DETECTION AND ERADICATION OF AUJESZKY'S DISEASE IN TWO SUIDAE FARMS LOCATED IN THE FRANCE DEPARTMENTS OF ALLIER (03) AND HAUTES-ALPES (05)
First outbreak - Department of Allier (03)

- Locality of Vieure
- Establishment holding wild boars: 32 breeding animals (sows and boars) and 36 young wild boars
- Serological suspicion of Aujeszky’s disease via the annual prophylaxis campaign
- Outbreak confirmed by NLR the 24 mars 2021
- No clinical sign
First outbreak - Department of Allier (03)

• Epidemiological survey:
  - no downstream or upstream epidemiologic link
  - no suidae farms within a 5 km radius of the outbreak

• Biosecurity in the outbreak-farm: unsatisfactory (standardization being finalized upon discovery of the outbreak)

=> Main hypothesis: infection via wild boar
Second outbreak - Department of Hautes-Alpes (05)

- Locality of Furmeyer
- Small outdoor production of breeder/fattener pigs: 27 adults and 14 piglets
- Serological suspicion of Aujeszky’s disease via the annual prophylaxis campaign
- Outbreak confirmed the 6 April 2021 by departemental analysis laboratory of the department of Ain
- No clinical sign
Epidemiological survey:
- Not related to the first outbreak
- No downstream epidemiologic link
- 1 upstream epidemiologic link => favorable investigation (clinical and serological)
- 3 suidae farms within a 5 km radius of the outbreak => favorable investigations (clinical and serological)

Biosecurity in the outbreak-farm: standards (standardization finalized since November 2019)

⇒ Main hypothesis for explain the infection:
- Via wild boar
- Via old introduction of pigs
- Via human introduction
- Airborne?
Measures taken in the outbreak-farms:

- Ban on swine movements
- Stamping out (end in the first outbreak: 13/04/2021; in the second outbreak: 15/04/2021)
- After the end of the stamping out, before the repopulation:
  - Cleaning / disinfection (in progress)
  - Strengthening of biosecurity measures, in particular of fences (in progress)

Measures taken at the administrative level (Department):

- Disease-free status of the departments of the Allier and the Hautes-Alpes has been suspended in accordance with Terrestrial Animal Health Code of the OIE,
- Restrictions of movements of pigs from the departments towards disease-free areas has been taken in accordance with Commission decision 2008/185/EC (no intra-community trade of infected pigs)

=> Free status may be restored if all pigs in the affected holding were slaughtered

Recovery of disease-free status of Allier and Hautes-Alpes and end of restrictions of movements:

16/04/2021
According to art. 9(2) - 2020/689: The competent authority shall classify an animal or a group of animals, as a confirmed case of a listed disease or of an emerging disease when:

(a) the disease agent, excluding vaccine strains, has been isolated in a sample from an animal or from a group of animals;

(b) an antigen or nucleic acid specific to the disease agent that is not a consequence of vaccination has been identified in a sample from an animal or from a group of animals showing clinical signs consistent with the disease or an epidemiological link with a suspected or confirmed case; or

(c) a positive result from an indirect diagnostic method that is not a consequence of vaccination has been obtained in a sample from an animal or from a group of animals showing clinical signs consistent with the disease or an epidemiological link with a suspected or confirmed case.

Without clinical signs or epidemiological links (active surveillance or surveillance implemented for movements), the only possibility to confirm a suspected case is to isolate the virus:

⇒ Fr considers that this is irrelevant or insufficiently precise for several diseases.

⇒ In particular for Aujeszky's disease, herpesvirus is not detectable during latency period by virus isolation techniques.

⇒ From our reading, the two outbreaks presented today could not have been confirmed by use of AHL (art. 9(2) - 2020/689)? (latency period or delay of several weeks for virus isolation)

⇒ France is working with others members states to suggest to the Commission clarifications for AD confirmation.
THANK YOU FOR YOUR ATTENTION