



Reporting on SARS-CoV-2 as per CID 2021/788

PAFF – Section Animal Health and Welfare

22 September 2021

Unit G2 – Animal Health

Reporting on:

- SARS-CoV-2 in minks and other animals of the family *Mustelidae* and in raccoon dogs
- CID 2021/788 adopted on 12 May 2021.
- Six outbreaks reported by Spain Greece and Sweden.

Spain

- 4 new **SARS-CoV-2 outbreaks** in minks confirmed by RT-PCR:
- **2021/10 to 2021/13** all located in province of A Coruña
- No clinical signs nor fatality in any outbreak
- Control measures:
 - Movement restr. on animals/products/by prod. and census
 - Epidemiological survey
 - Review and enhancement of biosecurity measures
 - Monitoring and clinical follow-up of the animals
- Communication and coordination among **animal health, public health and environmental authorities**



Spain - 2021/10

- Location:
Province: A Coruña
Municipality: Negreira
- Confirmation date: 15 July 2021 (RT-PCR) - based on scheduled surveillance on dead minks.
- Farm with 13.160 minks: 2.100 breeding females and 11.000 juveniles
- Possible source of virus: still being investigated
- Related data on human cases: 4 farm workers have the complete vaccination. However, on July 12th 2021 the Public Health authorities reported that in the control routine carried out on July 9th 2021 one of the workers was PCR pos.

Spain - 2021/11

- Location:
Province: A Coruña
Municipality: Sobrado
- Confirmation date: 12 July 2021 (RT-PCR)
- Possible source of virus: still being investigated
- Farm with 47.500 minks: 7.500 breeding females and 40.000 juveniles
- Related data on human cases: 5 farm workers are subjected to RT-PCR tests on a weekly frequency, with negative results All the workers completed the vaccination schedule with Moderna, having received the second dose between June 21st 2021 and June 25th 2021.

Spain - 2021/12

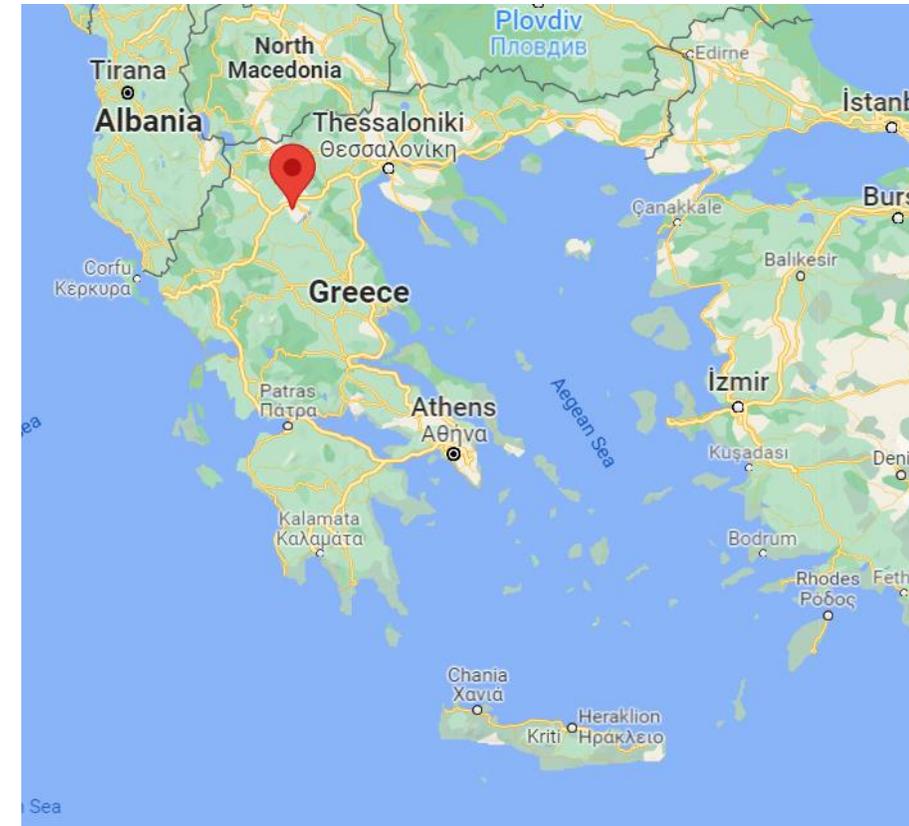
- Location:
Province: A Coruña
Municipality: Abegondo
- Confirmation date: 11 August 2021 (RT-PCR) - based on scheduled surveillance on dead minks.
- Possible source of virus: still being investigated
- Farm with 8.760 minks: 1.760 breeding females and 7.000 juveniles
- Related data on human cases: the farm worker was vaccinated and tested (neg).

Spain - 2021/13

- Location:
Province: A Coruña
Municipality: Curtis
- Confirmation date: 7 September 2021 (RT-PCR)
- Possible source of virus: still being investigated
- Farm with 11.600 minks: 3.100 breeding females and 8.500 juveniles
- Related data on human cases: positive PCR result in one farm worker on samples taken on August 23rd 2021

Greece

- **2 new SARS-CoV-2 outbreaks** in minks confirmed by RT-PCR:
- 2021/24 and 2021/25 both located in the Regional Unit of Kozani
- Both with clinical sings
- Control measures:
 - Movement control / Zoning / Quarantine
 - Vaccination permitted (if a vaccine exists) / No treatment
 - Traceability
 - Surveillance
 - Biosecurity measures
- Communication and coordination among animal health and public health authorities



Greece - 2021/24

- Confirmation date: 13/8/2021 (RT-PCR)
- Farm with 30.000 minks: 4.400 breeding females and 25.600 juveniles
- Possible source of virus: no conclusive evidence
- Clinical signs: increase in daily deaths with respiratory symptoms
- Related data on human cases: all four workers tested negative (PCR) for SARS-CoV-2 and were vaccinated
- Molecular epidemiology: **D614G** mutation was identified (mutation that defines the predominant clades present in Europe), **N501T** mutation was present in 1 sequence its role needs to be further investigated.

Greece - 2021/25

- Confirmation date: 30/8/2021 (RT-PCR)
- Farm with 14.200 minks: 2.700 breeding females and 11.500 juveniles
- Possible source of virus: no conclusive evidence, transmission from infected worker is suspected (one worker was recently hired and vaccinated with the first dose, he tested positive)
- Clinical signs: significant reduction of feed intake, increase in daily deaths with half of the animals showing respiratory symptoms
- Molecular epidemiology: **D614G** mutation was identified (mutation that defines the predominant clades present in Europe), **N501T** mutation was present in 1 sequence its role needs to be further investigated.

Sweden

- **1 new SARS-CoV-2 outbreaks** in minks confirmed by RT-PCR:
- 2021/1 located in the Skara municipality
- No clinical sings
- Control measures:
 - Movement control
 - official disposal of carcasses, by-products and waste;
 - official destruction of animal products
 - Surveillance
 - No treatment of animals
 - Traceability
 - Strict biosecurity measures



Sweden

- Confirmation date: 19/8/2021 (RT-PCR)
- Farm with 11.000 minks
- Possible source of virus: no conclusive evidence, transmission from infected people is considered likely
- Molecular epidemiology: the virus belongs to sub-lineage B1.1.464 which has previously been described from at least 14 countries globally

Thank you



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