



## National Sanitary Veterinary and Food Safety Authority of Romania

### Information on Newcastle disease in a commercial indoor broiler farm in Romania

PAFF Committee, 5 December 2014  
Brussels



## Newcastle disease outbreak in a commercial indoor broiler farm, 12.11.2014, Romania, Ialomita County, Smirna locality

Newcastle disease outbreak in a commercial broiler indoor farm;

- Location of the outbreak:  
Ialomița County,  
Smirna locality,  
South of Romania

Longitude: 27.3492

Latitude: 44.7261



# Newcastle disease outbreak in a commercial indoor broiler farm, 12.11.2014, Romania, Ialomita County, Smirna locality



Outbreak holding: Broiler in 3 houses, since 07.10.2014; approximately 32.000 heads/shed

- Initially poultry flock of 96.800 heads

- **First signs** of disease on **1-st** of November, high morbidity and mild mortality. Owner ordered the vaccination instead to notify the LCA.

- **Suspicion** notified on **7-th** of November to SVFSD Ialomita, because of high mortality.

- **Confirmation** at IDAH on **12-th** November 2014; infection with a mezogene/velogene strain. The sequence of aminoacids was found to be SGRRQKRFIG.

- Tests performed: virus isolation and identification of viral genome by RT-PCR;  
- Intracerebral pathogenicity index not determined yet, still pending



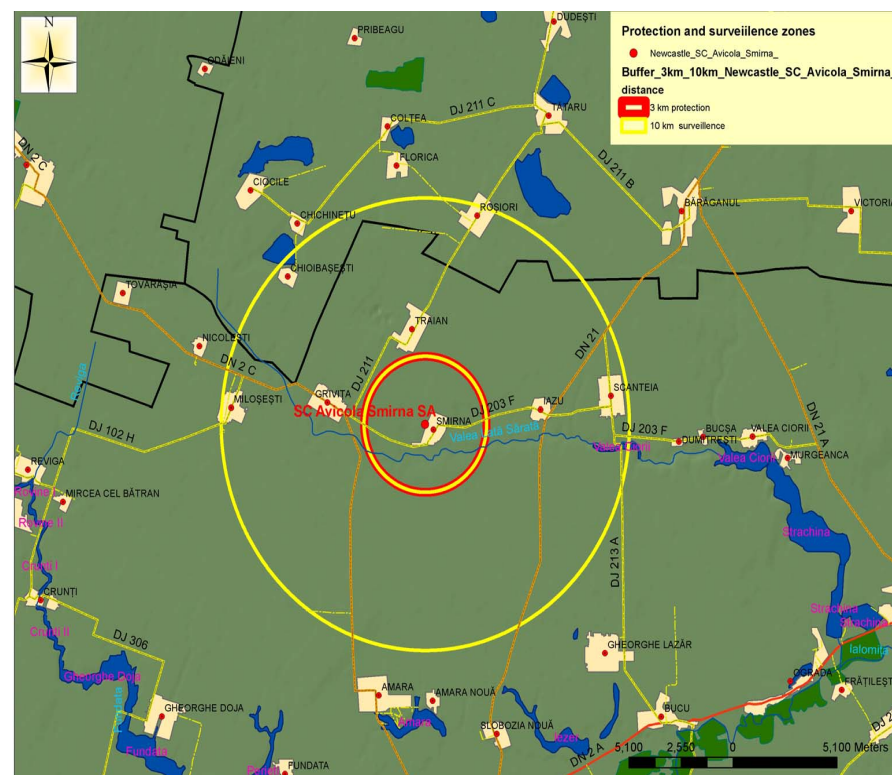
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- Technologically, the flock was vaccinated by aerosols, with live freeze-dried vaccine, La Sota strain (lentogene) as follows: on 07.10.2014, 15.10.2014, 26.10.2014, 02.11.2014 (last time during suspicion, when morbidity and mortality had increased). The antibodies level have not been tested
- First visit of official vet in farm on 07.11.2014, following to notification of suspicion. Movement restriction on flock. Measures at suspicion accordingly with the CD 1992/66/CEE. Sampling and sending to Local Veterinary Laboratory 10 samples (cadavers); anatomo-pathological examination
- Second visit of official vet in farm on 08.11.2014. More sampling (20 samples, cadavers and sets of organs) and sent to NRL; positive result on 12-th of November
- Huge difference observed in number of poultry flock: during night, the owner disposed fraudulent 32.260 heads. Police investigation reveled the poultry was dispatched to a slaughterhouse in Vaslui County.
- The entire quantity of chicken meat resulted was confiscated and destroyed by the County SVFSD Vaslui and the disinfection in the slaughterhouse was ordered.
- Both, the farm owner, and the slaughterhouse owner were drastically penalized with important penalties amounts.



## Newcastle disease outbreak, 12.11.2014, Ialomita County, Smirna locality

- 3 km protection zone: 1 locality (Smirna locality), 160 backyards with poultry
- 10 km surveillance zone including the 3 km protection zone which exceed the administrative limit of the Ialomita County



## Newcastle disease outbreak, 12.11.2014, Romania, Ialomita County, Smirna locality

Poultry holding in the surveillance zone:  
In Ialomita County

- **Milosesti**, 111 backyards with 7928 poultry
- **Grivita**, 299 backyards with 9652 poultry
- **Traian**, 304 backyards with 8031 poultry
- **Iazu**, 311 backyards with 12227 poultry
- **Scanteia**, 726 backyards with 30279 poultry

In Braila county

- **Chioibasesti** 32 backyards with 740 poultry
  - **Rosiori** 585 backyards with 3835 poultry
- No other commercial farms in the restriction zones



## Newcastle disease outbreak, 12.11.2014, Romania, Ialomita County, Smirna locality

- Dead poultry: 52.027 heads, between 1-12-th November
- Poultry dispatched fraudulent to slaughterhouse in 7-th to 8-th November, confiscated and destroyed as poultry meat in a rendering plant: 32.260 heads
- Depopulation in 13-th November: 12.487 heads, disposed and destroyed in a rendering plant
- LCA ordered no trade in live poultry, eggs, poultry products, manure or bedding out of the restriction zones in Ialomita County and on a part of Braila County which enter in the surveillance zone.
- So far cleaning is ready, the manure was collected and destroyed in a rendering plant
- Disinfection is ongoing
- Clinical examinations and inspections in the restriction zones were already finalized.



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- Epidemiology, tracing back: the epidemiological investigation result is not decisive. Due to some breaches in the biosecurity system (aeration holes unprotected) the source of virus could be assigned to the wild birds, possible to sparrows which had access in shelters, by aeration holes. The investigation ongoing
- No other poultry reported as sick or found dead in the area
- Spread/Trace Forward: We have not identified any movement of live poultry, or day old chicks from Romania or other Member States during the high risk period in the restriction zone and in the infected holding. Tracings of people, vehicles was not relevant





We will provide an update during this month with an information report.

Questions?

Thank you very much for your attention!

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