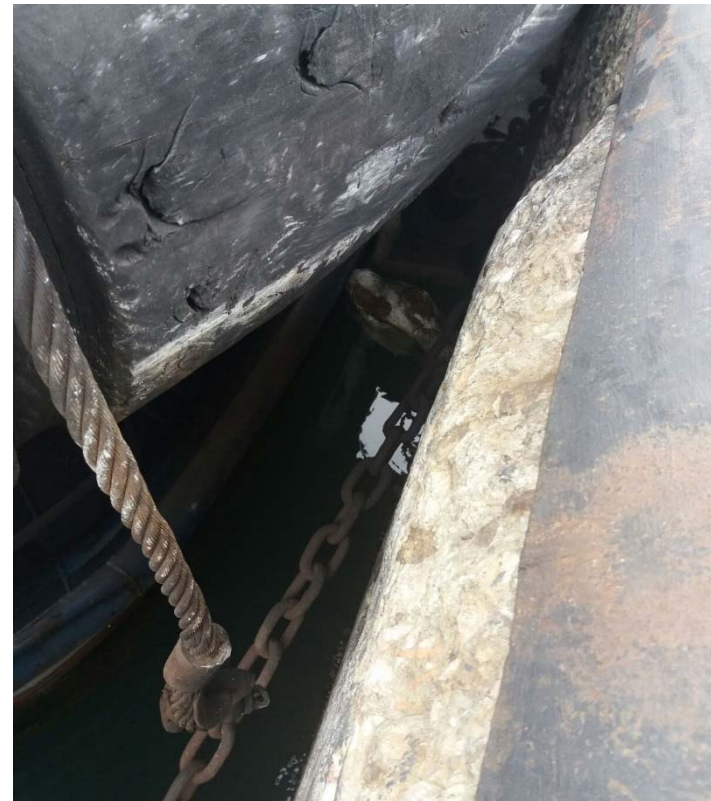
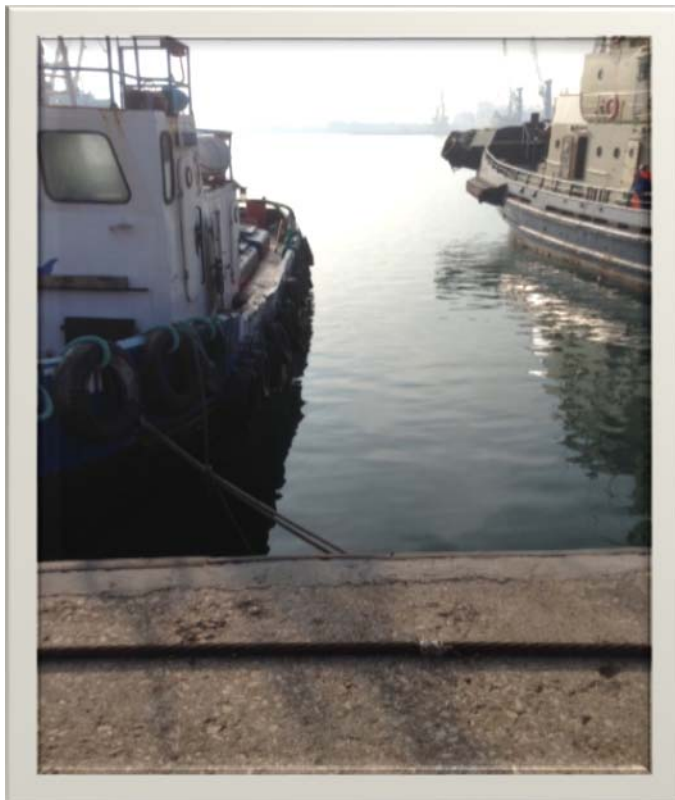




Highly Pathogenic Avian Influenza H5N8 on wild birds, in Constanța's port from Romania



On 22 of november 2016, following a request made by the Enviroment Office of the National Company Maritime Ports Administration SA Constanta, the representatives of Constanta Local Sanitary Veterinary And Food Safety Directorate went to the technical area Berth 0 in aquatorium of Constanta's Harbour, following a mortality notification observed in a wild swan.



The representative samples have been sent to the NRL of Avian Influenza in order to perform identification of the wild genom, subtype of hemaglutinine and neuraminidase and strain patogenity. On 28 of november 2016, all tests made showed that the subtype of Avian Influenza was H5N8-HPAI

HPAI H5N8 at a swan on Constanța's port

Date of suspicion and sampling : 22 November 2016, DDRB+SVFSD Constanța

Date of first testing: 23 November 2016, SVL Constanța: detection of the AI genome

Date of confirmation: 28 November , IDAH – NRL

Tests used:

- virus isolation by inoculation on embrionated eggs, **positive**
- identification of virus genome IA protein Matrix by Real Time RT-PCR test, **positive**
- identification of hemaglutinine subtype H5 of IA, by Real Time RT-PCR, **positive**
- identification of neuraminidaze subtype N 1 of IA virus by Real Time RT-PCR, **negative**
- identification of neuraminidaze subtype N 7 of IA virus by Real Time RT-PCR, **negative**
- identification of neuraminidaze subtype N 8 of IA virus by Real Time RT-PCR, **positive**



Following the confirmation:

- surveillance zone and veterinary restrictions on a radius of 10 km around the location where it was identified the wild swan, taking in account the epidemiological situation in Romania with many backyards with poultry
- on the 10 km radius there are no commercial poultry farm, only 4 localities with backyard poultry
- 25 -29 of November 2016 - 258 backyards with poultry from a total of 321 backyards were inspected. No clinical signs of disease were shown .





Suspiciune IA Dana 12

Confirmarea IA Dana 0

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2005

Data imaginilor: 7/22/2012

lat. 44.171596° long. 28.658483° cotă 4 m altitudinea de la nivelul vizual al privitorului 934 m

SECOND SUSPICION – on wild birds

On 28th November 2016, in area Berth 12 4 four dead wild birds from Constanta aquatorium port. Following the laboratory investigations results for RT-PCR were negative for 3 birds and positive for the 1 bird (cormorant-*Phalacrocorax carbo*).

So far the laboratory results are as follows:

- identification of hemaglutinine subtype H5 of IA, by Real Time RT-PCR, **positive**
- identification of neuraminidaze subtype H 7 of IA virus by Real Time RT-PCR, **negative**
- identification of neuraminidaze subtype N 1 of IA virus by Real Time RT-PCR, **negative**



Thank you for your attention