Low Pathogenic Avian Influenza (LPAI) H5 epidemic in Italy

SCoFCAH Bruxelles, 04 December 2012
Epidemiological Situation

- In September-October 2012, H5N2 outbreaks occurred in both industrial and rural poultry sectors.
- 3 outbreaks were identified in commercial sector (see previous SCoFCAH presentation)
- Sanitary measures provided by Italian Ministry of Health were:
  - Pre-moving controls of animal from industrial farms
  - Ban of restocking of industrial farms in DPPA
  - Sanitary controls of commercial holdings
  - Prohibition of fairs, markets, shows or other gatherings of poultry or other captive birds in northern Italy.
- From the 2nd of October until the 30th of November 5 more outbreaks of LPAI H5 subtype were detected
On 04\textsuperscript{th} October 2012 the NRL confirmed positive results for H5 LPAI virus in 3 industrial farms (i.e., fattening turkeys) in Mantua province.

On 08\textsuperscript{th} October the NRL confirmed one more positive result in a industrial farm of fattening turkeys in Mantua province.

On 18\textsuperscript{th} October 2012 the NRL confirmed positive results in a rural farm in Rome province.
OUTBREAKS IN LOMBARDY REGION

- **Oct 2012**: the NRL for Avian Influenza confirmed virological positivity H5 LPAI subtype for outbreaks 12/0012-12/0014-12/0015 and serological positivity for outbreak 12/0013.

- Farms were located in same area (DPPA) of outbreak 12/0009.

- Late **September** a respiratory syndrome and increased mortality rate were detected in outbreaks 12/0012-12/0013-12/0014

- **Mild respiratory symptoms** in **October** in outbreak 12/0015
OUTBREAKS IN LOMBARDIA REGION -2

- Birds involved:
  - 122,766 fattening turkeys
- Epidemiological investigation revealed
  - direct connection (the same poultry company, technicians and veterinary) between 12/0015 and 12/0013;
  - direct connection (proximity) between 12/0013 and 12/0014
- Depopulation in the area ended on 17th October
OUTBREAKS IN LOMBARDY REGION
CONTROL MEASURES

- Pre-moving controls:
  - Fattening turkeys, Laying hens, Breeders, Geese and Ducks: standard set of virological and serological samples within 96h before the load for slaughter

- Prohibition of fairs, markets, shows or other gatherings of poultry or other captive birds in northern Italy.

- Application of strong Biosecurity measures
OUTBREAK IN LAZIO REGION

- **22nd Oct 2012**: the NRL confirmed serological positivity for H5 LPAI subtype in a rural farm located in Rome province.
- The farm was monitored as provided by national surveillance plan.
- The farm reared 750 laying hens for egg production.
- No clinical signs or symptoms were reported.
- Epidemiological investigation and depopulation are ongoing.
Lifting of control measures

• As provided by Council Decision 2005/94 all control measure were lifted on 21\textsuperscript{st} Nov 2012.
• The last outbreak was confirmed on 22\textsuperscript{nd} Oct 2012.
• The extraordinary surveillance and control measures for industrial and rural sector are revoked.
• Surveillance activities are now those provided by national monitoring plan (Commission Decision 2011/807/EC) and Ministerial Decree 25\textsuperscript{th} June 2010.
Thanks for your attention