



Federal Ministry  
of Food  
and Agriculture

# Highly pathogenic Avian Influenza of subtype H5N8 in poultry in Germany

SCoPAFF – 20 November 2014

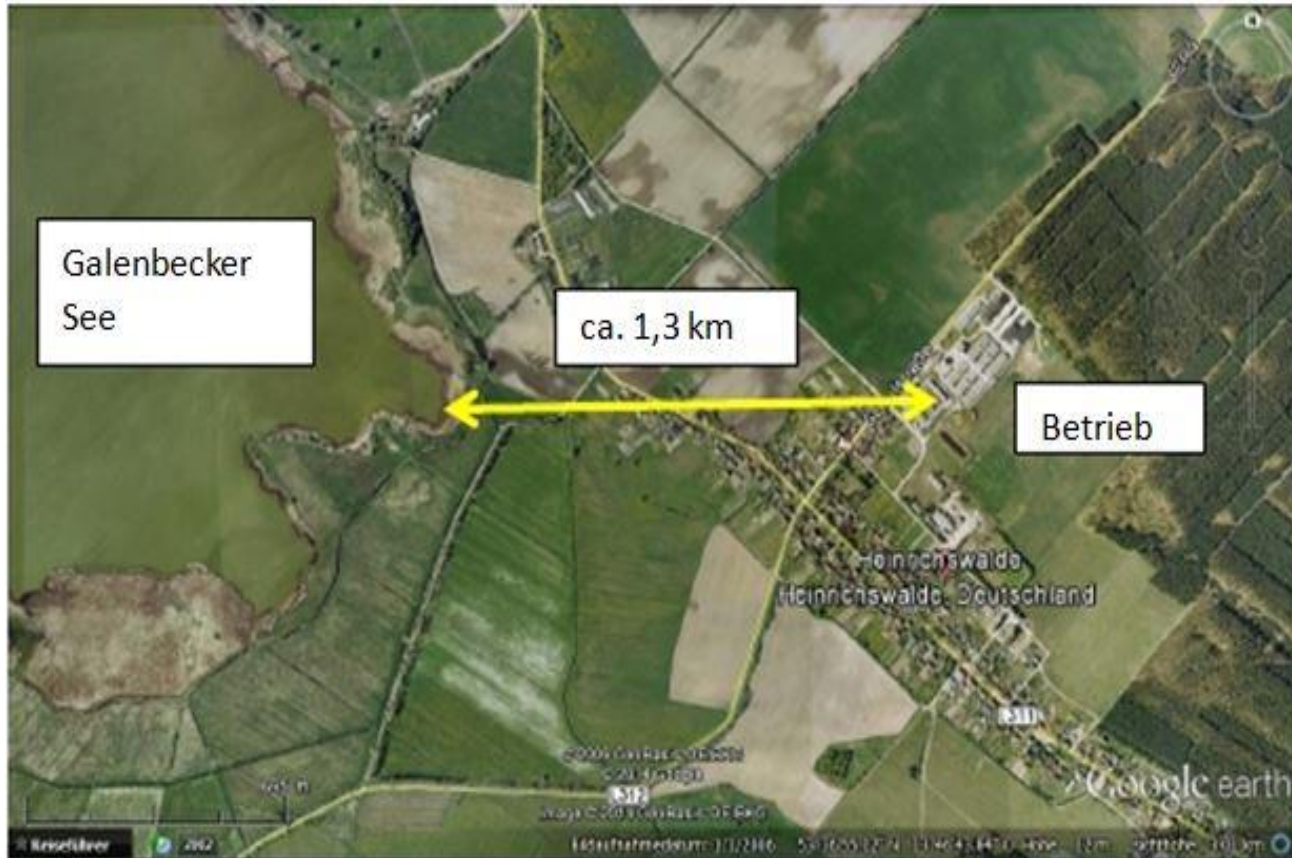




05.11.2014:

Outbreak of HPAI H5N8 in a turkey  
fattening farm in Heinrichswalde,  
Landkreis Vorpommern-Greifswald,  
Mecklenburg-Western Pomerania

HPAI H5N8 – *poultry* – 05.11.2014  
- outbreak holding / closer surroundings



# HPAI H5N8 – *poultry* – 05.11.2014

- outbreak holding

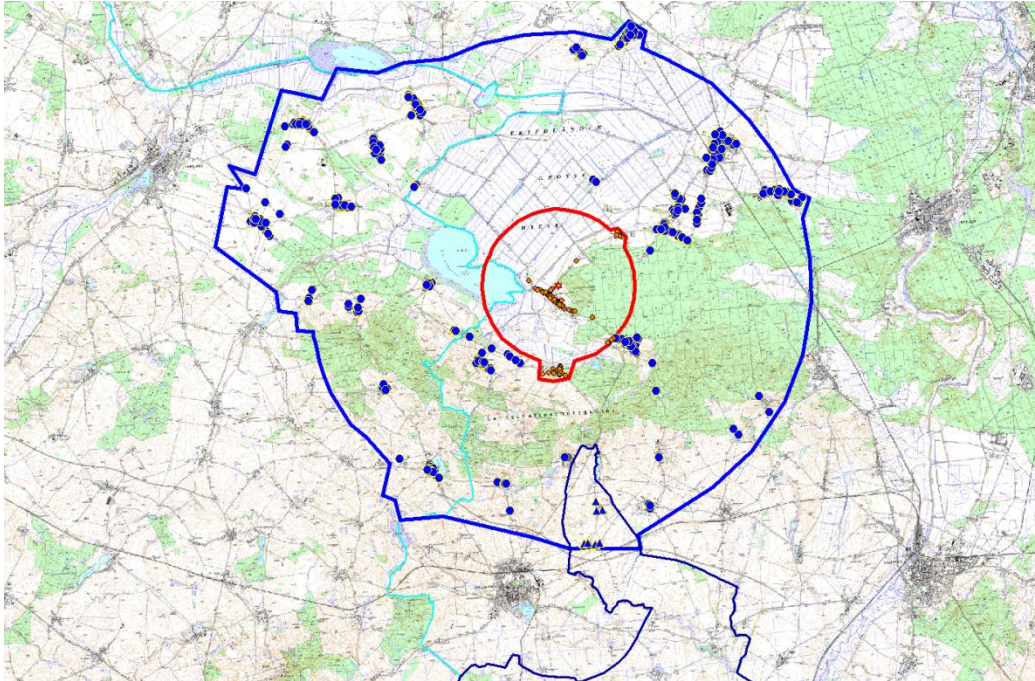
Fattening turkeys in 6 houses  
since 21.07. / 29.09.2014  
in total: 31.000 turkeys



Suspicion (clinical signs, gross increase of mortality)	04.11.: private lab: H5 pos.  Land lab: confirmed
Confirmation	05.11.: FLI: HPAI H5N8
All poultry culled and safely disposed of	06./07.11. (CO <sub>2</sub> , electricity)
Cleaning and disinfection	10.11.
Samples (Land lab + FLI)	
- poultry - others (manure, equipment, mice, dogs)	57/102: H5 pos. 0/16: AIV pos.

# HPAI H5N8 – *poultry* – 05.11.2014

- Protection zone / Surveillance zone (1)



## Protection zone:

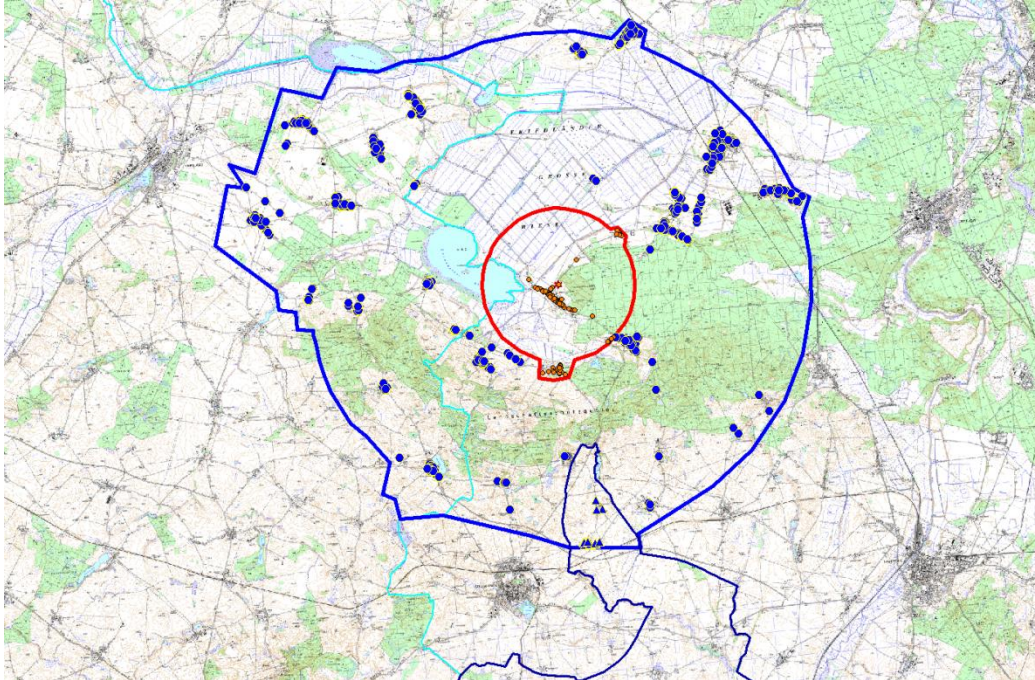
62 holdings with 1.067 poultry

- 48 poultry holdings (776 poultry) within the 3-km-radius have been culled and safely disposed of; culling completed on 06.11.2014; 591 samples taken

- 14 remaining holdings (291 poultry) were checked clinically; 204 samples taken:

in total: 795 samples of all 62 holdings: → **AIV negative**

HPAI H5N8 – *poultry* – 05.11.2014  
- Protection zone / Surveillance zone (2)



Surveillance zone

(as of 18.11.2014, 16:00)

MV and BB:

573 holdings with 177.145 poultry:

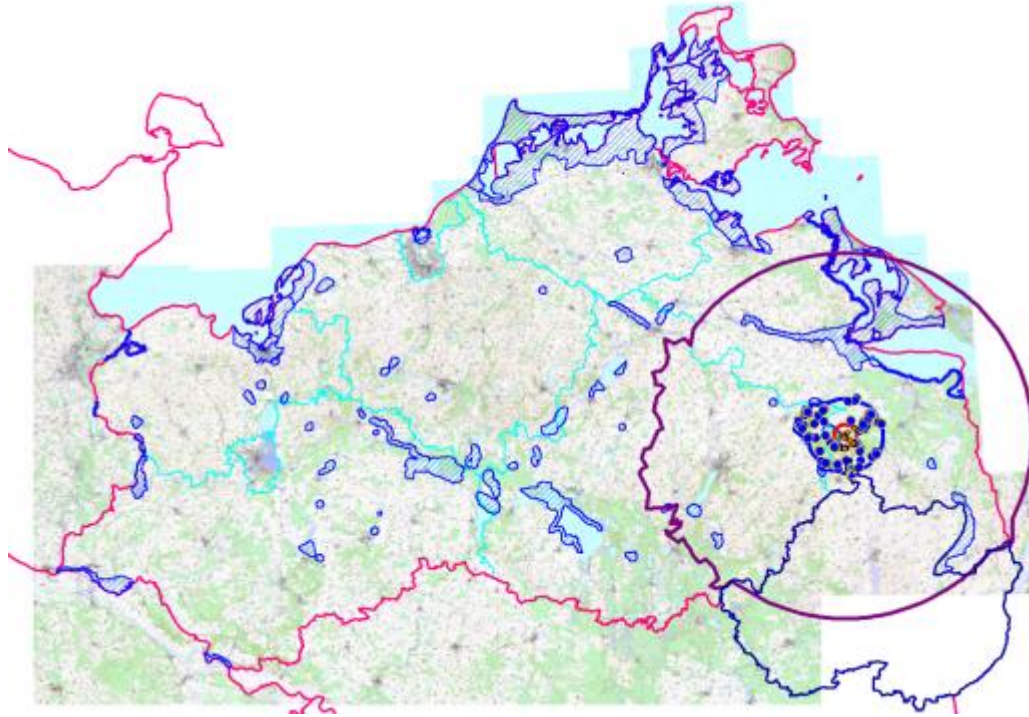
220 holdings clinically checked

100 holdings sampled (1.350  
samples)

→ **all results: AIV negative**

# HPAI H5N8 – *poultry* – 05.11.2014

- Mandatory housing



Mandatory housing of all poultry within a radius of 50 km (of the affected holding) in MV and BB

MV:

11.750 holdings

2.786.380 poultry

46 samples: AIV negative

BB:

around 4.900 holdings (1 rural district)

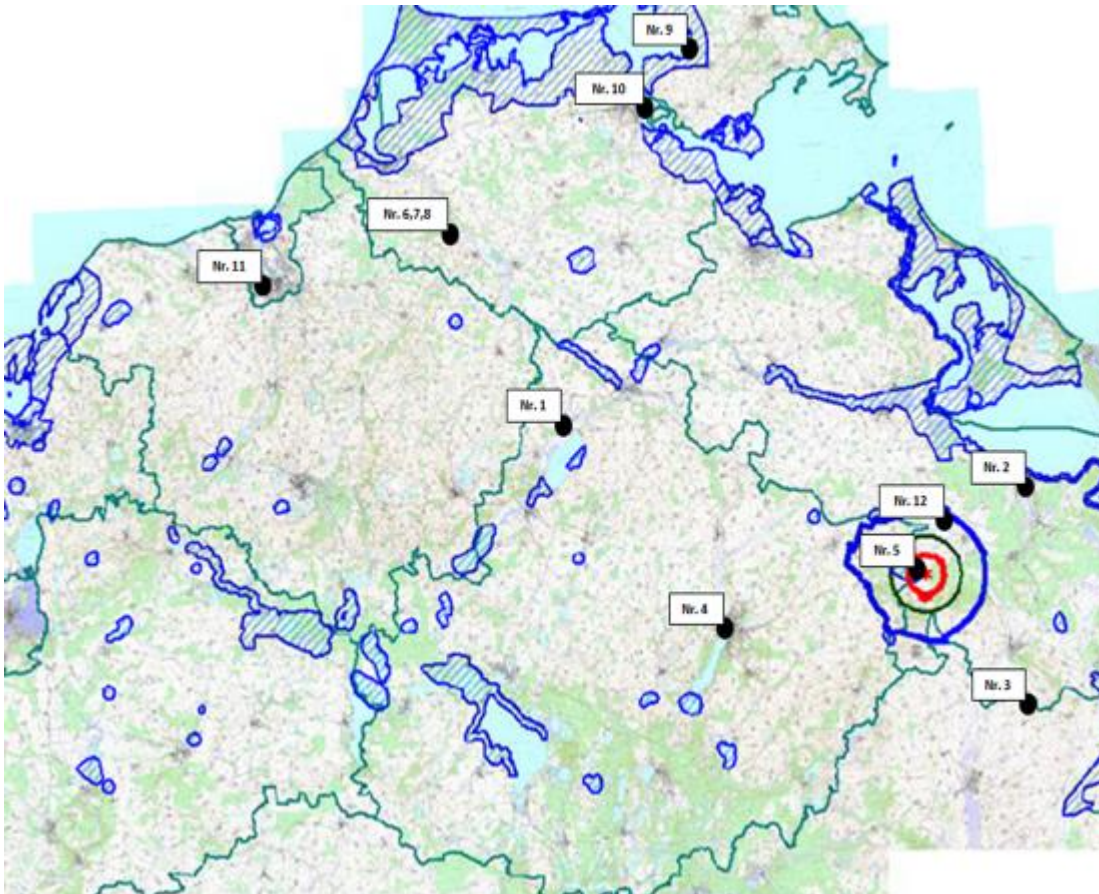
**Epidemiology, *tracing back*:**

- First occurrence of H5N8 in Europe
- Purchase of turkey chickens from a hatchery in Germany on 21.07. and 29.09.2014
- Wild birds:



# HPAI H5N8 – poultry – 05.11.2014

## – Epidemiology (2) – wild birds



### Galenbecker See:

no dead wild birds at the lake nearby the affected holding;  
11 samples of faeces of wild birds: AIV negative

### Other places in MV:

(as of 18.11.): further 47 samples from wild birds (different types) (34 out of them taken 05.10.-14.11.-Rügen): H5/H7/N1: negative

**Epidemiology, *tracing on:***

- No poultry or poultry products have been moved from the affected holding to other *Laender*, Member States or Third countries
- Private veterinarian (veterinary stock supervision): Two turkey carcasses have been sent to the Berlin University (Institute of Poultry Diseases) on 04.11.2014 for investigation purposes and found H5-pos.; 88 poultry of the Institute of Poultry Diseases have been precautionarily culled, all samples tested with **negative AIV-results**

## **Epidemiology, *tracing on* - contacts of the**

- private veterinarian:

-- other poultry holdings (in total: 27):

Mecklenburg-Western Pomerania: 16 in 5 rural districts (1.042 samples)

Brandenburg: 9 in 6 rural districts (486 samples, 26 carcasses)

Saxony-Anhalt: 1

Lower Saxony: 1

→ clinically checked and virologically sampled:

**negative AIV-results**

-- poultry holdings in Poland; communication with the Polish vet service

- company for disposal of animal by-products: 6 poultry holdings (MV)

- feed supplier: 3 poultry holdings (MV)

→ clinically checked (9 holdings) and virologically sampled (4 holdings):

**negative AIV-results**

1. The outbreak of HPAI H5N8 (virologically closely related to isolates from South Korea) in poultry in the commune of Heinrichswalde (MV) was the first in Europe.
2. All poultry of the affected holding has been immediately culled and safely disposed of.
3. All checks of poultry holdings (clinically and 3.348 samples in total for virologically investigation) in the restricted areas and of contact holdings: AIV negative results.
4. All samples of wild birds: H5/H7/N1 negative
5. No trade or export of poultry or poultry products to other Laender, Member States or Third Countries.
6. Source of infection: still unknown (wild birds?), investigations ongoing

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**Thank you for your attention!**