



Norwegian Food Safety Authority

OUTBREAK OF HPAI IN POULTRY IN NORWAY

PAFF AHW

29-30 November 2022

Norwegian Food Safety Authority (NFSA)



The first outbreak «Bore» – timeline

- **20 October:** NSFA was notified about suspicion of cat. A disease in a poultry farm with 7000 laying hens in Klepp municipality in southwestern Norway
 - Situated in the surveillance zone for Newcastle disease
 - Increasing mortality
 - Lethargic hens, only slightly reduced feed intake and production
- **Evening of 20 October:** Culling of all poultry in affected establishment, based on strong suspicion of HPAI*
- **21 October: Confirmation of HPAI in affected establishment and establishment of restriction zone***
- **22 October:** Infected zone established in 15 municipalities in Rogaland county
- **24 October:** Preliminary cleaning and disinfection of affected establishment*
- **25 October:** Destruction of hatching eggs by freezing completed

*completed in accordance with provisions of Regulation (EU) 2020/687



Suspicious and investigations

Suspicious of new outbreaks

- 25 October: Neighbouring backyard holding sampled and killed (preventive)
 - 27 October: Negative test result for HPAI
- 2 November: Suspicion in backyard holding with hens and ducks in surveillance zone
 - 2 November: Negative test result for HPAI
- 10 November: Suspicion in establishment with 7500 laying hens, just outside the surveillance zone (Kolnes) - **positive**

The second outbreak «Kolnes» - timeline

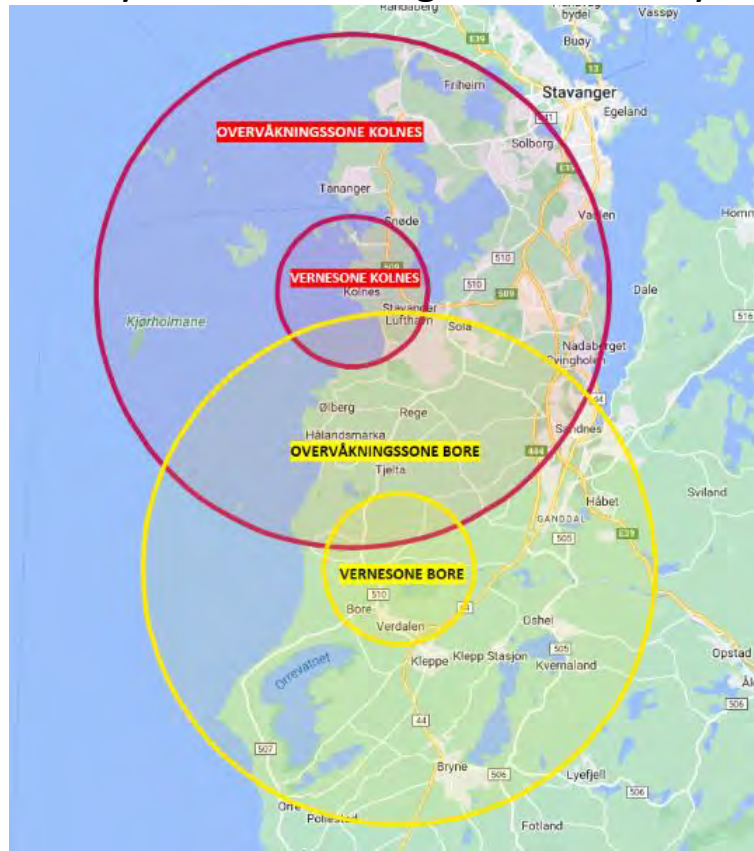
No known direct link to first outbreak in Bore

- **10 November:** NSFA was notified about suspicion Cat. A disease because of increased mortality in a poultry farm with 7500 laying hens in Sola municipality in southwestern Norway
 - Situated just outside the surveillance zone in Bore
 - Hens placed in cages
 - Low overall mortality, only affecting poultry in one area
 - Dead poultry had few other clinical symptoms or signs of disease
 - No major changes in production rates
- **11 November: Confirmation of HPAI in affected farm and establishment of restriction zone***
- **12 November:** Culling of all poultry in affected establishment*
- **15 November:** Preliminary cleaning and disinfection of affected establishment*
- *completed in accordance with provisions of Regulation (EU) 2020/687



Location of the outbreaks

Klepp and Sola municipalities, Rogaland county, Southwest region of Norway



Surveillance zones (10 km) and protection zones (3 km) with primary outbreaks as center. Yellow = first outbreak, Red = second outbreak.

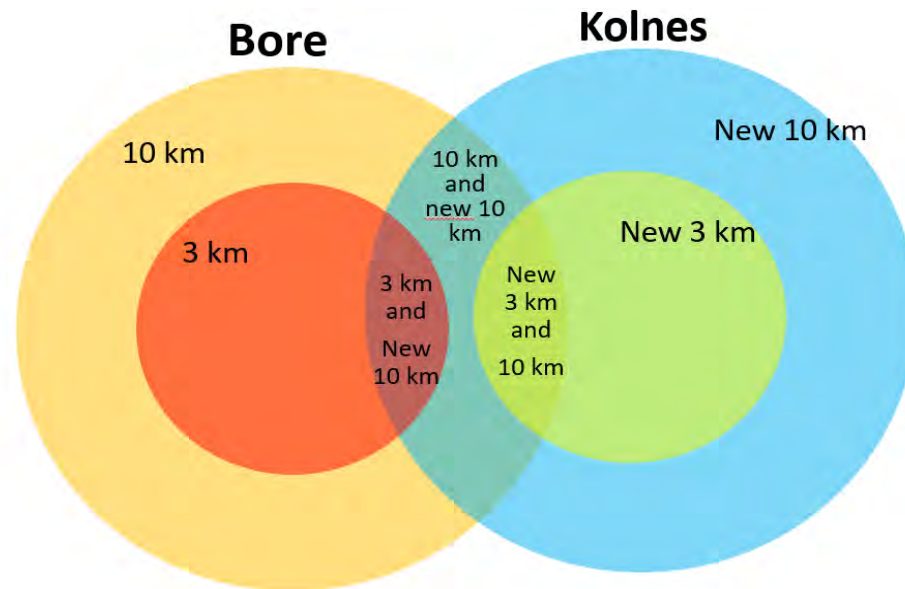
Establishments with birds in the restriction zones

First outbreak Bore	Protection zone	Surveillance zone	Total in restriction zone
Commercial	12	60	72
Non-commercial	15	84	99
Total	27	144	171

Second outbreak Kolnes	Protection zone	Surveillance zone	Total in restriction zone
Commercial	4	28	32
Non-commercial	2	71	73
Total	6	99	105

Establishments in zones that overlap

Overlap	Commercial	Non-commercial	Total
10 km and new 10 km	17	18	35
10 km and new 3 km	0	1	1
3 km and new 10 km	7	5	12
3 km and new 3 km	0	0	0



Official controls and sampling

Protection zones:

- All establishments are controlled.
- All establishments with waterfowl (Anseriformes) are sampled
- All establishments with clinical findings are sampled.

Surveillance zones:

- A representative number of establishments are controlled.
- All establishments with reduced production rate or health status are controlled.
- All controlled establishments with waterfowl (Anseriformes) are sampled.
 - 6 establishments in overlapping zones were sampled once.
- All controlled establishments with clinical findings are sampled.



Samples and test results

Analysis at the Norwegian Veterinary Institute

- Swabs – PCR

The isolated virus from affected establishments is H5N1 clade 2.3.4.4b virus

- Same genotype found in wild birds:
 - Wild seagull, Stavanger municipality
 - Goshawk, Klepp municipality
 - Canada goose, Sandnes municipality
 - Swan, Stavanger municipality

Samples taken in poultry establishments <ul style="list-style-type: none">• 20 laryngeal swabs• 20 cloacal swabs	Protection zone	Surveillance zone	Total	Test results
No. of establishments sampled Bore	2	9	11	Neg.
No. of establishments sampled Kolnes	0	7	7	Neg.



Movements within and in/out of restriction zone

- No movements of poultry from the restriction zones to other countries.
- No movements of poultry products from the restriction zone of first outbreak to other countries.
- Tracing of products from restriction zone of second outbreak (eggs for consumption) still ongoing.
- Restrictions of movements of birds and products from birds from establishments within and in/out of restriction zones in accordance with provisions in Regulation (EU) 2020/687
- Derogations from movement restrictions authorised after separate risk assessment of each case in accordance with provisions in Regulation (EU) 2020/687

Epidemiological investigations and tracing

- Source of the infection is still unknown.
 - The affected establishment of the first outbreak is situated in a wetland area, and infection from wild birds is suspected.
 - Spread from wild birds is possible also in the second outbreak.
 - No known link between the outbreaks.
- Epidemiological investigation and tracing dated back to 3 October (#1) and 20 October (#2).
- Movements of people, vehicles and other equipment to the farms and the livestock establishments are investigated.

Suspicious in other areas of Norway

- **22 November:** Suspicion in an establishment with 7500 laying hens in Stange (star on the map)
 - Negative 23 November
- **23 November:** Suspicion in an establishment with 7500 laying hens in Slitu (cross on the map)
 - Negative 24 November



Duration of disease control measures

Lifting of restriction zones

First outbreak "Bore":

- 12 November 2022: Lifting of protection zone and the area was included in the surveillance zone
- 22 November 2022: Lifting of restriction zone

Second outbreak "Kolnes":

- Planned 8 December 2022: Lifting of protection zone and the area is included in the surveillance zone
- Planned 17 December 2022: Lifting of restriction zone

All in accordance with provisions of Regulation (EU) 2020/687

Closing remark:

The ND outbreak and the two HPAI outbreaks are all in a small area, only about 7,6 and 10,8 km apart. The area has both a high density of poultry establishments and many migratory birds.

-Thank you for the attention-