

About this dossier

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Eradication: Final report for Rabies 2019

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).

This form is for information only, no submission possible.

ID: 20200423-V4UXLBHM

Country code: RO

Reporting period

From: 2019

To: 2019

Year of implementation: 2019

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.

For 2019, the Programme of Monitoring, Control and Eradication of rabies was applied on the entire territory of Romania, according to the Strategic Plan of the National Sanitary Veterinary and Food Safety Authority.

The objectives of the programme comprise :

- surveillance of rabies in wild animals population in Romania
- control of rabies in fox population in Romania
- monitoring of oral vaccination in fox population in Romania
- efficiency of vaccination
- passive surveillance of rabies in the population of domestic and wild animals.

Actions undertaken for the fulfillment of the objectives:

- oral vaccination of foxes by airplane distribution in order to obtain a territory free of rabies;
- monitoring of evolution of rabies correlated with the plan for application of vaccination and the results obtained;
- control of the application of vaccination plans and evaluation of its effectiveness;
- collection of data, their proper registration, their statistic and informatics procession and their presentation in proper forms in order to be used in the practice of control and eradication of rabies in Romania;

- the contractor for aerial distribution provides to the competent authority the recorded flight routes and the encrypted data of the distributed baits at the end of each distribution day.
- the competent authority will control the correct application of the aerial distribution during its implementation, also by checking the recorded flight routes and bait release data. The contractor will be obliged to perform supplementary distribution flights if insufficient coverage is identified.
- vaccination of domestic animals in case of an outbreak;
- compulsory vaccination of dogs and cats; identification and registration of dogs and cats
- monitoring of animal movements in conformity with CE Reg. no.576/2013 regarding animal health requirements regulating trade and imports of animals, semen and embryos in Community that are not subject to animal health requirements established by the Community norms provided in Annex A, point I to Directive 90/425/EEC.

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

During 2019, the situation of rabies cases in Romania was the following:

total 4 cases of rabies diagnosed in 3 different regions; 3 cases in wild species, 2 foxes and 1 wild boar and 1 domestic cattle.

Regarding the passive surveillance, were tested by FAT a number of 375 foxes and 56 other wild species and a number of 478 domestic animals.

The Programme of oral rabies vaccination of foxes in 2019 was performed according to the national legislation and EU legislation, in the whole country, in two vaccination campaigns, in spring and in autumn, mostly by plane distribution, 25 baits/ campaign/km² with a distance between flight lines of 500 meters and 150 meters altitude, by avoiding the territories of localities, water surfaces, highways.

The spring oral vaccination campaign was performed between 11.06.2019 and 09.07.2019 and the autumn vaccination campaign and the average number of baits distributed per km² was 25.

Before starting the vaccination campaigns were organised awareness campaigns, for that reason were distributed all over the country a number of 142150 posters during each campaign.

After receiving the rabies oral vaccine baits there were taken a number of 533 samples for laboratory testing and were performed 26 virus titration from these samples and all the batches were met the requirements.

The number of baits aerial distributed was 10 668 217 and a number of 150800 baits were distributed manually, at dens, each county received a number of baits for the vaccination in the hunting grounds from its area.

At a 45 days' time following each vaccination campaign, there have been performed the hunting of 4 foxes /year/100 km² in order to assess the efficiency of vaccination.

For 2019, the level of sampling of the foxes after the aerial distribution of baits was 8128 samples from 8535 which was established.

After performing the laboratory tests that have been obtained the following results:

Total samples 820, for tetracycline detection 6355 were positive = 75 % baits uptake; from 7451 samples for antibody detection by ELISA, 2389 showed positive results, about 28,6% serconversion.

The rabies oral vaccination in buffer zones with Moldavia and Ukraine was not performed during 2019.

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.

2019 rabies outbreaks

ANNEX VI TECHNICAL REPORT ON RABIES PROGRAMMES

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

Table A1 - TEST FOR THE MONITORING OF VACCINATION EFFECTIVENESS

Region	Species and age	Type of test	Test description	Number of tests	Number positive	% positive
Romania	Foxes adult	Serological	VNT/FAVN/ELISA	5,917	2,039	34.46 %
Romania	Foxes juvenile	Serological	VNT/FAVN/ELISA	1,534	350	22.82 %
Romania	Foxes adult	Biomarker	Tetracycline in bones	6,508	5,153	79.18 %
Romania	Foxes juvenile	Biomarker	Tetracycline in bones	1,697	1,202	70.83 %
Total				15,656	8,744	55.85 %

Table A2 - SURVEILLANCE TESTS

Region	Animal species	Category	Test description	Number of	Number of
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				tests	cases
Romania	Foxes	Active	Fluorescent antibody test (IF)	8,223	1
Romania	Foxes	Passive	Fluorescent antibody test (IF)	375	1
Romania	Wolves	Passive	Fluorescent antibody test (IF)	4	0
Romania	Jackals	Passive	Fluorescent antibody test (IF)	15	0
Romania	Other wilds carnivores	Passive	Fluorescent antibody test (IF)	24	0
Romania	Other species	Passive	Fluorescent antibody test (IF)	12	1
Romania	Dogs	Passive	Fluorescent antibody test (IF)	158	0
Romania	Cats	Passive	Fluorescent antibody test (IF)	57	0
Romania	Domestic ruminants	Passive	Fluorescent antibody test (IF)	261	1
Romania	Pigs	Passive	Fluorescent antibody test (IF)	2	0
Total				9,131	4

Number of rabies virus isolates typed for differentiation from vaccine		4
Typing results (please indicate the number of field strains/vaccine strains, and (optional) comment)	Field strain	

Table B - WILDLIFE ORAL VACCINATION

Aerial distribution data files:

Downloadable via URL	
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Description of the analysis performed by the Competent Authority on the aerial distribution data and conclusions of the assessment for the quality of the distribution:

The number of baits aerial distributed was 10 668 217; 5334128 during the spring campaign and 5 334 089 during the autumn campaign. Also it was performed a manual distribution of baits, 150800 baits for the whole year, at dens, each county received a number of baits for the vaccination in the hunting grounds from its area.

In the label attached, for the autumn campaign baits distributed, from 5 346267 baits registered, 5 334089 were actually claimed, according to the contract. The flight routes and the bait release data for 2019 due to their size will be send using the platform we transfer.

Start date of First Campaign	11/6/2019	End date of First Campaign	9/7/2019
Start date of Second Campaign	23/9/2019	End date of Second Campaign	2/11/2019

Region/Area	Product used	Number of doses	Size of vaccinated area (km ²)	Distribution method
Romania	Lysvulpen	10,668,217	213,375	Aerial
Romania	Lysvulpen	150,800	3,015	Manual
Total		10,819,017	216,390	

Table C - OFFICIAL CONTROL OF ORAL VACCINES BEFORE THEIR DISTRIBUTION

Number of batches distributed	Number of batches controlled by CA	Number of batches rejected
26	26	0

Batch number	Manufacturer	Sampling date	Virus titration result	Outcome of the titration
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COMMENT / ADDITIONAL CLARIFICATION

The total amount for baits distribution (Euro [REDACTED]) is calculated from the amount of Euro [REDACTED] is for aerial distribution from the service provider invoice and the amount of Euro [REDACTED] is for the manual distribution from the invoices received from the SanitaryVeterinary and Food Safety County Directorates.

The flight routes and the bait release data for 2019 due to their size will be send by email if possible or using the platform we transfer.