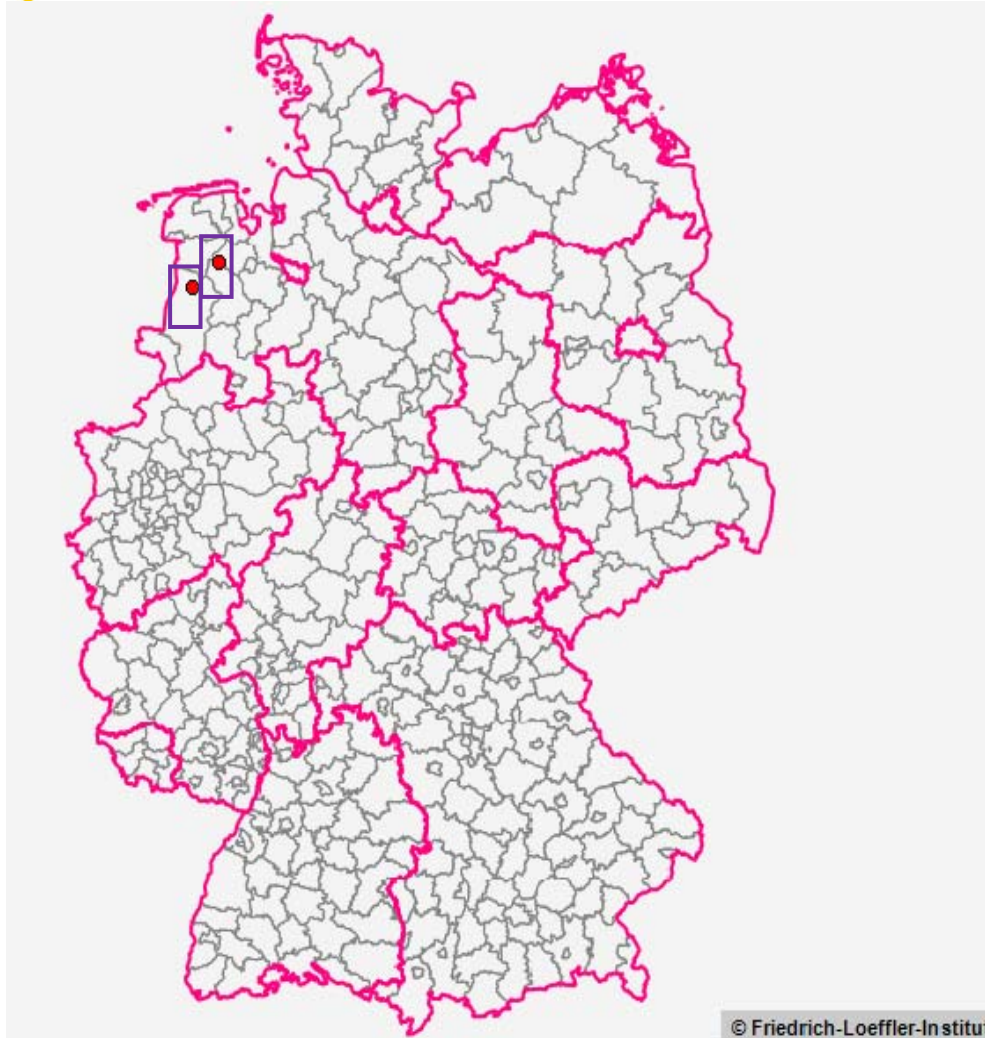


**Update on
Highly pathogenic Avian Influenza of
subtype H5N8 in poultry and other captive birds in
Germany**

Standing Committee for Plants, Animals, Food and Feed
13/14 January 2015



HPAI H5N8 in Lower Saxony

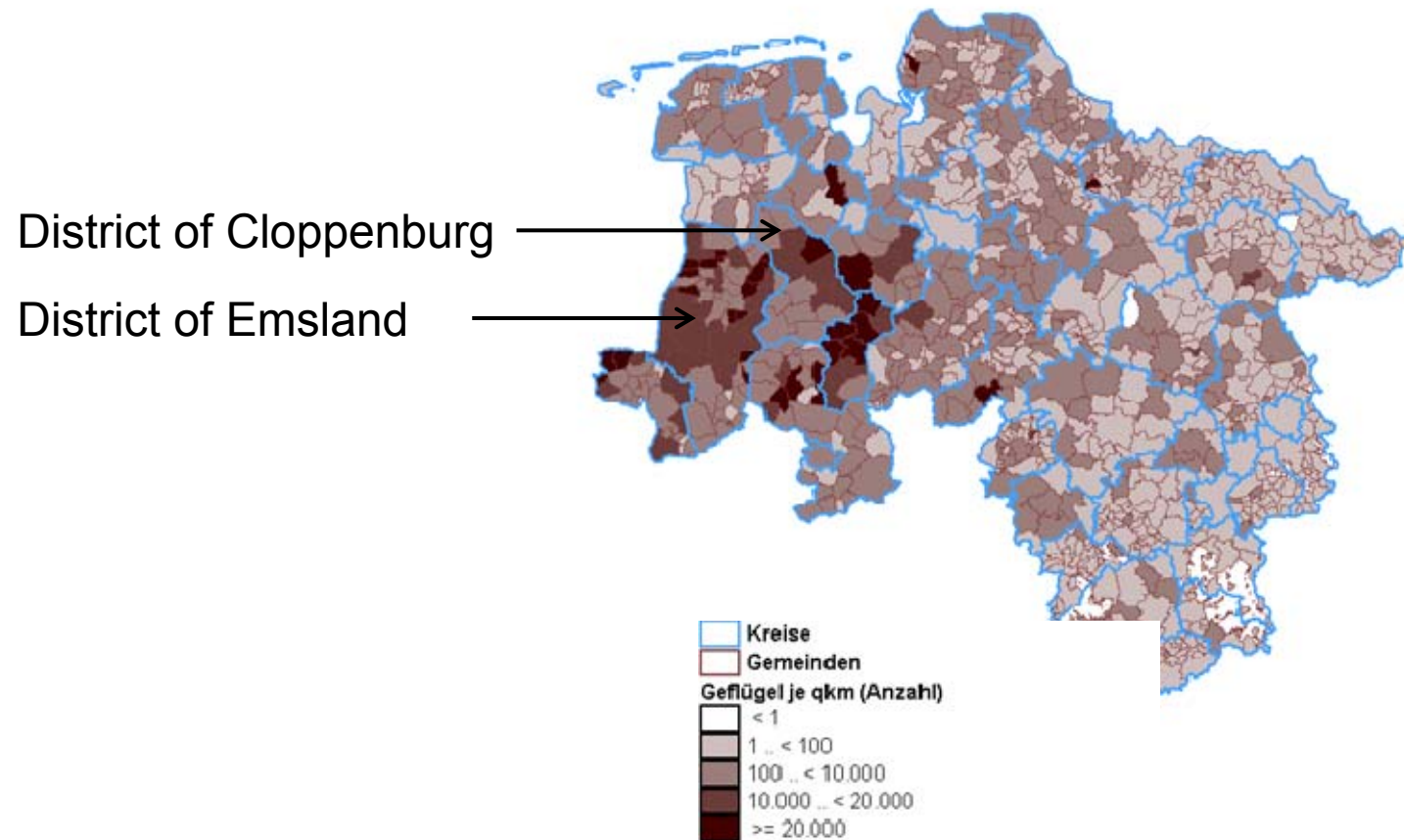


Affected holdings in

-Barßel, district Cloppenburg
(16.12.2014)
(fattening turkeys)

-Neubörger, district Emsland
(20.12.2014)
(fattening ducks)

Density of poultry population in Lower Saxony

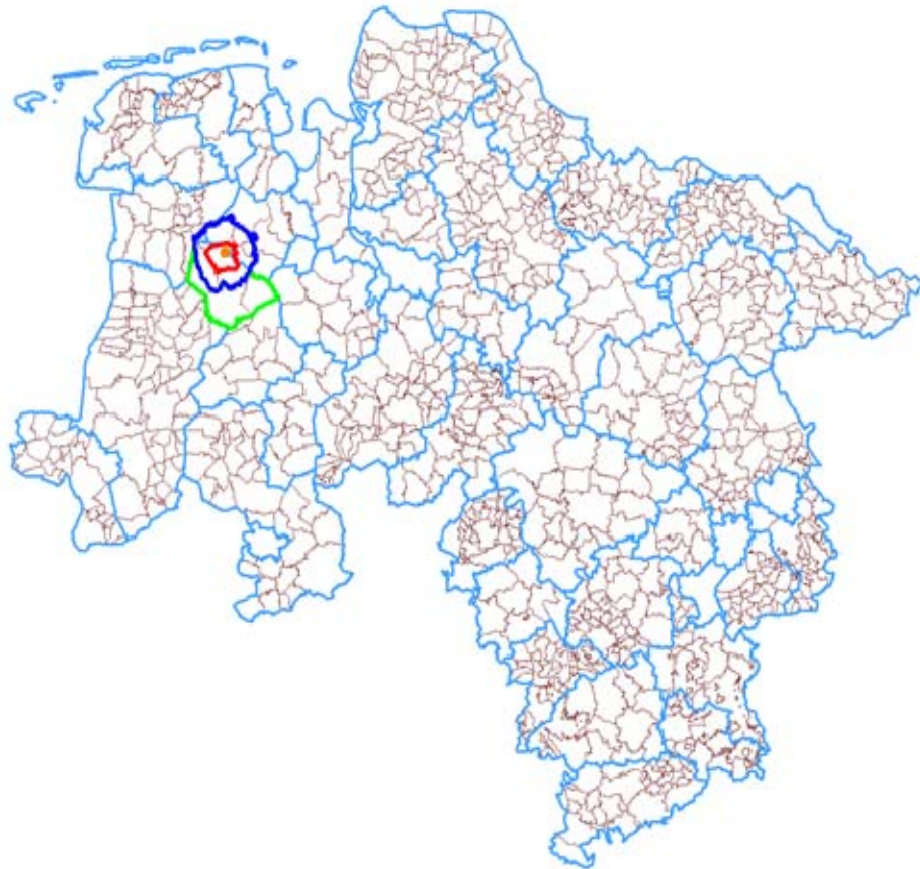


HPAI H5N8, outbreak Barßel: Outbreak holding

Holding with 19.200 fattening turkeys kept in four sheds

Clinical signs, gross increase of mortality	13./14.12.
Private lab: H5 pos.	15.12.
Holding under restriction	
Suspicion (Land lab confirmed H5)	
Confirmation (FLI: HPAI H5N8)	16.12.
All poultry culled (CO ₂) and safely disposed of	16.12.
Cleansing and disinfection	18.12.

HPAI H5N8, outbreak Barßel: Protection zone / Surveillance zone



Protection zone (district of Cloppenburg and parts of district of Ammerland):

84 holdings (one holding kept no poultry currently)

345,262 poultry

Surveillance zone (district of Cloppenburg, parts of districts of Ammerland and of Leer):

411 holdings

671,774 poultry

all results of clinical surveillance and PCR:

→ **AIV negative**

HPAI H5N8, outbreak Barßel: Further measures (1)

- Culling of
 - two other poultry holdings (100 laying hens; around 90,000 broiler chicken) within the 1,000 m radius around the affected holding, and
 - one contact holding (11,500 fattening turkeys) located in Garrel (same district)
- All results of clinical surveillance and virologically sampling of 8 holdings within the 1,000 m radius around the mentioned contact holding: **AIV negative**

HPAI H5N8, outbreak Barßel: Further measures (2)

- First Stand still for movements to/from poultry holdings in the district Cloppenburg (16.12., 0:00).

Replaced by a Stand still for 72 hours (between 16.12., 18:00, and 19.12., 18:00) in three districts (Cloppenburg, Ammerland and Leer).

Transport of day-old chicks is exempted from the stand-still

- Prohibition of restocking of poultry holdings in an area adjacent to the surveillance zone for 30 days following the removal of the poultry from their holdings (314 holdings with around 5,5 million poultry)

(applicable from 19.12.2014, lifted with effect from 08.01.2015).

HPAI H5N8, outbreak Barßel: Restricted zones

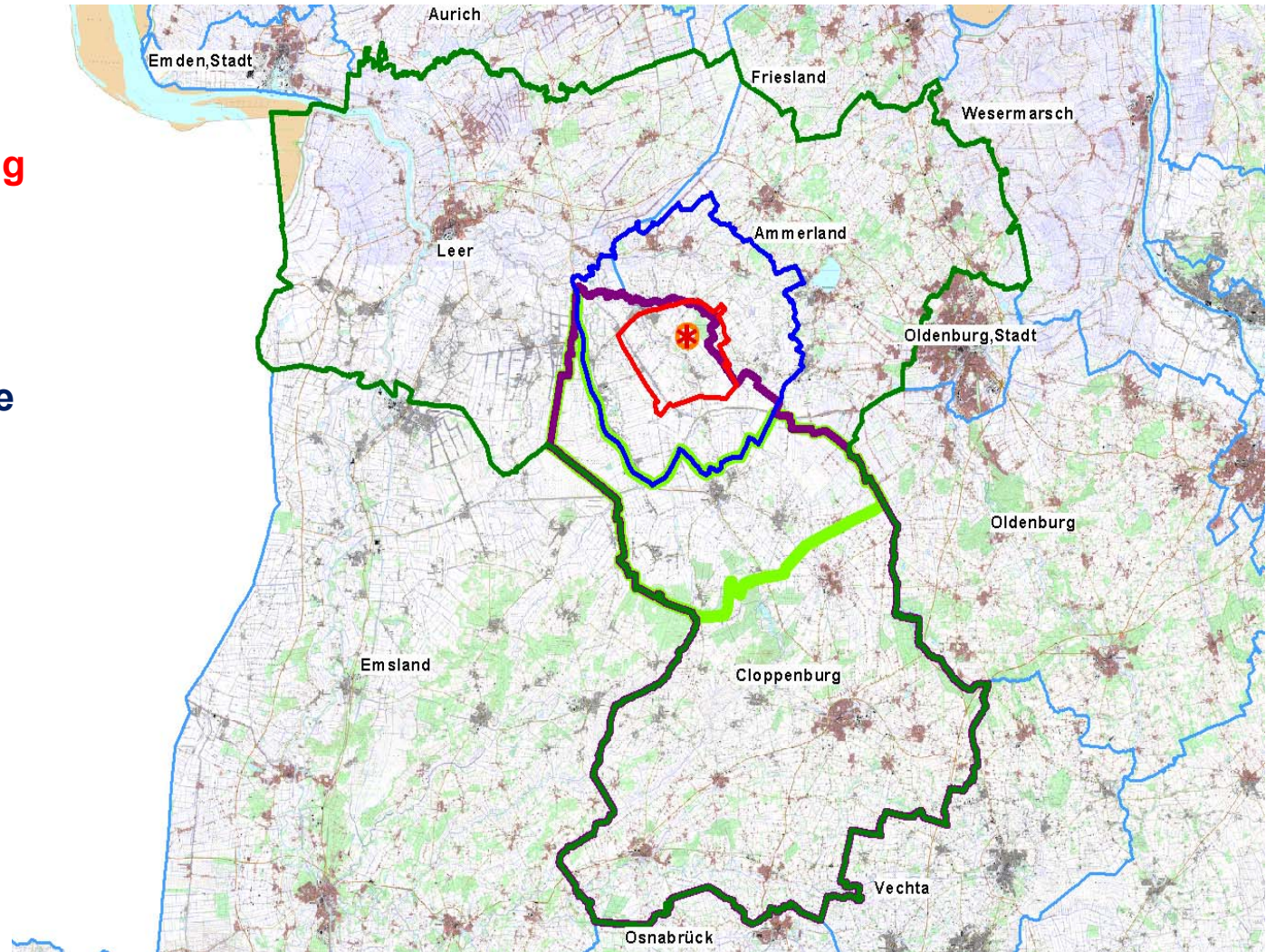
**✘ Affected holding
+ 1 km radius**

**Protection zone
(lifted)**

Surveillance zone

**72h-Stand still
(three districts -
lifted)**

**Prohibition of
restocking of
poultry holdings
(parts of one
district - lifted)**



HPAI H5N8, outbreak Barßel:
Duration of measures,
(foreseen) dates for lifting of zones

Commission Implementing Decision 2014/945/EC concerning certain protective measures in relation to highly pathogenic avian influenza of subtype H5N8 in Germany of 19 December 2014

Protection zone to be valid until 09.01.2015

Lifted on 12.01.2015

Surveillance zone to be valid until 18.01.2015

Date foreseen for lifting of zone: 22.01.2015

HPAI H5N8, outbreak Barßel: Epidemiology (1)

Epidemiological investigations have been immediately carried out in collaboration with experts from the FLI.

Tracing on – contacts of

- staff: one poultry holding (Garrel); culled and safely disposed of
- manager of the holding: visit of 7 poultry holdings
- private veterinarian: visit of 7 poultry holdings
- equipment: one poultry holding (Bösel)
- feed supplier vehicle: three poultry holdings
- company for disposal of animal by-products: further poultry holdings

All holdings clinically checked and virologically sampled: **negative AIV-results**

- No poultry or poultry products have been moved from the affected holding to other *Laender*, Member States or Third countries
- Source of infection: still unknown

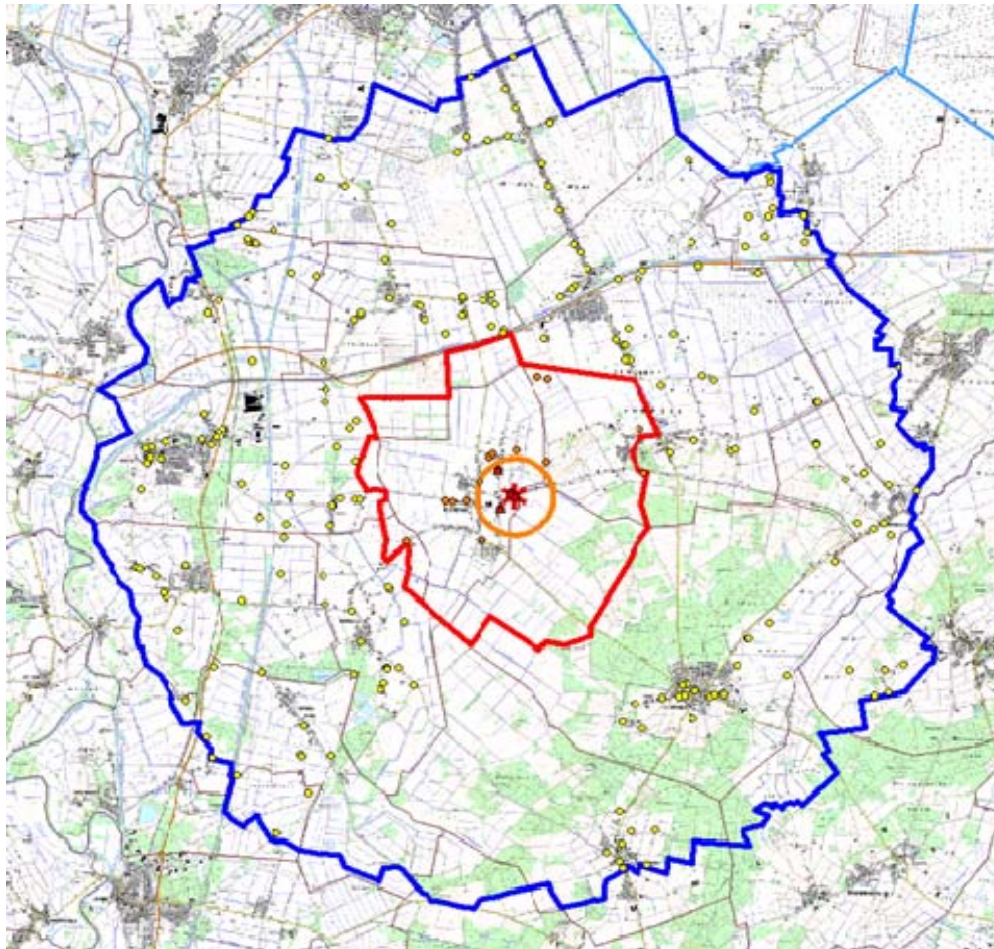
HPAI H5N8, outbreak Neubörger: Outbreak holding

Holding with 10.977 poultry (10.968 fattening ducks aged eleven days and 9 hens) kept inside

Clinical signs, gross increase of mortality of ducks	
Private lab: H5 pos. (2 ducks)	19.12.
Holding under restriction	
Suspicion (Land lab confirmed)	
Confirmation (FLI: HPAI H5N8)	20.12.
All poultry culled (CO ₂) and safely disposed of	20.12.
Cleansing and disinfection	23.12.



HPAI H5N8, outbreak Neubörger: Restricted zones



✖ **Affected holding**
1 km radius
3 holdings culled, 39 laying
hens

Protection zone
15 holdings
124,147 poultry
Lifting after 13.01.2015

Surveillance zone
225 holdings
3,979,765 poultry
Lifting after 22.01.2015

all results of clinical
surveillance and PCR:
→ **AIV negative**

HPAI H5N8, outbreak Neubörger: Epidemiology (1)

Epidemiological investigations have been immediately carried out (in collaboration with experts from the FLI regarding the duck slaughterhouse).

Tracing back:

last purchase of duck chickens on 08.12.; two contact duck fattening holdings in the same district: **AIV negative** (clinically checked, virologically sampled)

Tracing on:

- Contacts of private veterinarian: visit of two poultry holdings: **AIV negative** (clinically checked, virologically sampled)

- Feed supplier vehicle and vehicle of company for disposal of animal by-products don't enter the holding

- No poultry or poultry products have been moved from the affected holding to other *Laender* (except consignment of 16.12.2014 to Saxony-Anhalt), Member States or Third countries

- Source of infection: still unknown

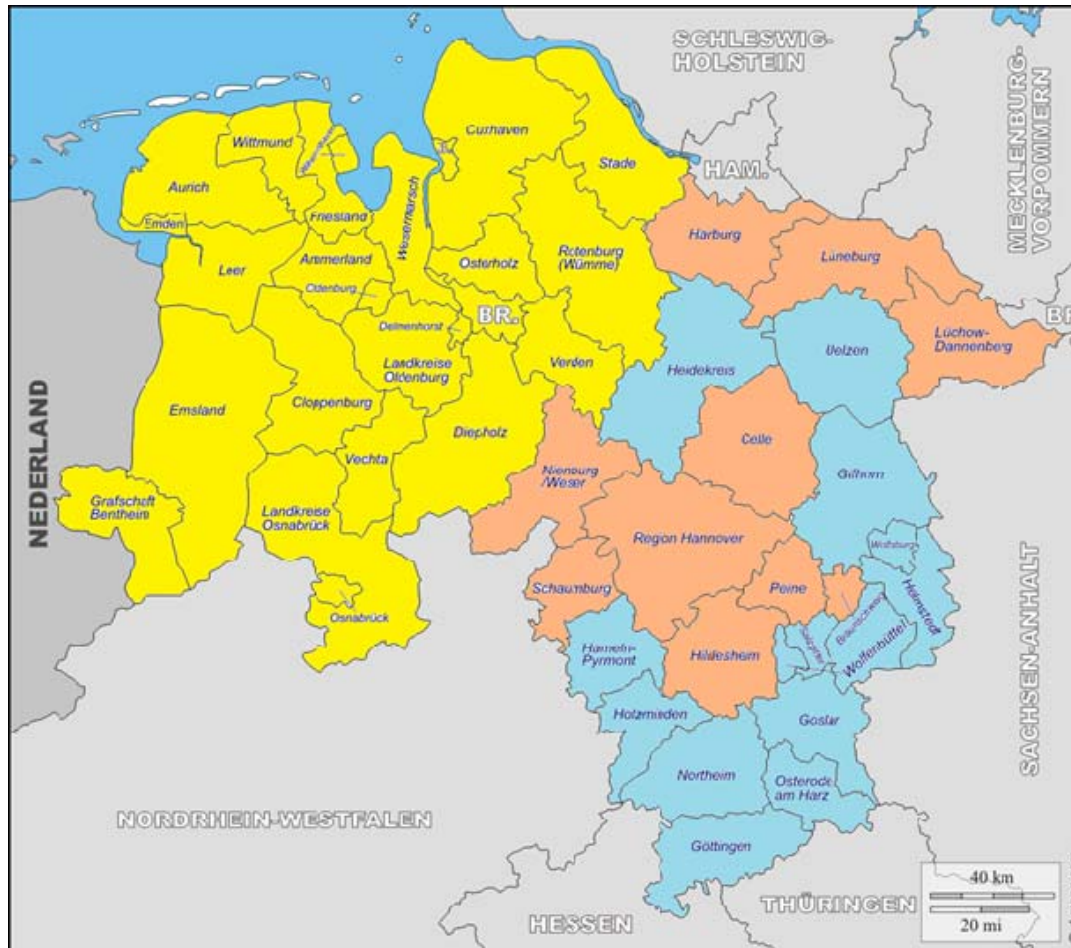
HPAI H5N8, outbreak Neubörger: Epidemiology (2), further measures

- 16.12.: one consignment (8,000 fattening ducks) has been sent for slaughter to a slaughterhouse in Grimme (Saxony-Anhalt)
- all carcasses have been safely disposed of (frequent patho-anatomical changes-Aerosacculitis); samples of carcasses showed AIV positive results.
- Transport vehicle: contact to three other duck holdings: **AIV negative** (clinically checked, virologically sampled)

- Official Order of the competent authorities of Lower Saxony with regard to the housing of poultry



Housing of poultry, Lower Saxony (as of 22.12.2014)



Yellow: whole district

Orange/red: parts of
the district

Blue: no housing

HPAI H5N8, case Neubörger: further measures

BMEL:

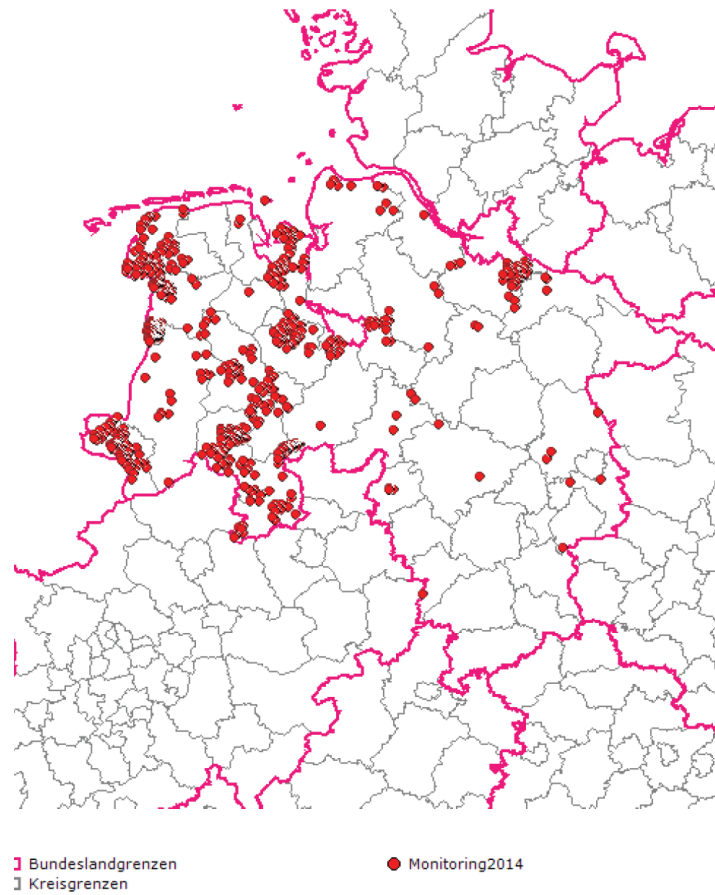
Emergency regulation on restrictions of movements of certain poultry (dated 22.12.2014, valid until 31.03.2015)

(Geflügelverbringungsbeschränkungsverordnung – GeflVerbBeschränkV)

Ducks and geese shall be checked for HPAIV subtype H5 and H7 within a period of 7 days before leaving the holding

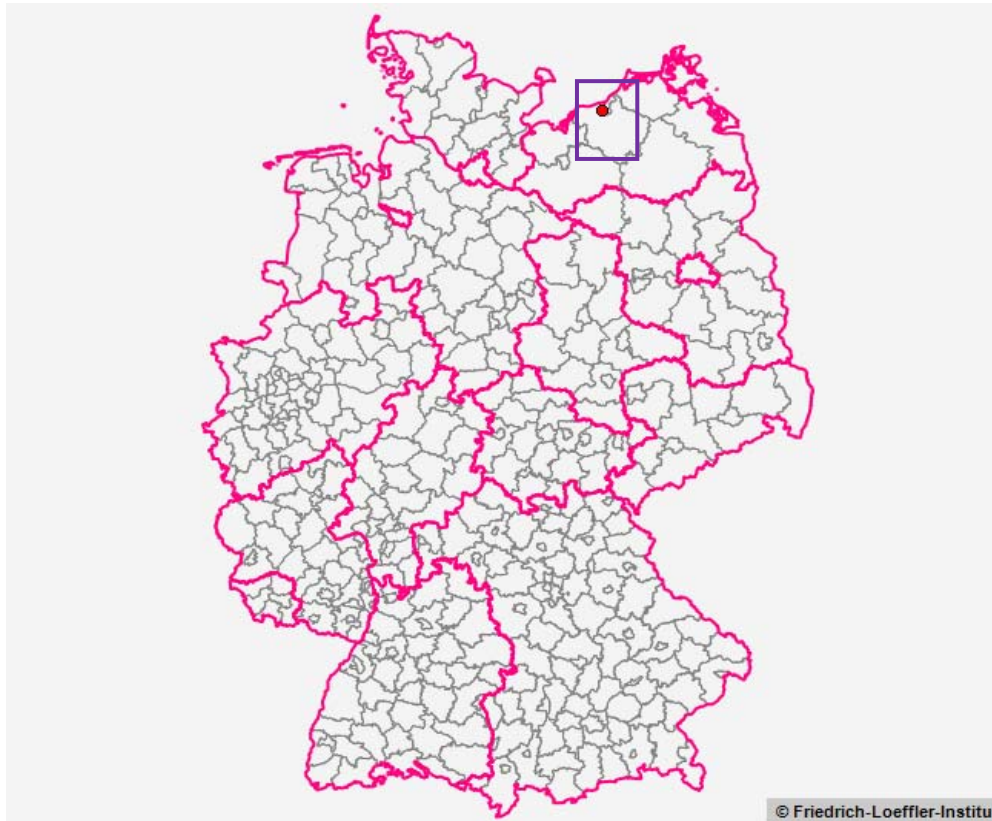
AIV-Monitoring 2014, Lower Saxony

Karte AI-Wildvogelmonitoring Niedersachsen 2014





HPAI H5N8, other captive birds: **outbreak Zoo Rostock (1)**



Zoo Rostock (Mecklenburg-
Western Pomerania):
-495 captive birds of around 80
different species
-Some of them kept inside

HPAI H5N8, other captive birds: outbreak Zoo Rostock (2)

Death of two white stork	03./04.01.
Third white stork dead	05.01.
Land lab (AIV positive)	07.01.
Confirmation (FLI: HPAI H5N8)	07.01. (late)
Holding under restriction, start of epidemiological investigations	08.01.
Separation of the captive birds of the zoo into 8 units	
Affected birds of the unit concerned (9 white stork, 25 ducks, 5 geese) culled and safely disposed of	
Flamingos: ELISA +, PCR – (further sampling)	
Cleansing and disinfection of this unit	10.01.
Sampling of other birds of this unit, kept in the same building and contacted by staff: HPAI H5N8 → 18 birds culled and safely disposed of → cleansing and disinfection of this unit	

No movements of birds or bird products to other *Laender*, Member States
and third countries

HPAI H5N8, other captive birds: outbreak Zoo Rostock (3)

According to Directive 2005/94/EC:

derogations of

-culling of all birds of the zoo

-implementing protection and protection zone

following a risk assessment by the competent authority

Thank you for your attention!!!