



Two Aujeszky's disease outbreaks epidemiologically linked in France



SCoPAFF
November 2019



First outbreak

- Department of Alpes-de-Haute-Provence (locality of *Saint Martin les Eaux*)
- Outdoor pigs production : 767 fattening pigs
- Serological suspicion of Aujeszky's disease via annual prophylaxis campaign confirmed by official laboratory the 11 april 2019
- No clinical sign



First outbreak

- Epidemiological survey :
 - Biosecurity measures are unsatisfactory in the outbreak-farm
 - 1 farm with downstream epidemiologic link (the 2nd outbreak's farm)
 - 2 farms with upstream epidemiologic link since May 2018
 - 2 pig farms within a 5 km radius of the outbreak (total of 7 pigs)

Clinical examinations and serological analyses are OK

=> Main hypothesis :
infection via wild boar (Aujeszky's disease is present in wild fauna)

First outbreak

- Measures :

- × Building of a fence to prevent intrusion and contact with wild boars (end 06/09/2019)
- × Slaughtering of all animals, in a local slaughterhouse (end 16/08/2019)
- × Cleaning and disinfection (VIRKON®, slaked lime) (end 29/08/2019)
- × Following period : 21 days

=> End of restrictions of movements : **27/09/2019**

- Repopulation :

- × Beginning 02/10/2019
- × Serological survey on 30 animals 21 days after
- × Serological tests all negative

Second outbreak

- Department of Vaucluse (locality of Monteux)
- Small outdoor pigs production : 34 fattening pigs
- Serological suspicion of Aujeszky's disease via annual prophylaxis campaign confirmed by an official laboratory the 16 april 2019
- No clinical sign



Second outbreak

- Epidemiological survey :
 - × Biosecurity : ok
 - × No farm with downstream epidemiologic link
 - × 1 pig farm with upstream epidemiologic link (the first outbreak farm)
 - × 3 pig owners within a 5 km radius of the outbreak (total of 7 pigs)
- Clinical examinations and serological analyses are OK
- This farm bought pigs from the first one

=> Main hypothesis :

contamination of this farm via movements of infected pigs from the first outbreak farm

Second outbreak

- Measures :
 - × Slaughtering all animals, in local slaughterhouse (end 26/04/2019)
 - × Cleaning and disinfecting (VIRKON®, slaked lime) (end 17/05/2019)
 - × Following period : 21 days
- => End of restrictions of movement : **05/06/2019**
- Repopulation :
 - × Beginning 05/06/2019
 - × Serological survey on 30 animals 21 days after
 - × Serological analyses are OK

Conclusions

- Biosecurity measures imposed in farms of suidae by Ministerial Order of 16 October 2018 as part of Aujeszky disease, brucellosis and CSF/ASF prevention.
- Mandatory implementation for investments (fences) before 31/12/2020
- Need to strictly respect measures in all breedings (backyards, outdoors...)