

# Results EU Veterinary Emergency Team mission to Hungary HPAI 19-21 December 2016

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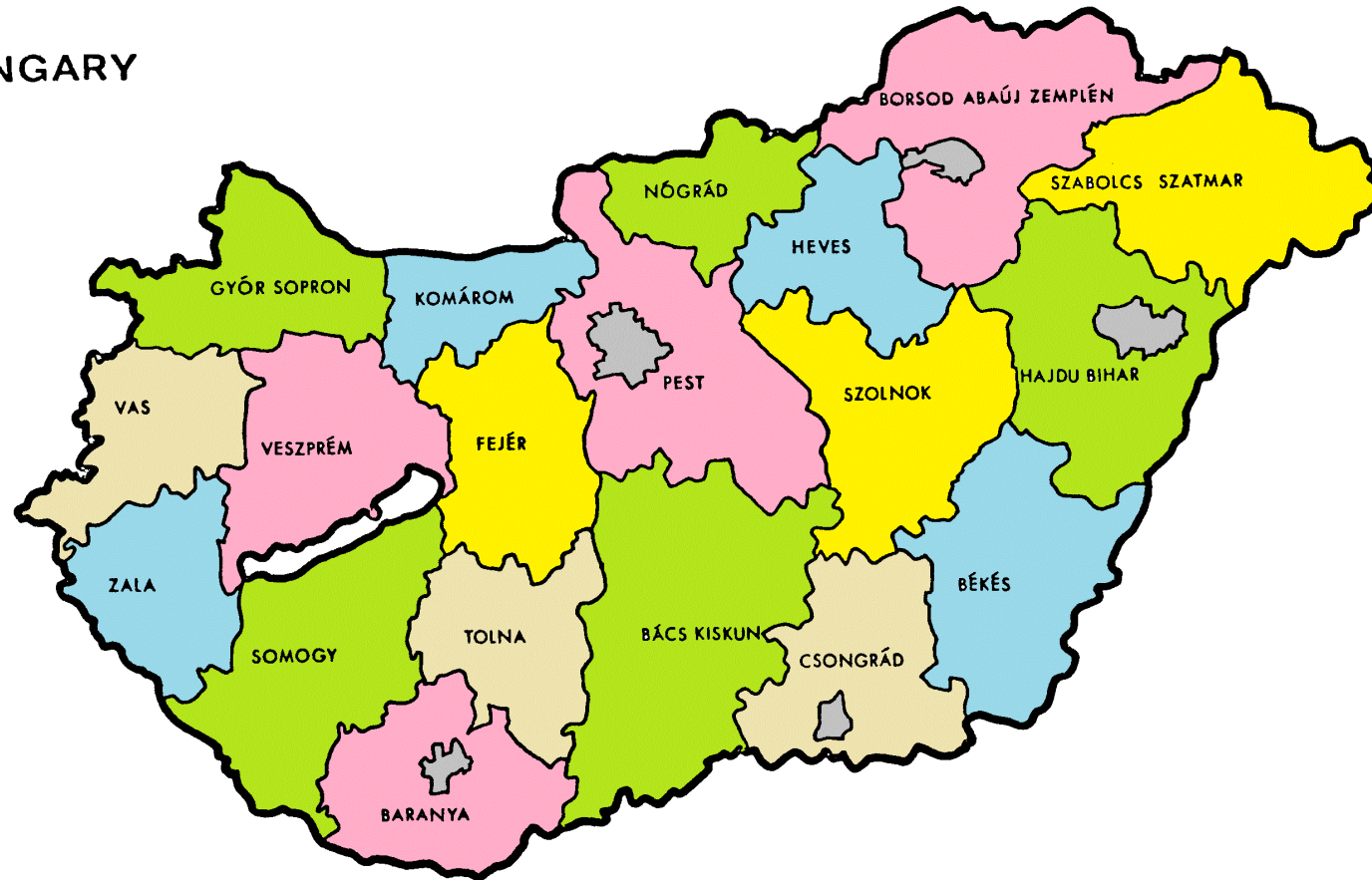
# Basic information about Hungary



- Territory: 93.000 square km, population: around 10 millions, GDP in 2015 10,900 EUR/capita

# Counties Hungary

HUNGARY



# Poultry production in Hungary

## Its role and importance in the economy

Production system	%
Broiler	46
Goose	11
Duck	13
Turkey	20
Table egg	10

Total:	606.583.000 Euro/year
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- Around 50% of goose, duck and turkey production is for export / intratrade

## First notification of HPAI H5N8 in wild bird

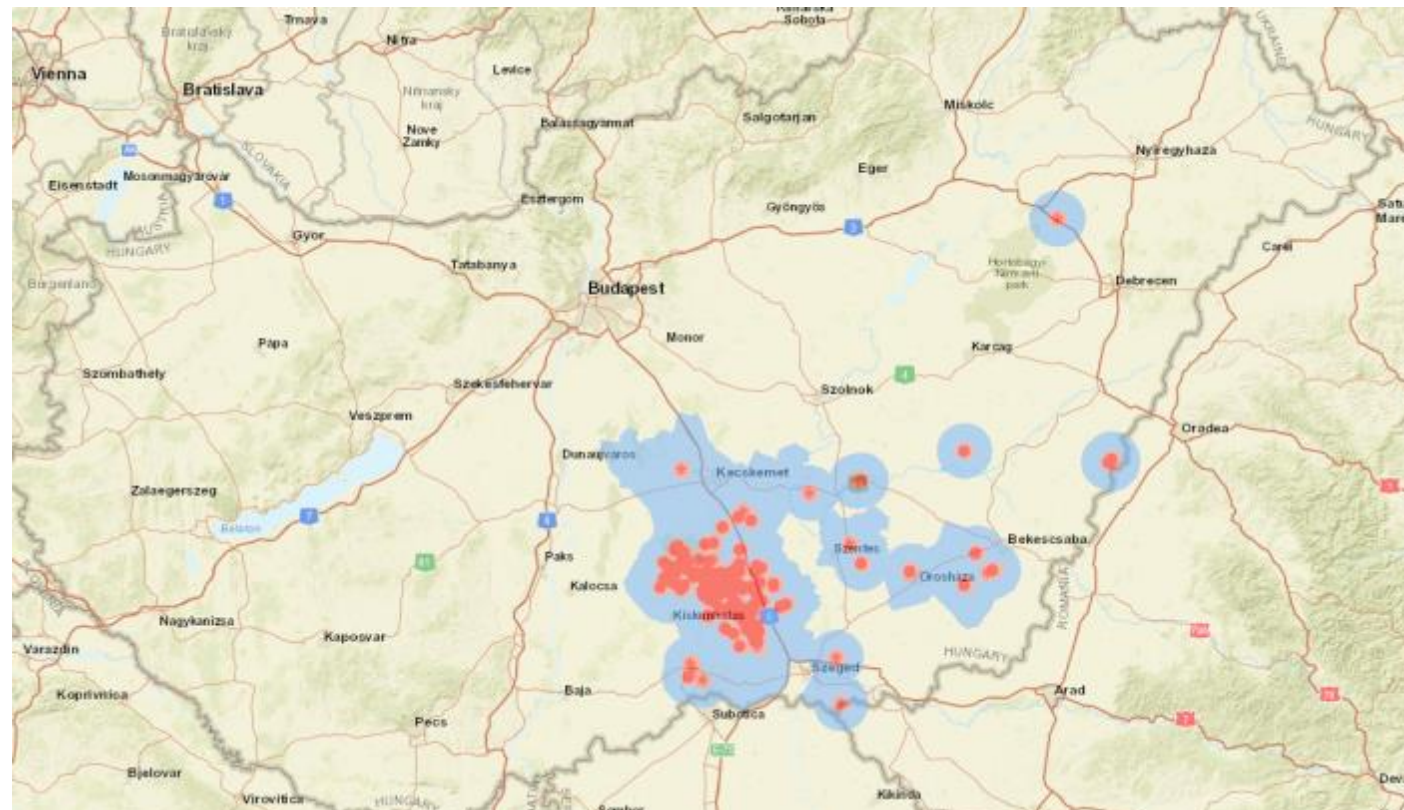
27 October in a dead mute swan (*Cygnus olor*) near lake Fehér-to in Csongrád county  
County of HPAI H5N8 in wild bird October 2016



# First confirmation of outbreak HPAI H5N8 in fattening turkey holding located in Tótkomlós locality, Békés County on 3/11/2016

## Situation third week december 2006

- More than 200 poultry holdings infected, mainly in duck and goose production (about 75%)
- More than 2 million birds culled
- 5 counties affected, the county of Bács Kiskun is most heavily affected



# General conclusions mission

- Personnel are motivated and competent
- Weakness in up to date (epidemiological) data:  
    number of farms, number of animals, timelines, etc.
- Analysis of epi data could be better organised
- Good laboratory capacity and skills
- There appears to be a relatively quick response to new outbreaks
- Despite this quick response the virus is spreading
- Weakness in written procedures - manuals
- Chain of command is rather long for crisis situation
- Good communication procedures

# Recommendation 1: outbreak management

- Develop/review national operational protocol for outbreak management
- Appoint national responsible personnel
- Focus implementation on outbreaks in new areas





# Recommendation 2: further restricted zone

Consider implementing a further restricted zone to protect the rest of the country taking into account the AI virus spread in the affected area

- Make use of farm and epidemiological data to identify high risk areas
- Separate means of transport, personnel, production chains inside and outside restricted zones
- Ban restocking until epidemiological data confirm that restocking is safe
- Active monitoring and pre-movement testing

# Recommendation 3: improve collection and analysis of data

- Need for data manager at the national level
- Need for epidemiologists to analyse data at the national level for decision making in outbreak management (identification of areas and holdings at risk, modes of spread, forward tracing)

# Recommendation 4: monitoring before restocking

- Census of active farms
- Active monitoring (clinical inspection and sampling as required) to include representative sampling of backyard poultry
- Implement biosecurity measures to protect from ongoing wild bird risk

# Recommendation 5: laboratory support

- Develop a laboratory testing strategy to include a triage (ie samples from restriction area and pre-movement testing H5 PCR only)
  - Triage to restrict full spectrum of testing to new disease suspicions in currently unaffected areas
  - Review sampling both numbers and type to provide key information for outbreak management (ie swabs from preventatively culled flocks instead of carcasses)
  - The above can be informed by data analyses by epidemiologist
- (Hungary informed that the above recommendations have been implemented already)

# Recommendations longer term

- Update national contingency plan for avian influenza with regular exercises
- Develop/update national executive protocols for notification, suspected farms, culling and restocking of infected farms/regions.
- Analysis of duck and goose production (structure duck and goose production facilitates in between farm spread of avian influenza)
- Consider different (shorter) line of command for crisis situations
- Hungary suggested that there is a need for guidelines for waterfowl specific AI measures.

Thank you for your attention

