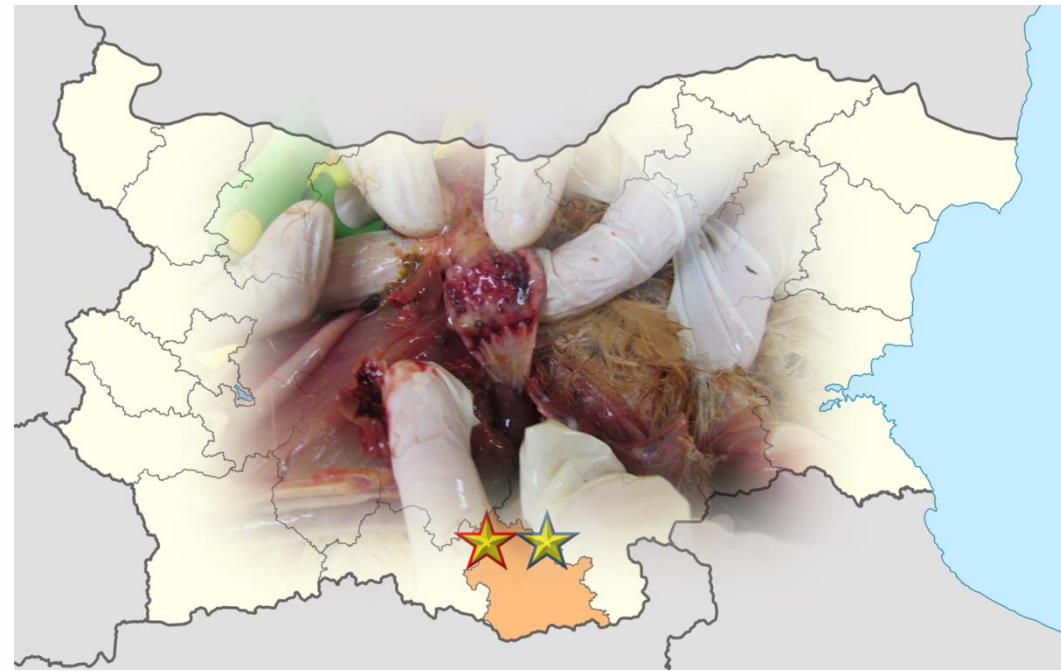




Newcastle disease in backyard poultry in Kardzhali region of Bulgaria

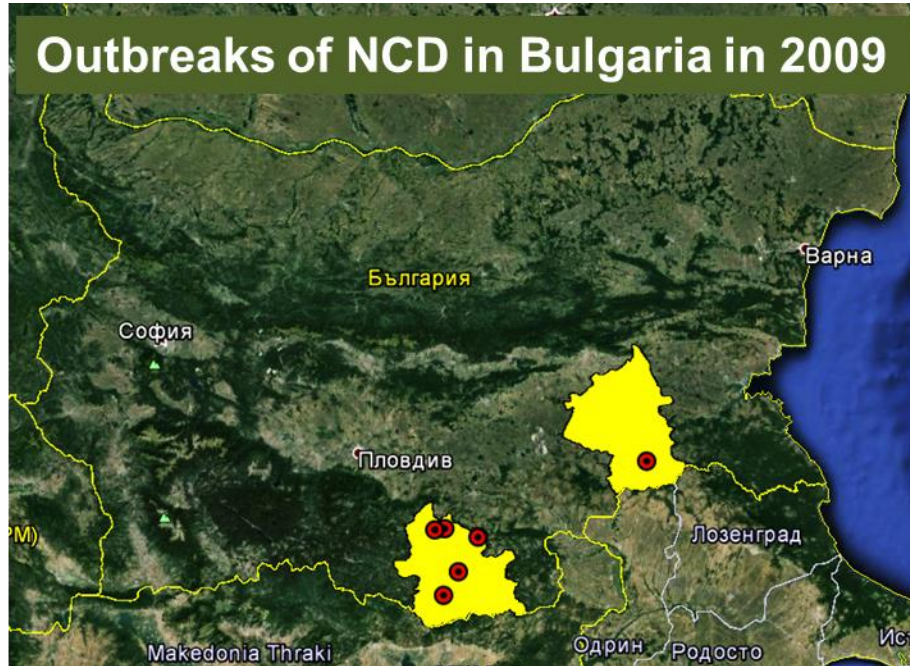


PAFF, 01 - 02 Mar 2016



Historical evolution of the disease

Outbreaks of NCD in Bulgaria in 2009



Outbreak of NCD in Bulgaria in 2013



- Last NCD outbreak in Bulgaria – Zvinitza, Kardzhali, Jan 2013

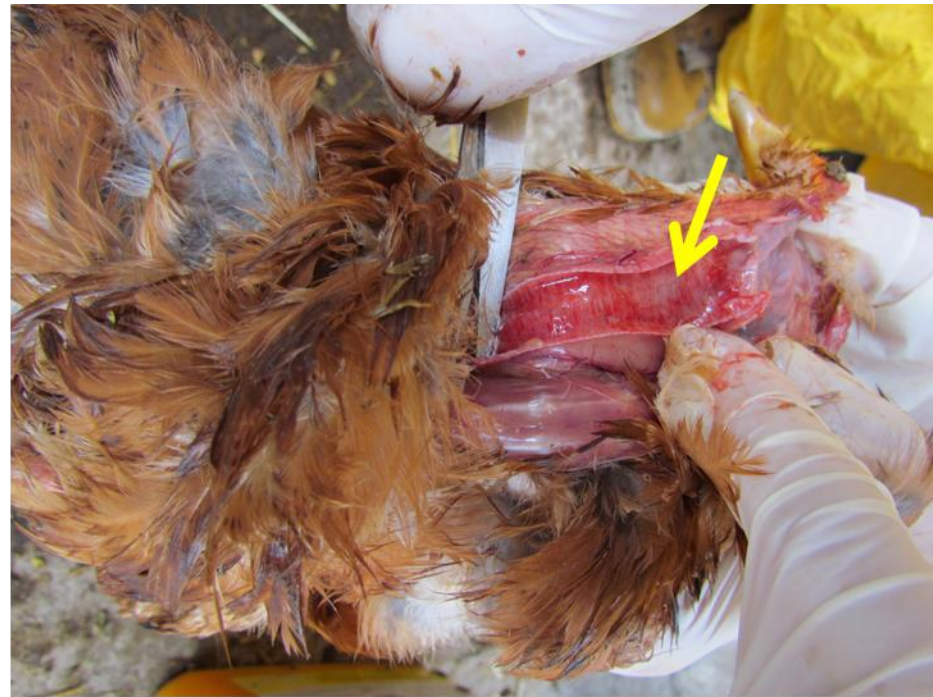


NCD outbreak in backyard poultry in Nenkovo village, Kardzhali region

- **Susceptible:** 301 poultry in 16 backyards
- **Affected:** 61 from 5 backyards
- **Culled:** 240
- **Disposed (buried):** 301



- **Date of suspicion:** 04 Feb 2016
- **Date of confirmation:** 05 Feb 2016 (RT PCR; confirmed later on inoculation on chicken embryos)
- **Date of stamping out and disposal:** 05 Feb 2016





Measures related to the outbreak in Nenkovo (1)

- BFSA has immediately taken all measures provided for in Council Directive 92/66/EEC introducing Community measures for the control of Newcastle disease (Order РД 11 – 206/05.02.2016 of the executive director of BFSA).
- On 05th Feb culling and disposal of all susceptible birds in the affected village was completed.
- Thorough disinfection was performed of the affected backyards, the poultry hencoops and the streets around the owner's houses.



Measures related to the outbreak in Nenkovo (2)

- Protection zone of 3-km radius around the village concerned and surveillance zone of 10-km radius around it were immediately established.

zone	Settlements, n	backyards		Trade farms	
		Backyards, n	Birds, n	Farms, n	Birds, n
3 km	10	46	974	0	0
10 km	46	904	9005	0	0

- A ban was imposed for any movement and trade of birds and products thereof within the protection and surveillance zones around the outbreak.
- During 06th and 07th Feb vaccination against Newcastle disease was performed of all 904 poultry in the 3 km protection zone.
- Daily clinical examinations of poultry in all settlements within the protection and surveillance zones are being performed



NCD outbreak in backyard poultry in Rudina village, Kardzhali region

- **Susceptible:** 676 poultry in 40 backyards
- **Affected:** 15 from 1 backyard
- **Culled:** 661
- **Disposed (buried):** 676



- **Date of suspicion:** 22 Feb 2016
- **Date of confirmation:** 23 Feb 2016 (RT PCR; confirmed later on inoculation on chicken embryos)
- **Date of stamping out and disposal:** 23 Feb 2016



Measures related to the outbreak in Rudina (1)

- All measures provided for in Council Directive 92/66/EEC introducing Community measures РД 11 – 272/23.02.2016 of the executive director of BFSА).
- On 23rd Feb culling and disposal of all susceptible birds in the affected village was completed.





Measures related to the outbreak in Rudina (2)

- Protection zone of 3-km radius around the village concerned and surveillance zone of 10-km radius around it were immediately established.

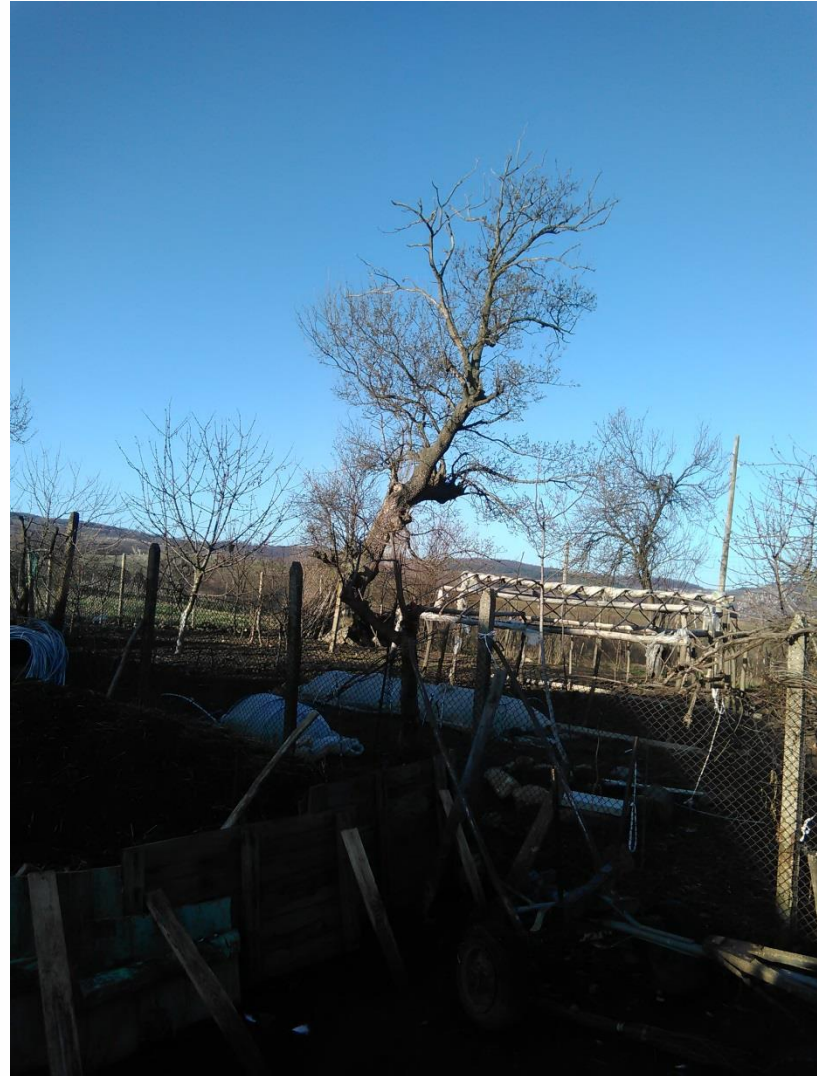
Zone	Settlements, n	Backyards		Trade farms	
		Backyards, n	Birds, n	Farms, n	Birds, n
3 km	4	117	1494	0	0
10 km	22	1726	15706	2 broiler farms	11282
				5 mallard ducks farms	19180

- A ban was imposed for any movement and trade of birds and products thereof within the protection and surveillance zones around the outbreak.
- During 24th and 25th Feb vaccination against Newcastle disease was performed of all 1494 poultry in the 3 km protection zone.
- Daily clinical examinations of poultry in all settlements within the protection and surveillance zones are being performed



Where did the virus came from?

- Hypothesis 1: NCDV introduced by wild birds?
 - No evidence of NCD in other parts of Bulgaria
- Hypothesis 2: NCDV introduced by humans (catering wastes, others)
 - No clinical suspicions in the area





Thank you!

Bulgarian Food Safety Agency, Animal Health Department

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