



ANIMAL HEALTH SITUATION



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Animal population and number of holdings in the Czech Republic

(30.4.2013)

Farm animals	Bovine	Ovine	Caprine	Swine	Equide
Number of animals	1 411 760	266 088	35 738	1 927 846	87 439
Number of holdings	20 414	15 256	6 126	3 153	14 532

Poultry	Laying hens	Broilers	Turkeys	Geese	Ducks
Number of animals	5 693 134	132 446 600	824 000	154 000	7 025 000
Number of holdings	67	320	59	32	110

- ❖ Structural changes occurred in agricultural structure since 1989
- ❖ Average number of cattle in holdings is at about 300 – 500 animals
- ❖ Number of cattle, pigs and poultry significantly decreased since 1989
- ❖ Number of horses and small ruminants increased



Number of slaughtered animals in the Czech Republic

(31.12.2012)

	bovine	ovine	caprine	swine	equide
Number of animals	236 148	12 181	640	2 770 858	407

	broilers + laying hens	turkeys	geese + ducks
Number of animals	117 191 185	81 037	1 444 043





Reality:

- ❖ 60% human pathogens are zoonoses
- ❖ 75% new diseases in humans are zoonoses (SARS, AI)
- ❖ 80% possible terroristic biological weapons are zoonoses
- ❖ Topics worldwide: Avian influenza, Rabies, ATB resistance



Main risk factors for new diseases spreading:

- ❖ Movement of people, products and animals
- ❖ Globalization
- ❖ Climatic changes
- ❖ Demography / urbanize
- ❖ Resistance to medicals
- ❖ Political instability





Animal diseases in the Czech Republic

Disease	FMD	Classical swine fever	Classical swine fever (Wild – Boar)	TBC (bovine)	Aujeszky disease (domestic pigs)
Year of last case	1975	1997	1999	1967	1988
Disease	Avian Influenza	BSE	Bovine leukosis	Brucellosis (bovine)	Rabies
Year of last case	2009	2009	1996	1964	2002





Obligatory testing of animals in the Czech Republic :

Bovine animals:

Bovine TBC

Bovine Leukosis

BSE

Campylobacter foetus

Q fever

Schmallenberg virus

Bovine Brucella

IBR

BVD/MD (virologically and serologically)

Bluetongue

Trichomonas foetus

Testing is carry out: - in holding

- in quarantine

- in semen collection center

- in slaughterhouse or rendering plant





BSE

- ❖ Monitoring of BSE since 2001 – totally **30 positive cases**
- ❖ The last positive case of BSE is from **May 2009**
- ❖ Since 2008 the Czech Republic is classified by **OIE** as a country with **controlled risk** for BSE
- ❖ Since 2015 country with negligible risk ???

Since 1 July 2011 the monitoring of BSE has been changed in accordance with EU legislation:

- all healthy animals over 72 months of age; and
- all risk animals over 48 months of age tested

Since 1 July 2013 the monitoring of BSE will be changed in accordance with EU legislation:

- **stop of testing of healthy animals;** and
- **the age limit for risk animals will be decreased back on 24 months of age.**



EUROPEAN COMMISSION

COMMISSION IMPLEMENTING DECISION

of 4 February 2013

amending Decision 2009/719/EC authorising certain Member States to revise their annual BSE monitoring programmes

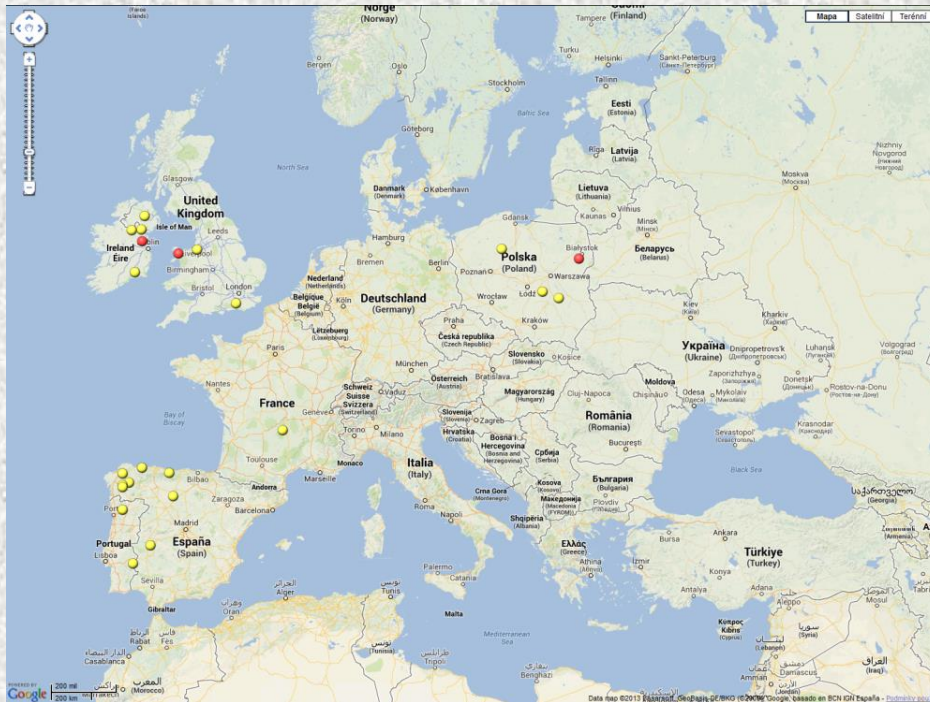
(notified under document C(2013) 435)

(Text with EEA relevance)

(2013/76/EU)

- stop of testing of healthy animals
- the age limit for risk animals 48 months

BSE – positive cases in EU 2012 ● 2013 ●



▼M2

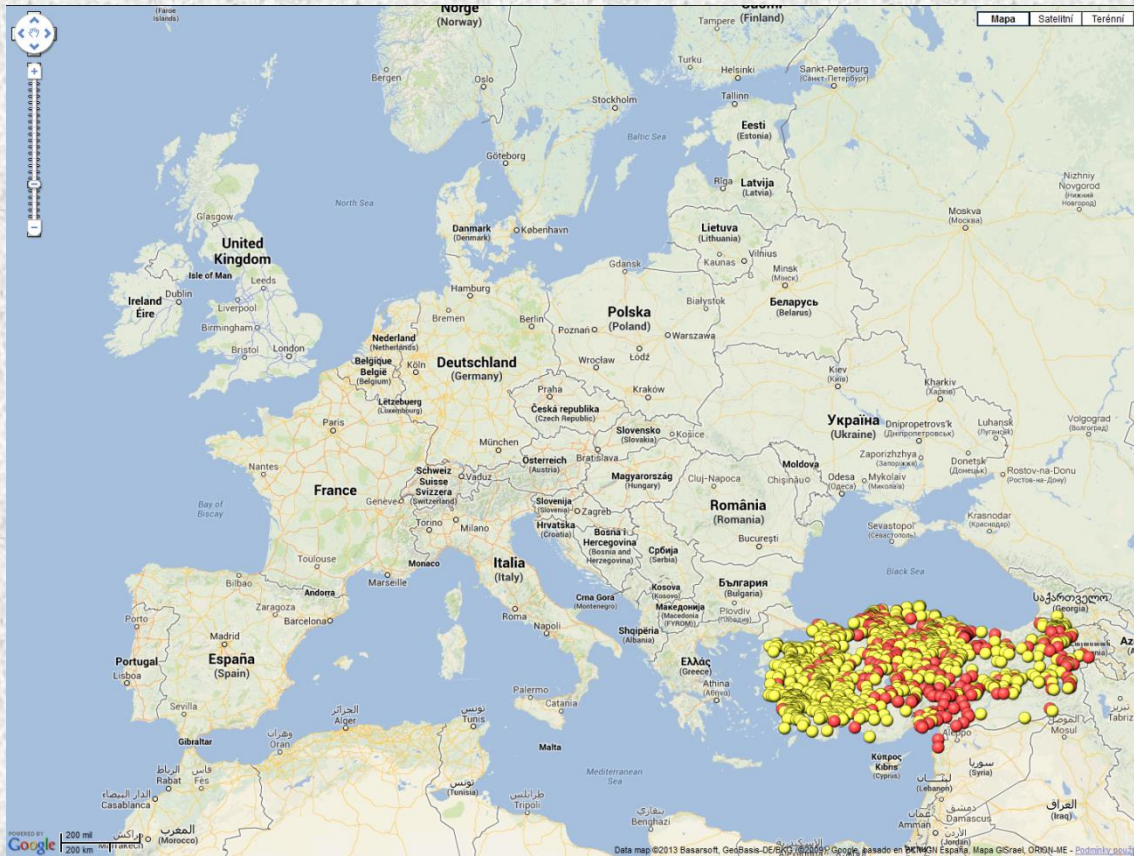
ANNEX

List of Member States and territories authorised to revise their BSE annual monitoring programmes

- Belgium
- Czech Republic
- Denmark
- Germany
- Estonia
- Ireland
- Greece
- Spain
- France
- Italy
- Cyprus
- Latvia
- Lithuania
- Luxembourg
- Hungary
- Malta
- Netherlands
- Austria
- Poland
- Portugal
- Slovakia
- Slovenia
- Finland
- Sweden
- United Kingdom and the Channel Islands and the Isle of Man



Foot and Mouth Disease is not under control in Turkey



Source <http://footandmouth.csl.gov.uk/>



Bovine Tuberculosis (M. bovis)

- ❖ The Czech Republic is **free since 1967**
- ❖ In the EU status country officially free with additional guaranties since 2004
- ❖ **Sporadic occurrence** in farm animals (1995), camels in ZOO (2000)
- ❖ Monitoring in animals performed by intradermal test and by veterinary inspection of slaughtered animals.
- ❖ In 2012 tested totally 6 560 animals by skin test with negative results.

Diseases status EU 2012





Avian influenza – Low and High Pathogenic

Surveillance in poultry:

- ❖ Sampling is carried out stratified throughout the whole territory so as to cover all bird species (poultry species) – laying hens at the end of egg-laying period, turkeys, ducks, geese and farmed mallards.
- ❖ In 2012 totally 188 holding tested with negative result.

Surveillance in wild birds:

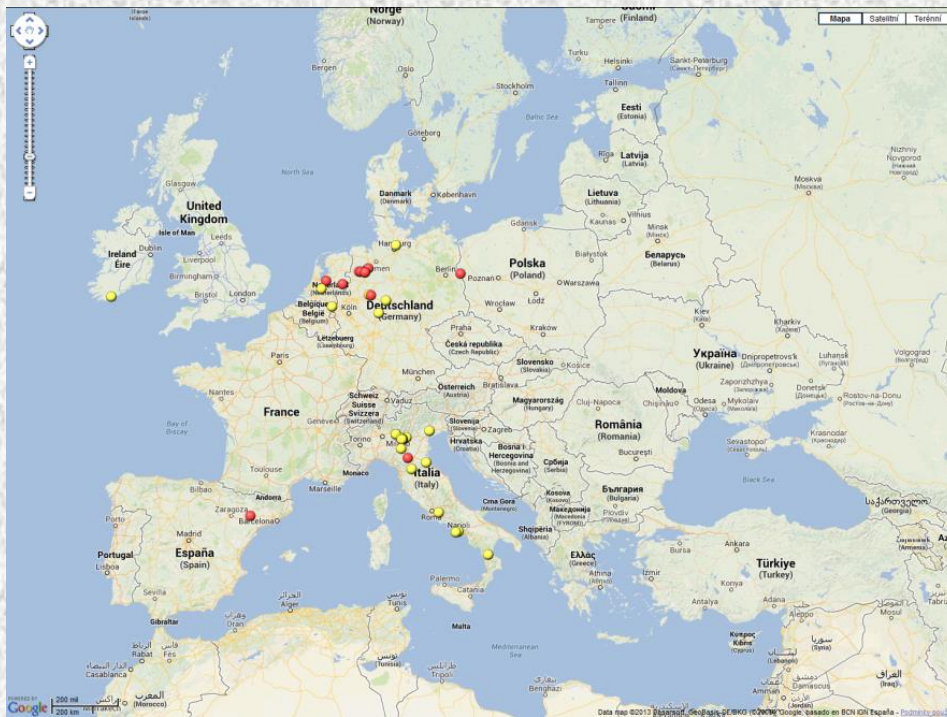
- ❖ Passive surveillance on wild birds (found death birds) is performed with focus on species presenting higher risk in relation to AI (mainly mallard and swans). The occurrence of higher mortality (more than 5) in several species at the same site is additional factor.
- ❖ In 2012 totally 102 animals tested, 3 mallards positive on H4N6 (LPAI)





RISK OF AVIAN INFLUENZA - STILL PRESENT WORLDWIDE

LP AI – positive cases in EU 2012 ● 2013 ●



LP AI - H7N9 in China - Shanghai

No new H7N9 cases in China for a week



No new human cases of the H7N9 virus have been recorded in China for a week, national health authorities said, for the first time since the outbreak

began in March.

11:13AM

Poultry farms may be H7N9 source, study finds



The study, compiled after a week-long field assessment of the influenza by a panel of experts commissioned by the WHO, was published by the National Health and

Family Planning Commission...

6:12AM

Death toll from new bird flu in China rises to 36



Four more people in China have died from a new strain of bird flu, bringing the death toll from the H7N9 virus to 36 from 131 confirmed cases, the World Health

Organisation (WHO) said on Friday...

11:55AM

• China bird flu devastates Shanghai family

PUBLIC HEALTH

China bird flu devastates Shanghai family



The virus has already killed her mother, and Kelly Gu's father lies critically ill with H7N9 bird flu in a Shanghai hospital bed – the only couple both infected in

China's outbreak of the disease...

12:24PM

• Warmer weather may be curbing spread of bird flu in China

HEALTH

Warmer weather may be curbing spread of bird flu in China



Government measures and favourable weather may be limiting the spread of a deadly new bird flu, as the number of reported cases has dropped sharply this

month, say health experts.

4:43AM

RESTAURANTS

Bird flu adds to KFC's China woes



Can Colonel Sanders win back Chinese diners? Yum Brand reported that same-store sales on the mainland plunged 29 per cent last month as concerns

about the safety of its chicken and the spread of...

4:01AM



Aujeszky's disease

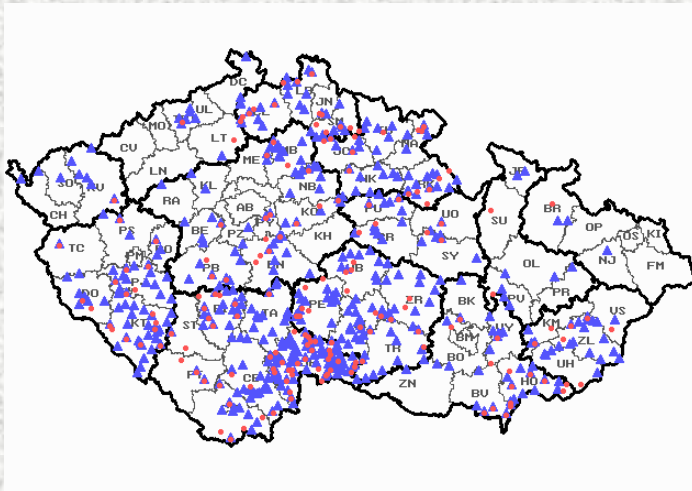
- ❖ The Aujeszky's disease eradication programme in domestic pigs was completed on 31 December 1987
- ❖ Vaccination in pigs is prohibited
- ❖ In the EU status country officially free with additional guaranties since 2004
- ❖ In 2012 serologically tested totally 51 304 animals with negative results.





Aujezsky disease in wild boar – risk for hunting dogs

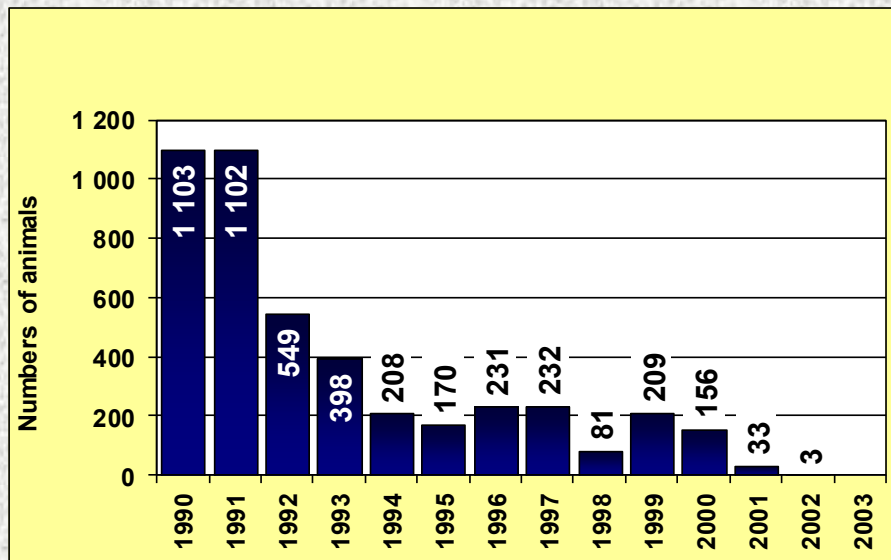
30% of tested wild boar positive for antibodies (positive are in red)





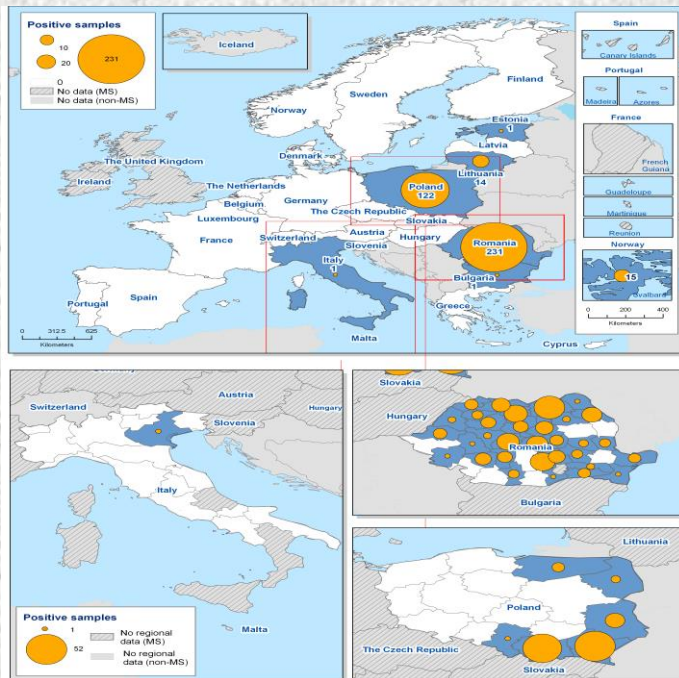
Rabies

- ❖ Last occurrence of Rabies in Foxes – April, 2002
- ❖ Since 2004 the Czech Rep. is free of Rabies according to OIE
- ❖ In 2005 one sporadic case in bat
- ❖ Oral vaccination of foxes performed from 1989 to 2009
- ❖ Monitoring programme in foxes is ongoing

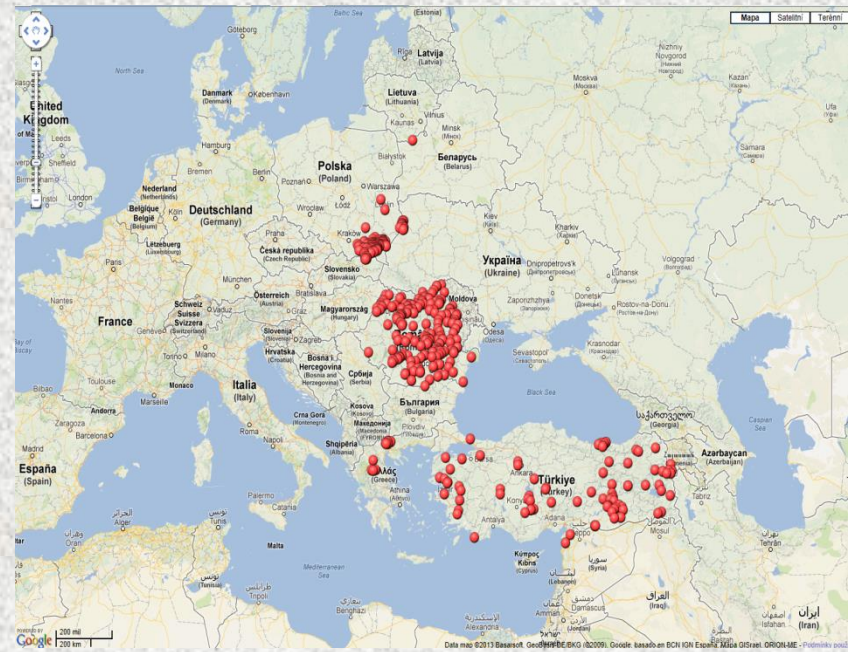




Rabies in wild animals, 2011 (EFSA annual zoonoses report)



Rabies 1. 1. – 27. 5. 2013 (ADNS)



	No of cases
Greece	12
Poland	111
Litvenia	1
Romania	206
Slovakia	7
Turkey	84

Final
Report

SG
80

20-25 May
2012

Resolution about OIE and WRO collaboration

Agreement between the World Organisation for Animal Health (OIE) and the World Renderers Organization (WRO)

CONSIDERING

That it is desirable, in the general interest of all concerned, that cooperation be established between the World Organisation for Animal Health (OIE) and the World Renderers Organization (WRO),

The Agreement between the OIE and the WRO that was approved following the deliberations of the Council on 4 October 2012 (81 SG/24),

THE ASSEMBLY

DECIDES

To approve the terms of this Agreement and its signature by the Director General on behalf of the OIE.



Emergency preparedness and collaboration

Outbreak H5N1 HP AI



REC Mankovice



Highly pathogenic avian influenza (HPAI) serotype **H5N1** was detected in a commercial poultry flock in the Czech Republic in **June – August 2007**.

In outbreak was culled **103 378 head** of poultry (4 586 turkeys and 98 792 *Gallus gallus*) in total weight of **358 262 kg**.

Two contact holdings with **67 879 head** (54 125 broilers and 13 754 turkeys) were culled to prevent spreading of the disease.

Poultry kept in non-commercial flocks in municipalities situated close to outbreak of HPAI outbreaks was culled (**2 026 head** of poultry).



Rendering plant in Mankovice was used for destroying of culled animals





THANK YOU FOR ATENTION

