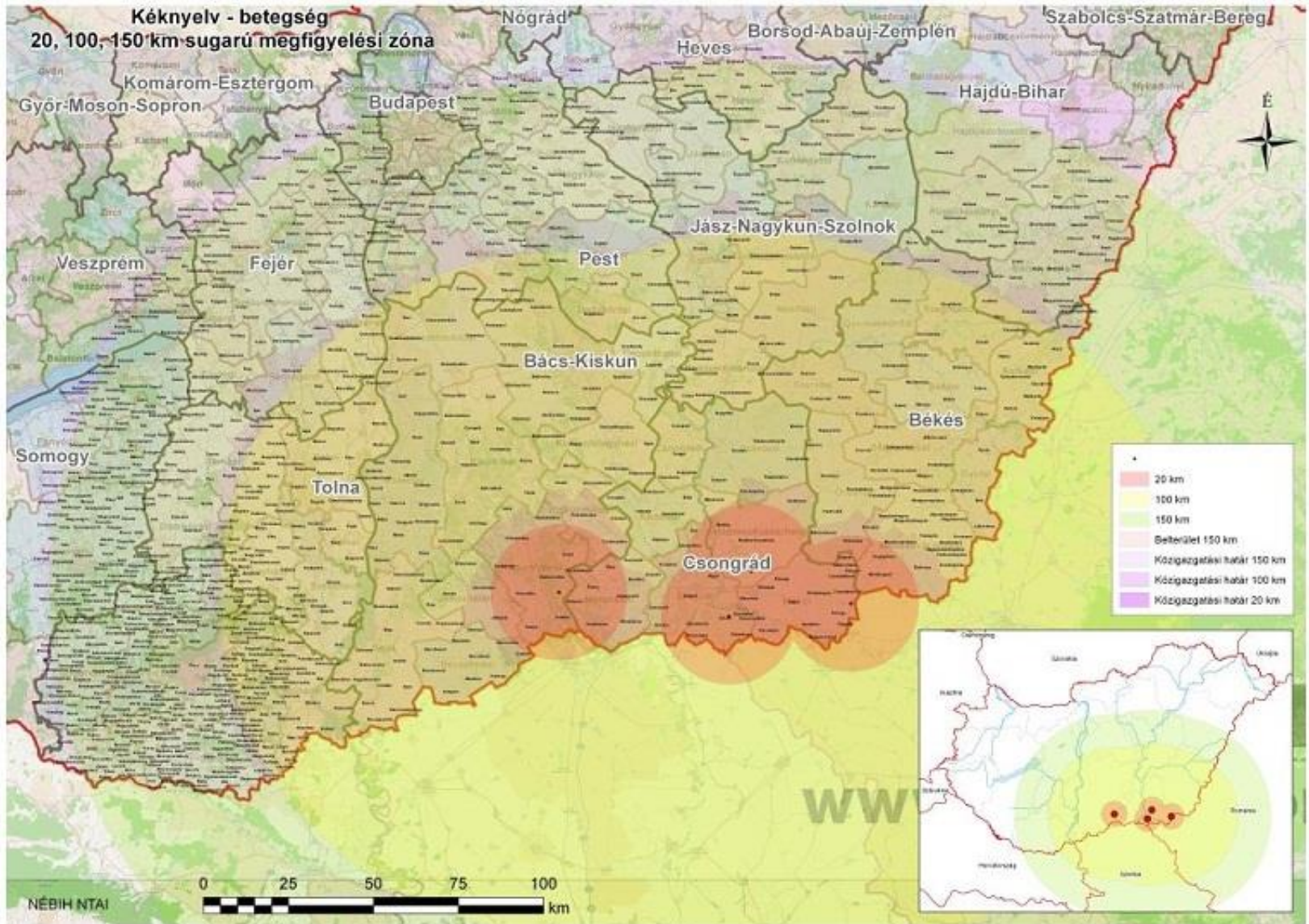




16.10.2014.



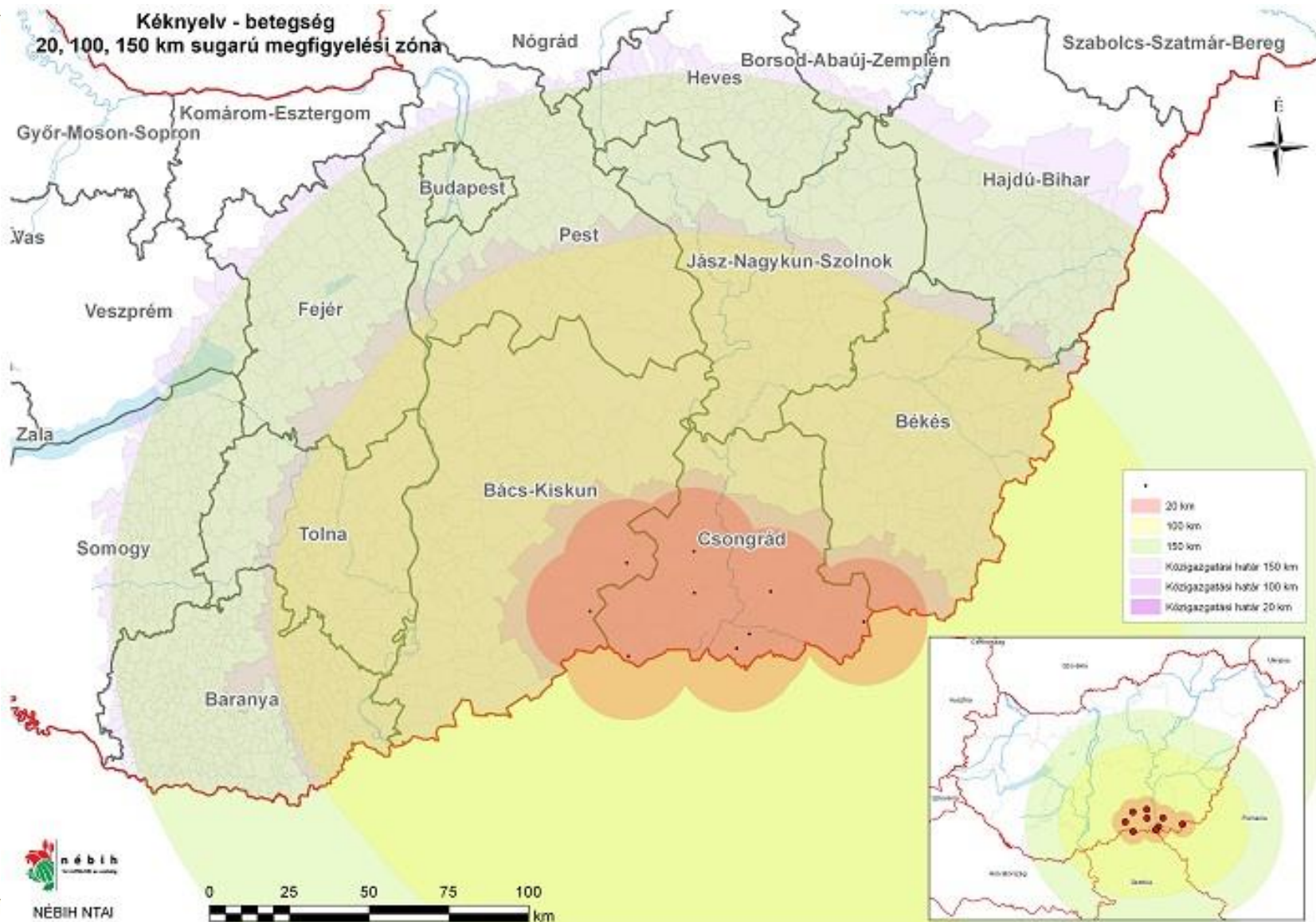
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20.10.2014.



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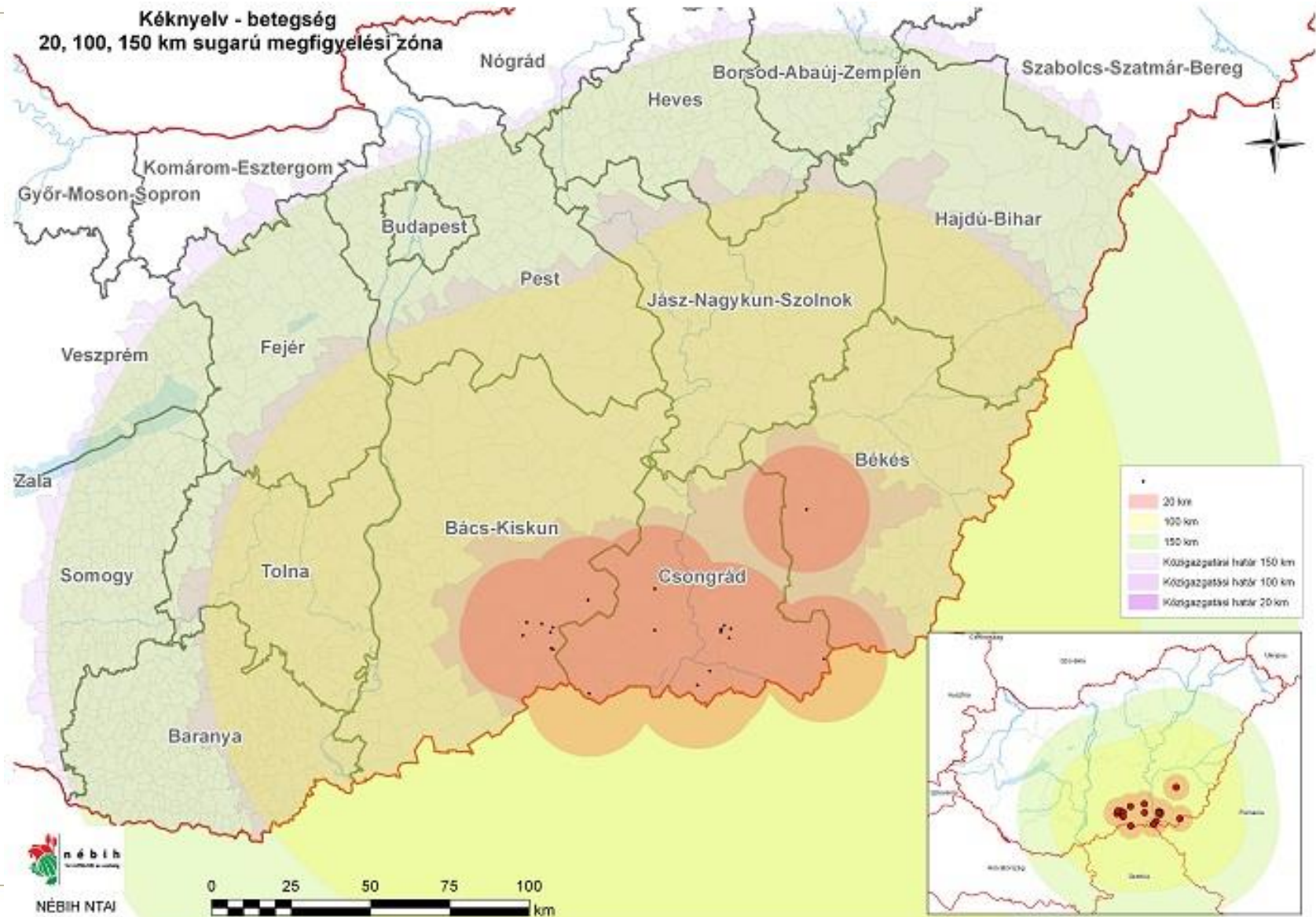




27.10.2014.



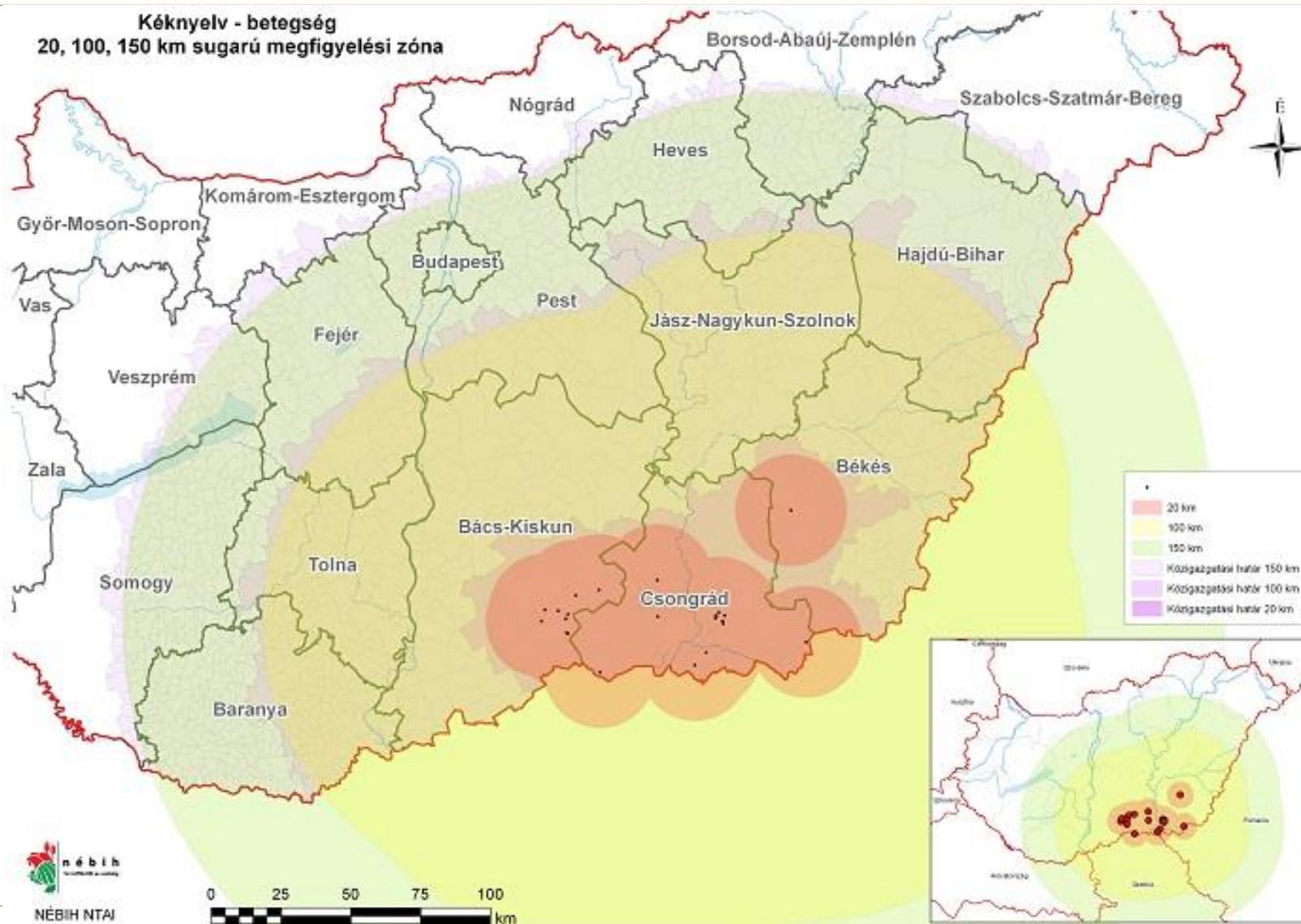
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30.10.2014.



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# Bluetongue in Hungary

## Control measures

- Protection zone of 100 km radius around the outbreaks
  - Surveillance zone: 50 km zone around the protection zone
  - Measures taken in the zones of 20 km radius around the outbreaks as laid down in Article 4 of Directive 2000/75/EC, enhanced surveillance within 3 km zone around all outbreaks
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# Bluetongue in Hungary

## Control measures II.

- Ban/restriction on animal movement
  - Vector control (treatment with repellents and insecticides) in the 2km radius zone of affected holdings
  - Entomological surveillance
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# Bluetongue in Hungary

## Current epidemiological situation

- 23 outbreaks (up to date 30/10/2014)
    - 11 primary
    - 12 secondary
  - 3 sheep and 72 cattle found PCR positive
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## Bluetongue in Hungary

### Current epidemiological situation II.

- In three counties:
    - Csongrád first: 15/10/2014 total: 13 (7 settlements)
    - Bács-Kiskun first: 15/10/2014 total: 9 (3 settlements)
    - Békés first: 25/10/2014 total: 1 (1 settlement)
  
  - Vector free period presumably from the end of November.
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	Bovine animals	Ovine animals	Caprine animals
Total number of animals in Hungary	848338	934784	19835
Total number of animals in the infected counties	187103	240218	4281
Total number of affected animals	80	3	0

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	Number of tests performed	Number of positive results
Serology (ELISA)	1794	82
PCR	3021	75

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## Serotyping

**BTV-4 serotype was confirmed by the EURL.**

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## Further actions

National BT Expert Group meeting in the near future:

- Weighing the advantages of vaccination

Enhanced surveillance is ongoing (incl. vector surveillance & analysis as well)

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## Acknowledgements

- Special thanks to:
    - Veterinary Diagnostic Directorate
    - Colleagues at field
    - Expert group
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Thank you for your attention!



Australian Blue Tongue Lizard

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