About this dossier

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Eradication: Final report for Avian Influenza 2023

For each approved programme (work package) Member States shall submit by the 30 April detailed technical and financial report covering the previous year.

ID: 20240409-9TTHVZJ1

Country code: PT

Reporting period

From: 2023 **To:** 2023 **Year of implementation:** 2023

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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.

In 2023, the Avian Influenza surveillance programme was carried out according to Annex II to Delegated Regulation nº 2020/689 and sampling began in January 2023.
All sampling was carried out by DGAV staff, except for a few wild birds samples which were collected by ICNF, I.P. (Institute for Conservation of Nature and Forestry) personnel and validated by DGAV services. There was no payment for the ICNF sampling. All programme expenses were paid by State Budget or Authonomous Regions' Budget.
Due to the absence of payments to third parties for the purposes of wild birds sampling, there were no costs associated to it.

1.1.1. Poultry

- Poultry active surveillance was risk based and targeted establishments keeping the relevant poultry categories, located within higher risk areas for introduction of avian influenza virus and high poultry density areas, where, in case of outbreak's occurrence, the risk of dissemination is also higher. A total of 336 sampling events were carried out in 221 poultry farms.

- Laying hens, free range laying hens and fattening turkeys were tested by ELISA and duck breeders, fattening ducks, quails, gallinaceous game birds and waterfowl game birds were tested by real time RT-PCR. These methods of testing are

in accordance to nºs 2 and 3 of section 9 of annex II to Commission Delegated Regulation (EU) nº 2020/689.
The number of ELISA tests is lower than the nº of samples taken due to problems during transport which led to unsuitability for testing of several samples.

- The frequency of testing was the following:
- Laying hens, free range laying hens, duck breeders and waterfowl game birds: twice/year;
- Fattening ducks: 2 or 3 times/year;
- Fattening turkeys, quails and gallinaceous game birds: once/year.

HI tests were carried out whenever a sample obtained a positive result in the ELISA test. In 2023, 6 HI tests were carried (2 in laying hens and 1 in fattening turkeys) and all were negative, hence there were 3 false positives to ELISA.
During 2023, no outbreaks were detected in poultry.

1.1.2 - Wild birds

During the same period, 175 wild birds were tested by passive surveillance corresponding to 128 real-time RT-PCR tests.
The number of tests is different from the number of wild birds due to the following reasons:
a) Some birds are tested in pool;
b) For some birds, 2 samples were taken - oropharyngeal and cloacal swabs;

A total of 6 wild birds were positive for infection by HPAI H5N1 virus.
For positive birds, virus subtyping and pathotyping was carried out by RT-PCR or by sequencing.

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

Overall, in poultry, the targets of the programme were achieved but there were some problems, namely, the unsuitability of several samples at arrival at the laboratory, as explained above.
Regarding wild birds, sampling of 300 birds was foreseen in the programme submitted and a total of 175 were sampled. Hence, around 58 % of the foreseen sampling in wild birds was carried out.
Sampling of wild birds is difficult to foresee accurately due to unpredictable variations on the number of birds that are found dead, diseased, or injured. Also, some wild birds are found and collected in advanced decomposition and, thus, unsuitable for testing.

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 attachement 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 2023 of surveillance for avian influenza, poultry and wild birds, via the Commission's online reporting system. Maps showing geographical distribution of poultry and wild birds sampling, and of higher risk areas, as well maps showing HPAI H5N1 outbreaks in wild birds are attached to this report.

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
Laying hens	PT17-Lisboa e Vale do Tejo	23	19	20	380	ELISA test	377
Free range laying hens	PT11-Norte	4	4	20	100	ELISA test	88
Free range laying hens	PT16-Centro	29	23	20	450	ELISA test	441
Free range laying hens	PT17-Lisboa e Vale do Tejo	5	5	20	90	ELISA test	90
Fattening turkeys	PT16-Centro	39	20	10	200	ELISA test	200
Fattening turkeys	PT17-Lisboa e Vale do Tejo	98	45	10	450	ELISA test	450
Fattening ducks	PT16-Centro	3	3	40	120	PCR test	24
Fattening ducks	PT17-Lisboa e Vale do Tejo	18	18	60	820	PCR test	164

Duck breeders	PT17-Lisboa e Vale do Tejo	2	2	40	80	PCR test	16
Farmed game birds (gallinaceous)	PT11-Norte	12	12	10	120	PCR test	24
Farmed game birds (gallinaceous)	PT16-Centro	6	6	10	60	PCR test	12
Farmed game birds (gallinaceous)	PT17-Lisboa e Vale do Tejo	12	12	10	120	PCR test	24
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	40	40	PCR test	8
Farmed game birds (waterfowl)	PT17-Lisboa e Vale do Tejo	2	2	40	80	PCR test	16
Quails	PT16-Centro	1	1	10	10	PCR test	2
Quails	PT17-Lisboa e Vale do Tejo	10	10	10	100	PCR test	20
Quails	PT30-Madeira	1	1	10	10	PCR test	2
Laying hens	PT11-Norte	10	4	20	80	ELISA test	80
Laying hens	PT16-Centro	70	30	20	590	ELISA test	588
Laying hens	PT17-Lisboa e Vale do Tejo	0	0	0	0	HI test for H5	1
Laying hens	PT17-Lisboa e Vale do Tejo	0	0	0	0	HI test for H7	1
Free range laying hens	PT16-Centro	0	0	0	0	HI test for H5	1
Free range laying hens	PT16-Centro	0	0	0	0	HI test for H7	1
Fattening turkeys	PT16-Centro	0	0	0	0	HI test for H5	1
Fattening turkeys	PT16-Centro	0	0	0	0	HI test for H7	1
Total		349	221	440	3,930	**Methods of laboratory analysis**	**Total number of tests**
						Total - ELISA test	2,314
						Total - HI test for H5	3
						Total - HI test for H7	3
						Total - PCR test	318

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
PT11-Norte	21	9	0
PT16-Centro	26	23	0
PT17-LVT	62	30	0
PT18-Alentejo	5	8	0
PT15-Algarve	38	42	0
PT20-Açores	12	11	0
PT30-Madeira	11	5	0
Total	175	128	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	6
Nr of LPAI outbreaks	0	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
Sampling	Domestic animals sampled	3,930				1.91	7,506.3	30	2,251.89
Sampling	Wild birds sampled	174	0	10	0			30	0
Testing	ELISA test - poultry	2,314				3.57	8,260.98	30	2,478.29
Testing	HI-Test for H5	3				4.19	12.57	30	3.77
Testing	HI-Test for H7	3				4.19	12.57	30	3.77
Testing	PCR test - poultry	338				19.25	6,506.5	30	1,951.95
Testing	Virus isolation test - wild birds	0				51.07	0	30	0
Testing	PCR test - wild birds	102				19.25	1,963.5	30	589.05
Total - Sampling		4,104	0		0		7,506.3		2,251.89
Total - Testing		2,760					16,756.12		5,026.84
Total - Amount claimed									7,278.73

Comment/additional clarification

Attached files

File name	File description	File type	File size	Date updated
Poultry_sampling_map.pdf		binary/pdf	48.5 kB	2024/04/24
WildBirds_sampling_map.pdf		binary/pdf	54.7 kB	2024/04/24
Higher risk areas for avian influenza_map.pdf		binary/pdf	189 kB	2024/04/24
HPAI_WB_map.pdf		binary/pdf	87.5 kB	2024/04/24
Declaration_AI_rev_assinada.pdf		binary/pdf	144 kB	2024/06/24