

## About this dossier

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## Eradication: Final report for Avian Influenza 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: 20200415-NFCR3JMD

**Country code:** PT

### 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.

The Avian Influenza Surveillance Programme was carried out according to planned and following the rules foreseen in Commission Decision 2010/367 on the implementation by Member States of surveillance programmes for avian influenza in poultry and wild birds. Surveillance in poultry was done according to point 2.2 of annex I of the previously mentioned decision - Surveillance based on a representative sampling. Regarding wild birds, rules set out in annex II were followed.

Sampling within the avian influenza surveillance program began in January 2019, both in poultry and in wild birds. During 2019 no avian influenza outbreaks were detected in Portugal.

#### 1.1.1 - Poultry

##### Active surveillance:

In the scope of active surveillance, the specific groups of holdings were selected considering the necessary distribution in the territory and tested accordingly.

A total of 350 poultry holdings were tested and 5072 samples were analysed, all with negative results. The number of tested samples is inferior to the number of sampled birds due to 3 samples that were considered unsuitable for testing (1 of chicken breeders and 2 of laying hens). A total of 4467 ELISA tests were carried out in the following poultry categories: chicken breeders, laying hens, free range laying hens,

free range/at heightened risk broilers, fattening turkeys, duck breeders and fattening ducks. Due to technical and practical constraints game birds, both gallinaceous and waterfowl, ratites and backyard flocks were tested by RT-PCR and, therefore, no co-funding is requested for this testing. A total of 605 samples were tested by RT-PCR corresponding to 125 tests of pooled samples - maximum of 5 samples of same species and holding/pool.

### 1.1.2 - Wild birds

Passive surveillance:

During the same period, 84 wild birds were tested by passive surveillance, totalizing 146 samples corresponding to 131 RT-PCR tests. All wild birds were negative and the distribution of sampling by region was the following:

Centro - 5 birds

Lisboa e Vale do Tejo - 3 birds

Algarve - 52 birds

Açores - 24 birds

### 1.1.3 - Passive surveillance in captive birds:

A total of 7 samples were tested, totalizing 2 RT-PCR tests, concerning avian influenza clinical suspicions on captive birds (ducks and diamonds doves).

All laboratory testing was carried out at the Instituto Nacional de Investigação Agrária e Veterinária (INIAV), which is the national reference laboratory for avian influenza. For practical and financial convenience, the samples for virological tests were, whenever possible, grouped into pools (maximum of five samples, always of the same species, date and epidemiological unit) and, therefore, the total number of virological tests carried out is lower than the total number of samples tested.

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

In general, programme activities were carried out according to planned and no technical difficulties were reported.

## 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.

According to the legal provisions, Portugal submitted the intermediate results of 2019 of surveillance for avian influenza, poultry and wild birds, via the Commission's online reporting system. In attachment, maps showing geographical distribution of poultry and wild birds sampling are included as well as higher risk areas are included. Please see files: "AI\_sampling\_poultry", "AI\_sampling\_wild\_birds" and "HIGHER-RISK\_AREAS".

## 2. TECHNICAL IMPLEMENTATION OF THE PROGRAMME ON AVIAN INFLUENZA

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

In the column "Total number of samples taken", please put 0 if the same samples have already been counted for another laboratory analysis (example : for HI-H5 and HI-H7 test, only 1 sample should be counted).

**Table A - POULTRY HOLDINGS SAMPLED : SEROLOGICAL INVESTIGATION ACCORDING TO ANNEX I TO COMMISSION DECISION 2010/367/EU**

Poultry category	NUTS2 Code	Total number of holdings	Total number of holdings sampled	Number of samples per holding	Total number of samples taken	Methods of laboratory analysis	Total number of tests performed per method
Chicken breeders	PT11-Norte	7	6	20	120	ELISA test	120
Chicken breeders	PT16-Centro	36	20	20	390	ELISA test	389
Chicken breeders	PT17-Lisboa e Vale do Tejo	27	14	20	280	ELISA test	280
Chicken breeders	PT20-Açores	2	1	20	20	ELISA test	20
Chicken breeders	PT30-Madeira	1	1	20	20	ELISA test	20
Laying hens	PT11-Norte	9	5	20	100	ELISA test	100
Laying hens	PT16-Centro	74	35	20	700	ELISA test	698
Laying hens	PT17-Lisboa e Vale do Tejo	25	12	20	250	ELISA test	250
Laying hens	PT18-Alentejo	1	1	20	10	ELISA test	10

Laying hens	PT20-Açores	7	3	20	60	ELISA test	60
Laying hens	PT30-Madeira	2	2	20	40	ELISA test	40
Free range laying hens	PT16-Centro	19	19	20	380	ELISA test	380
Free range laying hens	PT17-Lisboa e Vale do Tejo	4	4	20	80	ELISA test	80
Free range laying hens	PT30-Madeira	1	1	20	20	ELISA test	20
Broilers at heightened risk (free range)	PT11-Norte	7	2	10	20	ELISA test	20
Broilers at heightened risk (free range)	PT16-Centro	186	52	10	520	ELISA test	520
Broilers at heightened risk (free range)	PT17-Lisboa e Vale do Tejo	17	6	10	60	ELISA test	60
Broilers at heightened risk (free range)	PT30-Madeira	1	1	10	10	ELISA test	10
Fattening turkeys	PT11-Norte	2	1	10	10	ELISA test	10
Fattening turkeys	PT16-Centro	42	20	10	200	ELISA test	200
Fattening turkeys	PT17-Lisboa e Vale do Tejo	84	40	10	400	ELISA test	400
Fattening turkeys	PT18-Alentejo	2	2	10	20	ELISA test	20
Fattening ducks	PT17-Lisboa e Vale do Tejo	12	12	60	680	ELISA test	680
Duck breeders	PT17-Lisboa e Vale do Tejo	2	2	40	80	ELISA test	80
Farmed game birds (gallinaceous)	PT11-Norte	12	12	10	120	PCR test	24
Farmed game birds (gallinaceous)	PT16-Centro	10	8	10	80	PCR test	16
Farmed game birds (gallinaceous)	PT17-Lisboa e Vale do Tejo	10	6	10	60	PCR test	12
Farmed game birds (gallinaceous)	PT18-Alentejo	3	1	10	10	PCR test	2
Farmed game birds (gallinaceous)	PT15-Algarve	2	2	10	20	PCR test	4
Farmed game birds (gallinaceous)	PT30-Madeira	1	1	10	10	PCR test	2
Farmed game birds (waterfowl)	PT11-Norte	1	1	20	20	PCR test	4
Ratites	PT16-Centro	1	1	5	5	PCR test	1
Ratites	PT17-Lisboa e Vale do Tejo	3	2	5	10	PCR test	2
Backyard flocks (optional)	PT11-Norte	96,000	16	5	80	PCR test	16
Backyard flocks (optional)	PT16-Centro	66,500	17	5	85	PCR test	17
Backyard flocks (optional)	PT17-Lisboa e Vale do Tejo	30,000	4	5	20	PCR test	4
Backyard flocks (optional)	PT18-Alentejo	26,500	5	5	25	PCR test	5
Backyard flocks (optional)	PT15-Algarve	9,500	8	5	40	PCR test	11
Backyard flocks (optional)	PT20-Açores	4,500	2	5	10	PCR test	3
Backyard flocks (optional)	PT30-Madeira	4,000	2	5	10	PCR test	2
<b>Total</b>		237,613	350	585	5,075	<b>Methods of laboratory analysis</b>	<b>Total number of tests</b>
						<b>Total - ELISA test</b>	4,467
						<b>Total - PCR test</b>	125

**Table B - WILD BIRDS : INVESTIGATION ACCORDING TO THE SURVEILLANCE PROGRAMME FOR AVIAN INFLUENZA IN WILD BIRDS SET OUT IN ANNEX II TO DECISION 2010/367/EU**

NUTS 2 Code	Total number of wild birds sampled for passive surveillance	Number of PCR tests done for passive surveillance	Number of virus isolation tests for passive surveillance
PT16-Centro	5	5	0
PT17-Lisboa e Vale do Tejo	3	3	0
PT15-Algarve	52	99	0
PT20-Açores	24	24	0
<b>Total</b>	84	131	0

**Table C - POULTRY AND WILD BIRDS : NUMBER OF OUTBREAKS OF AVIAN INFLUENZA DETECTED DURING THE YEAR**

	Domestic birds	Wild birds
Nr of HPAI outbreaks	0	0
Nr of LPAI outbreaks	0	0

## COMMENT / ADDITIONAL CLARIFICATION

For FR it was considered only test payed