

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: 20200417-TW8Z6WDK

Country code: HR

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.

Rabies eradication programme in Croatia is in place since 2011. In that period, measure of vaccination and testing of wild animals (red fox) was co-financed by IPA funds. Due to fact that Croatia joined EU on July 1st 2013, co-financing of rabies eradication programme continued till the end of 2013 through IPA funds. On 5th of February 2014, during regular hunting activities, three foxes were shot, and sampled for the purpose of control of immunization of foxes against rabies. One out of three sampled animals tested positive, and rabies was confirmed.

Since that there were no confirmed cases of rabies in Croatia, neither in wildlife or domestic animals. There were no technical difficulties during implementation of eradication program. Both distribution campaigns were completed successfully.

Aerial distribution of vaccine baits during spring campaign 2019 has been successfully implemented from 4 airports (Brač, Rijeka, Osijek and Varaždin) from 15-23 March 2019. Total number of distributed vaccine baits during the spring campaign 2019 was 1.328.400 baits.

Aerial distribution of vaccine baits during autumn campaign 2019 has been successfully implemented from 4 airports (Brač, Rijeka, Osijek and Čakovec) from 17 - 22 September 2019. Total number of distributed vaccine baits during the autumn campaign in 2019 was 1.331.709 baits.

During spring campaign due to error occurred with packaging of vaccine at manufacturer site 4525 bats less was distributed. The difference between total number of vaccine baits planned to be distributed and

actually distributed number during the autumn campaign is 1.216 baits. This difference occurred due to technical reasons and due to sampling of vaccine for titration testing, 50 vaccine baits were sampled and 1 166 vaccine baits due to technical reasons were not counted by the distributing devices.

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

Lack of samples for monitoring from certain counties is still present, but increased number of samples collected during the passive surveillance was collected.

Detail education as well as written information were given to hunters and authorised veterinary organisations on sampling for the purpose of active and passive surveillance.

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.

Raw data and maps related to bait density and testing results are attached to the document

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
Croatia total	Foxes adult	Biomarker	Tetracycline in bones	718	670	93.31 %
Croatia total	Foxes adult	Serological	Fluorescent antibody test (IF)	729	0	0 %
Croatia total	Foxes adult	Serological	VNT/FAVN/ELISA	739	144	19.49 %
Croatia total	Foxes juvenile	Biomarker	Tetracycline in bones	115	82	71.3 %
Croatia total	Foxes juvenile	Serological	Fluorescent antibody test (IF)	125	0	0 %
Croatia total	Foxes juvenile	Serological	VNT/FAVN/ELISA	59	12	20.34 %
Croatia total	Golden jackal	Biomarker	Tetracycline in bones	74	64	86.49 %
Croatia total	Golden jackal	Serological	Fluorescent antibody test (IF)	74	0	0 %
Croatia total	Golden jackal	Serological	VNT/FAVN/ELISA	69	5	7.25 %
Total				2,702	977	36.16 %

Table A2 - SURVEILLANCE TESTS

Region	Animal species	Category	Test description	Number of tests	Number of cases
Croatia total	Cats	Passive	Fluorescent antibody test (IF)	102	0
Croatia total	Cats	Passive	PCR	21	0
Croatia total	Dogs	Passive	Fluorescent antibody test (IF)	80	0
Croatia total	Dogs	Passive	PCR	16	0
Croatia total	Domestic ruminants	Passive	Fluorescent antibody test (IF)	17	0
Croatia total	Domestic ruminants	Passive	PCR	1	0
Croatia total	Equidae	Passive	Fluorescent antibody test (IF)	2	0
Croatia total	Foxes	Passive	Fluorescent antibody test (IF)	359	0
Croatia total	Jackals	Passive	Fluorescent antibody test (IF)	17	0
Croatia total	Badger	Passive	Fluorescent antibody test (IF)	37	0
Croatia total	Bear	Passive	Fluorescent antibody test (IF)	3	0
Croatia total	Marten	Passive	Fluorescent antibody test (IF)	45	0
Croatia total	Weasel	Passive	Fluorescent antibody test (IF)	1	0
Croatia total	Wild boar	Passive	Fluorescent antibody test (IF)	4	0
Croatia total	Other species	Passive	Fluorescent antibody test (IF)	39	0
Croatia total	Other species	Passive	PCR	4	0
Total				748	0

Number of rabies virus isolates typed for differentiation from vaccine

0

Typing results (please indicate the number of field strains/vaccine strains, and (optional) comment) 0

Table B - WILDLIFE ORAL VACCINATION

Aerial distribution data files:

Downloadable via URL

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:

Competent authority analysed distribution data related to number of baits distributed and results were satisfactory. No of baits distributed was monitored on daily basis . Data on areal distribution such are control of flight routes, real time controls, distribution near large cities were controlled and satisfactory. During distribution veterinary inspection performed official controls at the airports of distribution according to Annual official control plan.

Start date of First Campaign	15/3/2019	End date of First Campaign	23/3/2019
Start date of Second Campaign	17/9/2019	End date of Second Campaign	22/9/2019

Region/Area	Product used	Number of doses	Size of vaccinated area (km ²)	Distribution method
Croatia total	Lysvulpen	2,660,109	53,284	Aerial
Total		2,660,109	53,284	

Table C - OFFICIAL CONTROL OF ORAL VACCINES BEFORE THEIR DISTRIBUTION

Number of batches distributed	Number of batches controlled by CA	Number of batches rejected
8	8	0

Batch number	Manufacturer	Sampling date	Virus titration result	Outcome of the titration
3625, 3725, 3825	Bioveta	6/3/2019	HVI Z-6799/2019	Acceptable
8426	Bioveta	10/9/2019	HVI Z-26213/2019	Acceptable
8326	Bioveta	10/9/2019	HVI Z-26214/2019	Acceptable
3825	Bioveta	10/9/2019	HVI Z-26215/2019	Acceptable
8426	Bioveta	13/9/2019	HVI Z-26726/2013	Acceptable
8526	Bioveta	13/9/2019	HVI Z-26727/2019	Acceptable

COMMENT / ADDITIONAL CLARIFICATION

Detail information on testing results done per county and each test used attached are to this report in the excel table.