

## Follow-up report No.: 13

Report reference: , OIE Ref: 5221, Report Date: 21/12/2005, Country: Romania

### Report Summary

<b>Disease</b>	Highly pathogenic avian influenza	<b>Animal type</b>	Terrestrial
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Serotype(s)</b>	H5
<b>Clinical Signs</b>	Yes	<b>Reason</b>	Reoccurrence of a listed disease
<b>Date of confirmation of Event</b>	07/10/2005	<b>Date of Start of Event</b>	04/10/2005
<b>Date of report</b>	21/12/2005	<b>Diagnosis</b>	Clinical, Laboratory (advanced)
<b>Date of last occurrence</b>	1942	<b>Number of reported outbreaks</b>	Submitted= 38, Draft= 2
<b>Name of Sender of the report</b>	Mr Gabriel Predoi	<b>Address</b>	Autorité Nationale Sanitaire Vétérinaire BUCAREST
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<b>Entered by</b>	Mme Margarita Alonso		

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Albesti		Village	Marsilien	44,57	27,35	16/12/2005	03/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	488	23	23	465	...		
<b>Affected Population</b>								

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Stelnica		Village	Stelnica	44,69	27,1	20/12/2005	30/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	112	6	6	106	...		
<b>Affected Population</b>								

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Traian		Village	Traian	44,69	27,1	19/12/2005	30/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	36	16	16	20	...		

Affected Population
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### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Albesti		Village	Marsilieni	44,56	27,36	15/12/2005	03/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	309	8	8	301	0		
Affected Population		three backyard flocks						

### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Reviga		Village	Rovine	44,69	27,1	13/12/2005	15/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	70	26	26	44	0		
Affected Population		backyard flock						

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Reviga		Village	Rovine	44,69	27,1	15/12/2005	05/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	220	52	52	168	...		
Affected Population								

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
CALARASI	Stefan Voda		Village	Stefan Voda	44,19	27,32	20/12/2005	03/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	102	31	31	71	...		
Affected Population								

### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BUZAU	Odaile		Village	Valea Fantanelor	45,15	26,79	15/12/2005	29/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	88	52	40	48	0		
Affected Population		backyard flock						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BUZAU	Padina		Village	Padina	44,82	27,1	12/12/2005	15/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	44	11	11	25	0		
Affected Population		a backyard flock						

**Outbreak (this report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Ciocile		Village	Chichinetu	45,27	27,95	14/12/2005	29/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	72	22	22	50	0		
Affected Population		two backyard flocks						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Zavoiaia		Village	Zavoiaia	44,94	27,47	08/12/2005	24/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	279	98	98	181	0		
Affected Population		a backyard flock						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Ciocile		Village	Ciocile	45,27	27,95	02/12/2005	12/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	25	17	7	18	0		
Affected Population		a backyard flock						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Zavoiaia		Village	Dudescu	44,94	27,47	01/12/2005	12/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	150	33	33	117	0		
Affected Population		a backyard flock						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Dudesti		Village	Bumbacari	45,27	27,95	01/12/2005	12/01/2006

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	98	5	5	93	0
Affected Population		a backyard flock				

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Ciresu		Village	Scarlatesti	45,27	27,95	23/11/2005	12/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	184	50	50	134	0		
Affected Population		a backyard flock (125 hens, 25 turkeys, 24 ducks and 10 geese)						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Crisan		Village	Crisan	45,17	28,79	05/12/2005	11/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	58	18	18	40	0		
Affected Population		a backyard flock						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Valea Nucariilor		Village	Agighiol	45,04	28,86	30/11/2005	11/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	558	271	124	434	0		
Affected Population		a backyard flock						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Sulina		Village	Periprava	45,15	29,65	28/11/2005	03/01/2006
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	49	45	8	41	0		
Affected Population		a backyard flock (49 hens)						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Caraorman		Farm	Caraorman 1	45,08	29,4	15/11/2005	27/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	28	1	0	28	0		

<b>Affected Population</b>	25 laying hens and 3 ducks
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### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Caraorman		Farm	Caraorman	45,08	29,4	15/11/2005	27/12/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	36	2	1	35	0		
<b>Affected Population</b>		14 laying hens, 13 geese, 7 ducks and 2 turkeys						

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Maliuc		Village	Maliuc	45,17	29,08	07/10/2005	21/11/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	537	137	137	0	0		
<b>Affected Population</b>		swans						

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Ceamurlia-de-Jos		Village	Ceamurlia-de-Jos	44,75	28,71	04/10/2005	11/11/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	100	36	36	64	0		
<b>Affected Population</b>		58 laying hens and 42 ducks in a single backyard farm						

### Outbreak (other report - draft)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Dudesti		Village	Dudesti	45,27	27,95	10/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	139	16	2	137	0		
<b>Affected Population</b>		hens						

### Outbreak (other report - draft)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Ciresu		Village	Ciresu	45,27	27,95	10/01/2006	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	78	10	2	76	0		
<b>Affected Population</b>		hens						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Albesti		Village	Albesti	44,56	27,37	27/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	82	14	14	68	0		
Affected Population		hens						

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
IALOMITA	Albesti		Village	Albesti	44,57	27,35	24/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	82	19	14	68	...		
Affected Population								

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
CALARASI	Modelu		Village	Tonea 1	44,19	27,32	13/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	80	69	66	14	...		
Affected Population								

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Zavoiaia		Village	Zavoiaia	44,94	27,47	19/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	73	18	6	67	...		
Affected Population								

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Dudesti		Village	Tataru	44,84	27,41	20/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	141	...	32	97	...		
Affected Population								

**Outbreak (other report - submitted)**

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Dudesti		Village	Tataru	44,84	27,41	14/12/2005	

Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	Animals	295	73	67	228	...
Affected Population						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BUZAU	Braiesti		Village	Braiesti 2	45,44	26,51	15/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	39	17	5	34	0		
Affected Population		backyard flock						

#### Outbreak (this report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BUZAU	Braiesti		Village	Braiesti 1	45,44	26,51	15/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	51	47	8	43	0		
Affected Population		backyard flock						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
CALARASI	Modelu		Village	Tonea	44,19	27,32	13/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	81	81	81	0	0		
Affected Population		a backyard flock						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BUZAU	Braiesti		Village	Goidesti	45,44	26,51	12/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	23	21	21	2	0		
Affected Population		a backyard flock						

#### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
BRAILA	Dudesti		Village	Tataru	44,84	27,41	13/12/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	295	73	67	228	0		

<b>Affected Population</b>	a backyard flock
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### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Sulina		Not applicable	Musura bay, N-NE zone	45,15	29,65	21/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	...	7	...	...		
<b>Affected Population</b>	swans							

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Caraorman		Not applicable	Obretinul Mic lake	45,05	29,36	21/11/2005	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	...	1	...	...		
<b>Affected Population</b>	water hen							

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
VASLUI	Falciu		Village	Falciu	46,29	28,13	21/10/2005	21/11/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	1	1	...	...		
<b>Affected Population</b>	a heron was found dead in an unpopulated area, at a distance of about 700 m from Prut River, close to the international border with Moldavia; the heron may have belonged to a flock of migratory birds.							

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
CONSTANTA	Mihai Viteazu		Village	River Danube, in the vicinity of Vadu-Oii village	44,73	27,88	10/10/2005	21/11/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Wild species	Animals	...	3	3	...	...		
<b>Affected Population</b>	2 geese and 1 swan.							
The birds were found dead in an unpopulated area, at a distance of about 1 km from the River Danube, close to Vadu-Oii locality; the birds may have belonged to a flock of migratory birds.								

### Outbreak (other report - submitted)

Province	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start	End
TULCEA	Maliuc		Farm	Vulturu	45,17	29,08	07/10/2005	21/11/2005
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered		
Birds	Animals	48	18	18	30	0		
<b>Affected Population</b>	46 hens and 2 turkey hens (backyard flock)							

**Outbreak summary: Total outbreaks = 2 (Draft)**

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	217	26	4	213	0

**Outbreak summary: Total outbreaks = 38 (Submitted)**

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	4396	1273	1014	3362	0
Wild species	537	141	149	0	0

**Epidemiology****Epidemiological comments**

## Outbreak in Braiesti

Control measures began to be applied in the village of Braiesti on 15 December 2005: quarantine, stamping out (279 backyard premises with a total of 5,038 poultry), cleaning and disinfection of premises and roads.

Culling of poultry was performed using CO2. Corpses were destroyed by burning and burying.

Movement control has been applied to people, poultry, poultry products, feed, etc.

## Outbreak in Chichinetu

The veterinary and local authorities decided to apply a partial stamping-out policy: 329 poultry from 22 backyard premises have been culled since the first cases appeared.

Disinfection was performed and sanitary filters were installed at entry points into the infected area.

Number of backyard premises in the village: 136. Total number of poultry: 3,350.

There have been 2 outbreaks (infected premises), 500 m apart. Both are situated on the outer limit of the village, in the vicinity of Chiobaiesti lake;

Distance from the previous outbreak in Ciocile district: 3.5 km.

## Outbreak in Marsilieni

In view of the disseminated location of the 3 outbreaks in the village, the local authority decided to destroy the entire village flock. To date, 2,709 poultry from 78 backyard premises have been culled. Further culling is in progress.

Movement control has been applied to the entire village. Filters have been placed at the entrance of the three infected premises.

The premises have been disinfected.

Number of backyard premises in the village: 250. Total number of poultry: 11,176.

Although the poultry were kept in closed premises, the source of infection seems to be migratory birds, the village being surrounded by lakes and pools.

The local authority made a census of migratory birds in the area and found 400 white-fronted geese (*Anser albifrons*) and 100 swans.

## Outbreak in Rovine

Having regard to the existence of only one infected premises in the village, stamping out was applied to the affected premises and premises in the immediate vicinity, after rapid immunochromatographic tests had been performed.

Eleven premises have been cordoned off for stamping out purposes; to date 377 poultry have been culled and destroyed.

The infected area has been disinfected. All the roads around the infected area have been disinfected and disinfection filters placed at the entrance to the area.

Number of premises in the village: 285. Total number of poultry: 6,542.

A census of migratory birds has been made. Approximately 530 white-fronted geese (*Anser albifrons*), 170 mallard (*Anas platyrhynchos*), 260 small wild ducks, 80 great cormorants (*Phalacrocorax carbo*) and 160 common gulls (*Larus canus*) have been observed in the immediate vicinity of village. The number is increasing every day.

Rovine is surrounded by many lakes and pools, a situation that is conducive to the presence of migratory birds in the area.

Outbreak in Valea Fantanelor

Control measures began in the village of Valea Fantanelor on 15 December 2005.

All the premises were checked and 564 poultry were culled.

The remainder of the control measures taken are the same as those applied previously.

Valea Fantanelor is a small mountain village with only 14 household premises.

<b>Source of Infection</b>	• Contact with wild Species
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## Control Measures

<b>Applied</b>	<ul style="list-style-type: none"> <li>• Movement control inside the country</li> <li>• Screening</li> <li>• Disinfection of infected premises/establishment(s)</li> <li>• Quarantine</li> <li>• Stamping out</li> <li>• Zoning</li> </ul>	<b>To be applied</b>	• Control of wildlife reservoirs
	<b>Animals treated</b>	No	<b>Vaccination Prohibited</b>

## Country / Zone

<b>Country or zone</b>	the whole country
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## Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Institute for Diagnostics and Animal Health (national reference laboratory)	Birds	virus isolation	15/12/2005	Positive
National laboratory	Institute for Diagnostics and Animal Health (national reference laboratory)	Birds	reverse transcription – polymerase chain reaction (RT-PCR)	15/12/2005	Positive
National laboratory	Institute for Diagnostics and Animal Health (national reference laboratory)	Birds	rapid tests	15/12/2005	Positive
National laboratory	Institute for Diagnostics and Animal Health (national reference laboratory)	Birds	haemagglutination inhibition test (HIT)	15/12/2005	Positive
National laboratory	Institute for Diagnostics and Animal Health (national reference laboratory)	Birds	agar-gel immunodiffusion (AGID)	15/12/2005	Positive

## Future Reporting

**What further reports will be submitted in relation to this event?**

There are 15 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

## Outbreak map

