

About this dossier

Output on: 2021/04/30 23:35
(Europe/Luxembourg)

Status: closed (submitted)

Created: 2021/04/06 13:20

Last updated: 2021/04/30 14:38

Eradication: Final report for Transmissible Spongiform Encephalopathies 2020

For each approved annual or multi-annual programme Member States shall submit to the Commission by the 30 April each year an annual detailed technical and financial report covering the previous year. That report shall include the results achieved and a detailed account of eligible costs incurred (Art 14 of Regulation (EU) No 652/2014).

ID: 20210406-BZIAK2GD

Country code: PT

Reporting period

From: 2020

To: 2020

Year of implementation: 2020

Contact Person

First name: Ana

Last name: Nunes

Email: ana.nunes@dgav.pt

Job title: Head of Epidemiology and Animal Health Unit

1. Technical implementation of the programme

1.1 Description and evaluation of the evolution of the epidemiological situation, the technical implementation of the activities foreseen under the programme and the cost-effectiveness of the programme.

A. Evolution of the epidemiological situation

A.1. Bovine Spongiform Encephalopathy

The first detection of Bovine Spongiform Encephalopathy in Portugal occurred in 1990.

By the end of 2020, 1089 cases were diagnosed, from which 650 were clinical suspects and 439 were detected under the active surveillance programme. The last case was detected in 2014 on an animal born before the implementation of the feedban. No cases were detected in 2020. Please see attached file "BSE_evolution_2020."

A.2. Scrapie

Scrapie was first detected in Portugal in December 2003 and several cases were diagnosed in the following years. The vast majority of these were Atypical Scrapie cases. Concerning the evolution of Scrapie

epidemiological situation, please see attached file "Scrapie_Evolution_2020"

In 2020 a total of 24 Scrapie cases were found:

Sheep: 5 cases of Classical Scrapie and 18 cases of Atypical Scrapie;

Goats: 1 case of Atypical Scrapie.

The geographic distribution of these cases was the following:

Atypical Scrapie in sheep – 5 in Norte, 6 in Centro, 7 in Alentejo;

Classical Scrapie in sheep: 5 in Centro; of these only 1 was an index case. Of the remaining 4 cases, two were cohorts of the 2019 classical scrapie case and the other 2 were cohorts of 2020 classical index case.

Atypical Scrapie in goats: 1 in Norte.

Please see attached files "Scrapie_cases_2020" and "Scrapie_cases_2020_map".

B. Implementation of the activities

B.1. Bovine Spongiform Encephalopathy (BSE)

The BSE Surveillance, Control and Eradication Programme is implemented in Portugal since 1996. The programme includes 2 types of surveillance:

Passive surveillance – investigation of clinical suspicions of BSE: In 2020, 14 bovines were tested as clinical suspects and all these tests were negative.

Active surveillance – the 2020 programme was carried out according to planned activities and annex III of Regulation 999/2001 and its amendments. A total of 17.051 samples were tested, distributed throughout the country and the following target groups: 14. 729 fallen stock, 1299 emergency slaughtered animals, 1023 animals showing clinical signs (non-BSE) at ante-mortem examination. All samples were negative.

However, 12 bovine animals tested under active surveillance were under 48 months of age, hence, these tests are not eligible for cofinancing by the Commission.

Please see attached file BSE_Surveillance2020.

B.2. Scrapie

The Scrapie Surveillance, Control and Eradication Programme also includes passive and active surveillance activities.

Passive surveillance – there were no clinical suspicions of Scrapie in 2019.

Active Surveillance – target groups were tested in accordance to Annex III of Regulation 999/2001 and its amendments; sheep and goat sampling was representative of each region and a total of 20.910 sheep and 1.592 goats were tested. As stated above 24 scrapie cases were detected in 2019: 5 classical cases in sheep, 18 atypical cases in sheep and 1 in goats. Please see attached file "Scrapie_Surveillance_2020".

A total of 25 confirmatory tests were carried out in small ruminants: 23 western blot and 2 immunohistochemistry assays. One classical scrapie positive sample was confirmed by western blot and by immunohistochemistry, that is, 2 confirmatory tests were carried out in this sample.

Three discriminatory western blot were carried out in classical scrapie positive samples but only one of these was carried out in an index case. Therefore, according to annex X of Regulation n.º 2001/999, chapter C, n.º 3.2, item c), only this last test is eligible for cofinancing by the Commission.

Genotyping of positive cases was carried out and four codons were analysed (136, 141, 154 and 171) and the most frequent genotype was AFRQ/AFRQ. The number of genotyping tests is higher than the number of 2020 scrapie cases because several 2019 cases were also genotyped in 2020.

Please see attached file Scrapie_cases_2020".

1.2 Details on the level of achievement of the targets set in the approved programme and technical difficulties.

Targets were generally achieved according to the approved programme and the provisions of Regulation 999/2001 and its amendments. However, a decrease in the number of ovines slaughtered for human consumption was observed due to Covid-19 lock-down measures. Therefore, a total of 4950 animals were tested in this active surveillance group instead of 5000.

1.3 Epidemiological maps for infection and other relevant data on the disease/activities (information on serotypes involved,...) (Please attach files of data using the PDF attachment feature) Use the textbox below to provide clarifications for the maps you attach, if needed.

A map of Scrapie cases distribution is attached to this report. Graphs showing the evolution of the epidemiological situation of BSE and Scrapie are also attached.

2. Tables for TSE monitoring outcome of the year

VERY IMPORTANT: Please fill out the following tables with figures corresponding to measures performed during the implementing period (1/1 to 31/12).

NB: the Regulation (EC) No 999/2001 is thereafter quoted as the TSE Regulation.

Table A

Total positive cases detected during the implementing period
--

	Classical cases	Atypical cases	Unknown
TSE	0	0	0
Scrapie (ovine animals)	5	18	0
Scrapie (caprine animals)	0	1	0

Table B

RAPID TESTS ON BOVINE ANIMALS		
	Age limit applied (in months)	Number of tests cases
Risk bovine animals from MSs listed in Annex to Decision 2009/719/EC	48	17,051
Risk bovine animals from MSs NOT listed in Annex to Decision 2009/719/EC	24	0
Healthy slaughtered bovine animals from MSs listed in Annex to Decision 2009/719/EC	72	0
Healthy slaughtered bovine animals from MSs NOT listed in Annex to Decision 2009/719/EC	30	0
Suspect animals and confirmatory tests		14
Total		17,065

Table C

Population of ewes and ewe lambs put to the ram in the Member State

1895759

RAPID TESTS ON OVINE ANIMALS	
	Number of tests
Healthy slaughtered ovine animals	4,950
Dead ovine animals	15,318
In the context of measures of control/eradication on holdings affected by TSE as described in Annexes III and VII of the TSE regulation	
Ovine animals from holdings affected by classical scrapie	269
Ovine animals from holdings affected by atypical scrapie	373
Ovine animals from holdings affected by BSE	0
Suspect animals	0
Total number of tests	20,910

Table D

Population of goats which have already kidded and goats mated in the Member State

312106

RAPID TESTS ON CAPRINE ANIMALS	
	Number of tests
Healthy slaughtered caprine animals	0
Dead caprine animals	1,578
In the context of measures of control/eradication on holdings affected by TSE as described in Annexes III and VII of the TSE regulation	
Caprine animals from holdings affected by classical scrapie	0
Caprine animals from holdings affected by atypical scrapie	14
Caprine animals from holdings affected by BSE	0
Suspect animals	0
Total number of tests	1,592

Table E

Confirmatory and discriminatory tests	
	Number of tests
Confirmatory tests other than rapid tests on bovine animals	0
Confirmatory tests on ovine and caprine animals	25
Discriminatory tests on bovine animals	0

Discriminatory tests on ovine and caprine animals	3
Total number of confirmatory tests	25
Total number of discriminatory tests	3

Table F

Genotyping tests	
	Number of tests
Positive TSE case	29
Randomly selected ovine animals	0
Animals in scrapie infected flocks	301
Breeding programme - ewes	0
Breeding programme - rams	0
Total of number of tests	330

Table G

COMPENSATION FOR ANIMALS In the context of suspicion, control and eradication of TSEs	
Animals culled and destroyed	Number of animals compensated
Bovine animals	0
Ovine animals	0
Caprine animals	0
Animals slaughtered	Number of animals compensated
Ovine animals	0
Caprine animals	0
Total Bovine	0
Total Ovine + Caprine	0

3. FINANCIAL DATA - REIMBURSEMENT CLAIM

VERY IMPORTANT : for financial data, please report only the eligible costs incurred (VAT excluded) i.e. the measures (and their related costs) performed during the implementing year and paid from the State budget before the date of submission of this form. All costs shall be reported in Euro. If needed, the exchange rate(s) shall be detailed in the dedicated table below.

Costs related to	Eligible measures	Number of units	Total cost actually incurred	Ceiling per unit	Total cost after ceiling	Unit cost	Total	CFR (%)	Amount expected to be claimed
Testing	Rapid tests on bovine animals born in MSs listed in CD 2009/719 Risk animals	17,053				11.75	200,372.75	75	150,279.56
Testing	Rapid tests on bovine animals not born in MSs listed in CD 2009/719 Healthy slaughtered animals	0				11.75	0	75	0
Testing	Rapid tests on bovine animals not born in MSs listed in CD 2009/719 Risk animals	0				11.75	0	75	0
Testing	Rapid tests on suspect bovine animals	14				11.75	164.5	75	123.38
Testing	Rapid Tests - ovine	20,910				11.75	245,692.5	75	184,269.38
Testing	Rapid Tests - caprine	1,592				11.75	18,706	75	14,029.5
Testing	Primary molecular tests	1				35.61	35.61	75	26.71
Testing	Confirmatory Tests in Bovines	0				35.61	0	75	0
Testing	Confirmatory Tests in Ovines and Caprines	25				35.61	890.25	75	667.69
Testing	Genotyping test - monitoring and eradication measures	301				35.11	10,568.11	75	7,926.08
Testing	Genotyping test - TSE cases	29				35.11	1,018.19	75	763.64
Compensation	Ovine and caprine animals -	499	48,447.08	100	48,447.08			75	36,335.31

	compulsory slaughter							
Total - Compensation		499	48,447.08		48,447.08			36,335.31
Total - Testing		39,925					477,447.91	358,085.93
Total - Amount claimed								394,421.24

Comment/additional clarification

Financial Report refers only payed testing/compensation

Attached files

File name	File description	File type	File size	Date updated
BSE_evolution_2020.pdf		binary/pdf	243 kB	2021/04/19
BSE_surveillance_2020.pdf		binary/pdf	379 kB	2021/04/19
Scrapie_cases_2020.pdf		binary/pdf	106 kB	2021/04/19
Scrapie_cases_Map.pdf		binary/pdf	141 kB	2021/04/19
Scrapie_Evolution_2020.pdf		binary/pdf	84.4 kB	2021/04/19
Scrapie_Surveillance_2020.pdf		binary/pdf	446 kB	2021/04/19