

RABIES BULLETIN EUROPE

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1. Editorial

Editorial

After more than 30 years of “traditional” RBE we decided to change the cover and the size of this bulletin to a journal style. This step is ment to increase the print quality of the journal, to improve the convenience for the readers and as a contribution to WHO’s cooperate identity. We hope to meet your expectations in this way. Otherwise, the content remains unchanged.

The first miscellanous article refers to two cases of rabies in dogs imported from Africa into the Brussels area of Belgium. The authors of this article point out that these cases underline the importance to strictly follow EU regulations for import of pets from an enzootic region, including vaccination, serology and waiting period. They also emphasize the utility of strict sanitary control at the EU borders and the need to better inform EU residents, prior to travel to enzootic regions, on the risks and procedures concerning import of pet carnivores.

The second article is a report from the Russian Far East on rabies control in this region including oral vaccination of wildlife.

Also, the rabies data for the 1st quarter of 2008 is presented in tables and a map. The total number of rabies cases reported in Europe reached 3715 cases, an increase of 1650 case compared to the same quarter of the previous year but 578 less than in quarter IV 2007. Notably, there’s a geographic spread of rabies in Bulgaria with new cases detected in areas south of Sofia bordering Serbia and Macedonia. This development needs to be monitored and perhaps control measures need to be implemented to prevent the spread into previously rabies free areas. Also, Romania reports increasing rabies cases (510) for the fourth consecutive quarter more than doubling any reported number during recent years. A measurable improvement in those two countries will only be seen once the envisaged rabies control programmes using oral vaccination of wildlife will be implemented.

Conrad Freuling
Thomas Müller

2. SUMMARY OF RABIES CASES IN EUROPE

RABIES CASES

1st QUARTER 2008

01.01.08-31.03.08

| Name | Code | Total | Wildlife | Domestic animals | Bats | Human |
|----------------------|------|-------------|-------------|------------------|----------|----------|
| ALBANIA | ALB | 0 | 0 | 0 | 0 | 0 |
| AUSTRIA | AUT | 0 | 0 | 0 | 0 | 0 |
| BELARUS | BLR | 288 | 225 | 63 | 0 | 0 |
| BELGIUM | BEL | 0 | 0 | 0 | 0 | 0 |
| BOSNIA - HERCEGOVINA | BIH | 37 | 34 | 3 | 0 | 0 |
| BULGARIA | BGR | 12 | 9 | 3 | 0 | 0 |
| CROATIA | HRV | 384 | 349 | 35 | 0 | 0 |
| CYPRUS | CYP | 0 | 0 | 0 | 0 | 0 |
| CZECH REPUBLIC | CZH | 0 | 0 | 0 | 0 | 0 |
| DENMARK | DNK | 0 | 0 | 0 | 0 | 0 |
| ESTONIA | EST | 3 | 1 | 2 | 0 | 0 |
| FINLAND | FIN | 0 | 0 | 0 | 0 | 0 |
| FRANCE | FRA | 2 | 0 | 1 | 1 | 0 |
| GERMANY | DEU | 0 | 0 | 0 | 0 | 0 |
| GREECE | GRC | 0 | 0 | 0 | 0 | 0 |
| HUNGARY | HUN | 0 | 0 | 0 | 0 | 0 |
| ICELAND | ISL | 0 | 0 | 0 | 0 | 0 |
| IRELAND | IRE | 0 | 0 | 0 | 0 | 0 |
| ITALY | ITA | 0 | 0 | 0 | 0 | 0 |
| LATVIA | LVA | 43 | 33 | 10 | 0 | 0 |
| LITHUANIA | LTU | 21 | 16 | 5 | 0 | 0 |
| LUXEMBOURG | LUX | 0 | 0 | 0 | 0 | 0 |
| MACEDONIA | MKD | 0 | 0 | 0 | 0 | 0 |
| MALTA | MLT | 0 | 0 | 0 | 0 | 0 |
| MOLDOVA | MDA | 0 | * | * | * | * |
| MONTENEGRO | MNE | 9 | 9 | 0 | 0 | 0 |
| NETHERLANDS | NED | 0 | 0 | 0 | 0 | 0 |
| NORWAY | NOR | 0 | 0 | 0 | 0 | 0 |
| POLAND | POL | 11 | 8 | 3 | 0 | 0 |
| PORTUGAL | PRT | 0 | 0 | 0 | 0 | 0 |
| ROMANIA | ROU | 510 | 477 | 33 | 0 | 0 |
| RUSSIAN FEDERATION | RUS | 1310 | 628 | 681 | 0 | 1 |
| SERBIA | SRB | 98 | 92 | 6 | 0 | 0 |
| SLOVAK REPUBLIC | SVK | 0 | 0 | 0 | 0 | 0 |
| SLOVENIA | SVN | 26 | 25 | 1 | 0 | 0 |
| SPAIN | ESP | 2 | 0 | 1 | 1 | 0 |
| SWEDEN | SWE | 0 | 0 | 0 | 0 | 0 |
| SWITZERLAND + LIEC. | CHE | 0 | 0 | 0 | 0 | 0 |
| TURKEY | TUR | 96 | 25 | 71 | 0 | 0 |
| UKRAINE | UKR | 863 | 359 | 502 | 0 | 2 |
| UNITED KINGDOM | UNK | 0 | 0 | 0 | 0 | 0 |
| TOTAL | | 3715 | 2290 | 1420 | 2 | 3 |

Wildlife: excluding bats

* no data

3. Miscellaneous Articles

3.1 Two cases of imported canine rabies in the Brussels area within six months time

I. Le Roux and S. Van Gucht¹

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In Belgium, sylvatic rabies was present from 1966 to 1999 in the south of the country, south of the rivers Sambre and Meuse. Thanks to obligatory vaccination of dogs and, most importantly, successive vaccination campaigns of foxes in the same area, the last indigenous case of rabies was diagnosed in 1999 in a bovine. According to the International Office of Epizootics guidelines (1997) and the World Health Organization recommendations (1992), Belgium was officially declared free of rabies in July 2001 and the fox vaccination program was terminated by the end of 2001. An efficient program of rabies surveillance in wildlife, domestic carnivores and ruminants is in place and no new cases have been detected until recently. In 2007 and 2008, during a period spanning merely six months, we were faced with two cases of canine rabies in the Brussels area.

In October 2007, a case of rabies was diagnosed in a puppy of 4-months old in Beersel, a town in the periphery of the capital Brussels. The puppy was adopted by a Belgian family during their holiday in Morocco. They consulted a local veterinarian who declared that the animal was in good health and, unfortunately, did not inform the owners about the EU legislation for importing a pet. The puppy was only 4 to 5 weeks old when it was imported into Belgium without prior vaccination or serological test. The animal travelled with its owners in the passenger's cabin and was hidden in a hand bag while passing customs. No control was done at the National Airports of Morocco or Belgium. For the next three months and nine days,

the animal appeared in good health. The owners did visit a Belgian veterinarian upon arrival, but the animal received no vaccination against rabies. Fortunately, because of its limited obedience, the pup did not circulate much outside of the household, but still was taken regularly for a walk in a nearby park.

The first signs of rabies appeared when the animal displayed subtle changes in behaviour, characterized by unusual friendliness, on the 16th of October. The 19th of November, the animal developed the classical neurological symptoms, including a change in tone of the bark, fever and biting upon the slightest provocation. The owner brought the dog to a veterinary clinic where it was placed in quarantine and observed for 12 hours. Because the veterinarians suspected rabies, the animal was euthanized on Saturday the 20th of October. The cadaver was submitted for analysis to the National Reference Laboratory of Rabies (Belgian Scientific Institute of Public Health). A positive diagnosis was established by direct immunofluorescence staining on brain tissue on Monday the 22nd of October. Immediately, the veterinary authorities were warned. The result was confirmed on the 24th of October by virus isolation in neuroblastoma cells. The other dog of the family was euthanized, but tested negative for rabies virus in the brain. The contagious period was defined as 15 days before the first symptoms until euthanasia. All dogs who had (potentially) met the dog in the park of Beersel during this period were placed under the control of the Federal Agency for Food Security (AFSCA) for 6 months. Rabies vaccination was recommended by

AFSCA for all dogs and cats in the region (biosecurity area including Beersel and neighbouring villages). Dogs had to be kept on a leash and the surveillance in wildlife (foxes) was increased in the area. Forty-one people received post-exposure treatment because of direct contact during the contagious period, seven of whom also received anti-rabies immunoglobulins. Six months later no secondary cases have been detected.

On the 1st of April 2008, a Belgian tourist, on holiday with friends in Gambia, found an injured young dog of about six months of age. She decided to adopt it and presented the animal to a local veterinarian to take care of the wound and make all the necessary arrangements for import into Europe. The dog was identified by microchip and received a vaccination against rabies. A certificate of good health was signed on the 5th of April 2008. On the health certificate, the veterinarian antedated the vaccination as the 15th of March 2008. No serology test was done. On April 7th, the owner returned to Belgium by plane with her new pet. The dog slept during the flight thanks to sedation and had no contact with other passengers. No control was done at the customs of Brussels airport. At this time, the owner was still convinced that all the legal procedures were followed correctly by the Gambian veterinarian. Owner and dog stayed for one week in Uccle, a community of the Brussels Region, to visit some friends. During that time, the owner consulted a Belgian veterinarian to take care of the healing wound. Because of its wound, the dog was mainly kept at home and had almost no contact with others animals and only a few contacts with humans, including some visitors and the neighbour. On the 13th of April, the owner left Belgium for her home in France. Three days later, on the 16th of April, the dog became seriously ill with vomiting, anorexia and fever. The condition of the animal worsened progressively for the next five

days. The dog was examined in three veterinary clinics and only in the third one the suspicion of rabies was made, based on the neurological signs. The dog died from the disease on the 21st of April and was sent to the National Reference Centre of Rabies at the Pasteur Institute of Paris for rabies analysis one day later. Laboratory analysis confirmed the suspicion. Although the disease only developed when in France, the dog might have been contagious in Belgium, assuming a contagious period of fifteen days preceding the first signs (1-21/04/2008). Belgian veterinary authorities were thus warned by the French authorities about the case. As in France, all animal and human contacts were traced. In Belgium, only 2 cats had been in the proximity of the dog. Both cats had stayed in the same room as the dog for one hour, but kept a distance out of fear for their canine visitor. It was therefore unlikely that there had been direct contact with the dog. Both cats are kept in quarantine at home for six months under the guidance of the veterinary inspection. Seventeen tourists who joined the owner in Gambia and ten people in Belgium, all neighbours and friends of the owner, were vaccinated because of superficial contact with the animal (care, play and licks). In France, another nineteen people were also vaccinated. Fortunately, biting aggression only developed during the last day of the disease. All reported contacts remained superficial and no bite incidents were reported.

These two cases underline the importance to strictly follow EU regulations for import of pets from an enzootic region, including vaccination, serology and waiting period. They emphasize the utility of strict sanitary control at the EU borders and the need to better inform EU residents, prior to travel to enzootic regions, on the risks and procedures concerning import of pet carnivores.

3.2 Rabies control in far eastern Russian Ussuriysk region

E.Lubchenko¹

¹ State veterinary authority, Ussurisk, Primorsky krai, Russia

The Ussuriysk region and the city of Ussuriysk are located in the Primorski krai in the Russian Far East comprising 3452 km² (Fig. 1). Two third of Ussuriysk region is covered by forests which are the habitat of 18 wolves (*Canis lupus*), 14 brown bears (*Ursus arctos*) and 4 Siberian tiger (*Panthera tigris altaica*). There are also numbers of other carni- and omnivorous species, like foxes (*Vulpes vulpes*) and raccoon dogs (*Nyctereutes procyonoides*) with a population density of approximately 4 and 5 individuals per square kilometre, respectively.

and a rat; in 2000 in a cat, a dog a hamster, a cow and a small ruminant; between 2003 and 2005 in one dog and a cat and from 2006 to 2007 in a cat and a racoon dog. However, the surveillance in wild animals is limited. There are no indications that rabies is present in the population of the endangered great felines. One reason may be that there are too few contacts as the habitats between the great felines and other carni- or omnivorous species regarded as rabies reservoirs rarely overlap.

According to the current veterinary regulations on rabies control, if an



Fig. 1: Map of Russia showing the Primorski krai (red) and the location of the Ussuriysk region

Rabies cases are reported only sporadically from this area, beginning in 1974 when a cow and a dog were found to be rabies positive. Ten years later in 1984, again a dog and a cow tested rabies positive. Between 1995 and 2000 rabies cases were found in a dog, a cat

and a rat; in 2000 in a cat, a dog a hamster, a cow and a small ruminant; between 2003 and 2005 in one dog and a cat and from 2006 to 2007 in a cat and a racoon dog. However, the surveillance in wild animals is limited. There are no indications that rabies is present in the population of the endangered great felines. One reason may be that there are too few contacts as the habitats between the great felines and other carni- or omnivorous species regarded as rabies reservoirs rarely overlap. According to the current veterinary regulations on rabies control, if an animal is tested rabies positive the responsible veterinary authority reports the case to all public health authorities and to the hunters association. Furthermore, all animal bites from wild animals have to be reported to the veterinary health administration. Within an affected area dog exhibitions, animal trade and circus events with animals are restricted. Rabies control measures in

wildlife also include an increasing of the hunting bag of rabies reservoir species.

To prevent human rabies cases all pet owners are obliged to vaccinate their animals on a regular basis. Also, the veterinary staff conducts mass door-to-door parenteral vaccination campaigns and the vaccination of stray, feral and ownerless dogs either parenterally or orally. For parenteral vaccination different inactivated rabies vaccines are used.

The vaccination of wildlife and feral animals is done by using oral vaccine loaded baits ORALRABIVAK consisting of a plastic sachet filled with the attenuated vaccine strain RV-97 surrounded by a bait casing of fish meal and other substances.

The oral vaccination campaigns in wildlife are planned and conducted in close cooperation between the veterinary authority and wildlife biologists and other experts of this area.

In 2007 the area covered by vaccination comprised 2.700km² and 24.860 baits were distributed manually at a density of 10 baits per square kilometre.

Two vaccination campaigns are conducted: baits are distributed 14 days before breeding season and during the dispersal of juveniles, respectively. To analyse the bait disappearance certain sites are controlled for the presence of baits at days 2, 3, 6 and 10. Bait uptake in target species is measured by the detection of biomarkers (tetracycline) in bones or teeth of hunted animals from this region. To successfully control rabies in wildlife by using oral vaccination a long-term strategy should be used. The extensive vaccination of both pets and wildlife animals has been successful in controlling rabies in the Ussuriysk region.

4 DISTRIBUTION OF RABIES IN EUROPE

4.1 Country summaries of rabies cases, 1st quarter 2008

01.01.08-31.03.08

| Country | | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | bat | Human cases | total | | | | |
|----------------------------|--------|------------------|--------------|-------------|-------------|---------------|-------------|-------------|-------------|--------------|--------------|----------------|-------------|-------------|-------------|-------------|--------------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|-------------|-------------|-------------|
| | | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelids | other carnivores | wild boar | roe deer | red deer | | | | fallow deer | other | subtotal | |
| Name | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Albania | ALB * | | | | | | | | | 0 | | | | | | | | | | | | | 0 | | | 0 | | |
| Austria | AUT * | | | | | | | | | 0 | | | | | | | | | | | | | | 0 | | | 0 | |
| Belarus | BLR | 30 | 13 | 16 | 4 | | | | | 63 | 190 | 26 | | 4 | 1 | | | | | | | | 4 | 225 | | 288 | | |
| Belgium | BEL * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Bosnia - Hercegovina | BIH | 3 | | | | | | | | 3 | 33 | | | 1 | | | | | | | | | | | 34 | 37 | | |
| Bulgaria | BGR | | 2 | 1 | | | | | | 3 | 8 | | | | | | | | | | | | 1 | 9 | | 12 | | |
| Croatia | HRV | 13 | 14 | 2 | | 6 | | | | 35 | 347 | | | | | | 2 | | | | | | | | 349 | 384 | | |
| Cyprus | CYP * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Czech Republic | CZH * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Denmark | DNK * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Estonia | EST | 1 | | | | 1 | | | | 2 | 1 | | | | | | | | | | | | | | 1 | 3 | | |
| Finland | FIN * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| France | FRA | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | 0 | 1 | 2 | |
| Germany | DEU * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Greece | GRC * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Hungary | HUN * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Iceland | ISL * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Ireland | IRE * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Italy | ITA * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Latvia | LVA | 4 | 6 | | | | | | | 10 | 13 | 19 | | 1 | | | | | | | | | | | 33 | 43 | | |
| Lithuania | LTU | 1 | 3 | 1 | | | | | | 5 | 5 | 6 | | | | | | | | | | | | | 16 | 21 | | |
| Luxembourg | LUX * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Macedonia | MKD * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Malta | MLT * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Moldova | MDA ** | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Montenegro | MNE | | | | | | | | | 0 | 8 | | | | | 1 | | | | | | | | | 9 | 9 | | |
| Norway | NOR * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Poland | POL | 1 | | 2 | | | | | | 3 | 6 | 2 | | | | | | | | | | | | | 8 | 11 | | |
| Portugal | PRT * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Romania | ROU | 9 | 13 | 4 | 1 | 6 | | | | 33 | 473 | | | 3 | 1 | | | | | | | | | | 477 | 510 | | |
| Russian Federation | RUS | 314 | 186 | 136 | 8 | 23 | 1 | 13 | | 681 | 575 | 40 | | 4 | 2 | 2 | 1 | 1 | 1 | | | | 2 | 628 | 1 | 1310 | | |
| Serbia | SRB | 2 | 4 | | | | | | | 6 | 89 | | | | | | | | | | | | | | 92 | 98 | | |
| Slovak Republic | SVK * | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | |
| Slovenia | SVN | 1 | | | | | | | | 1 | 24 | | | | 1 | | | | | | | | | | 25 | 26 | | |
| Spain | ESP | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | 0 | 1 | 2 |
| Sweden | SWE * | | | | | | | | | 0 | | | | | | | | | | | | | | | | | 0 | |
| Switzerland + Lichtenstein | CHE * | | | | | | | | | 0 | | | | | | | | | | | | | | | | | 0 | |
| The Netherlands | NED * | | | | | | | | | 0 | | | | | | | | | | | | | | | | | 0 | |
| Turkey | TUR | 38 | 2 | 26 | 2 | 3 | | | | 71 | 23 | | | | | 2 | | | | | | | | | 25 | 96 | | |
| Ukraine | UKR | 239 | 204 | 49 | 7 | 3 | | | | 502 | 338 | 7 | 4 | 2 | 2 | 4 | | | | | 2 | | | | 359 | 2 | 863 | |
| United Kingdom | UNK * | | | | | | | | | 0 | | | | | | | | | | | | | | | | | 0 | |
| TOTAL | | 658 | 447 | 237 | 22 | 42 | 1 | 13 | 0 | 1420 | 2133 | 100 | 4 | 15 | 7 | 12 | 5 | 4 | 1 | 2 | 0 | 0 | 0 | 7 | 2290 | 2 | 3 | 3715 |
| PER CENT | | 17,7% | 12,0% | 6,4% | 0,6% | 1,1% | 0,0% | 0,3% | 0,0% | 38,2% | 57,4% | 2,7% | 0,1% | 0,4% | 0,2% | 0,3% | 0,1% | 0,1% | 0,0% | 0,1% | 0,0% | 0,0% | 0,0% | 0,2% | 61,6% | 0,1% | 0,1% | 100% |

* NO CASES

** NO DATA

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | bat | Human cases | total | | | | |
|-----------------------------|------------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|------------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|
| | dog | cat | cattle | equine | goat | sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | | | | red deer | fallow deer | other | subtotal |
| BELARUS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brest | 1 | 4 | 3 | 1 | | | | | 9 | 10 | 2 | | | 1 | | | | | | | | | 2 | 15 | | | 24 |
| Gomel | 11 | 1 | 6 | 1 | | | | | 19 | 42 | 5 | | 4 | | | | | | | | | | 1 | 52 | | | 71 |
| Grodno | 6 | 4 | 3 | 1 | | | | | 14 | 24 | | | | | | | | | | | | | | 24 | | | 38 |
| Minsk | 1 | 2 | 1 | | | | | | 4 | 12 | 1 | | | | | | | | | | | | 1 | 14 | | | 18 |
| Mogilev | 3 | | 3 | | | | | | 6 | 64 | 6 | | | | | | | | | | | | | 70 | | | 76 |
| Vitebsk | 8 | 2 | | 1 | | | | | 11 | 38 | 12 | | | | | | | | | | | | | 50 | | | 61 |
| TOTAL | 30 | 13 | 16 | 4 | 0 | 0 | 0 | 0 | 63 | 190 | 26 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 225 | 0 | 0 | 288 |
| PER CENT | 10,4% | 4,5% | 5,6% | 1,4% | 0,0% | 0,0% | 0,0% | 0,0% | 21,9% | 66,0% | 9,0% | 0,0% | 1,4% | 0,3% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 1,4% | 78,1% | 0,0% | 0,0% | 100% |
| BOSNIA - HERCEGOVINA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Banja Luka | 1 | | | | | | | | 1 | 13 | | | 1 | | | | | | | | | | | 14 | | | 15 |
| Doboj | 2 | | | | | | | | 2 | 11 | | | | | | | | | | | | | | 11 | | | 13 |
| Sarajevo | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Sokolac | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Srbinja (Foca) | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Tuzlanski | | | | | | | | | 0 | 5 | | | | | | | | | | | | | | 5 | | | 5 |
| Vlasenica | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| TOTAL | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 33 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 37 |
| PER CENT | 8,1% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 8,1% | 89,2% | 0,0% | 0,0% | 2,7% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 91,9% | 0,0% | 0,0% | 100% |
| BULGARIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kyustendil | | | | | | | | | 0 | 3 | | | | | | | | | | | | | | 3 | | | 3 |
| Razgrad | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Shumen | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Silistra | | | | | | | | | 0 | 2 | | | | | | | | | | | | | | 2 | | | 2 |
| Sofia | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Varna | | 1 | 1 | | | | | | 2 | | | | | | | | | | | | | | | 1 | | | 3 |
| Veliko Tumovo | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| TOTAL | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 0 | 12 |
| PER CENT | 0,0% | 16,7% | 8,3% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 25,0% | 66,7% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 8,3% | 75,0% | 0,0% | 0,0% | 100% |
| ESTONIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Harju | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| Rapla | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| TOTAL | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 |
| PER CENT | 33,3% | 0,0% | 0,0% | 0,0% | 33,3% | 0,0% | 0,0% | 0,0% | 66,7% | 33,3% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 33,3% | 0,0% | 0,0% | 100% |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | | bat | Human cases | total | | | |
|--------------------------|------------------|--------------|-------------|-------------|---------------|-------------|-------------|-------------|--------------|--------------|----------------|-------------|-------------|-------------|--------------|---------------------|---------------------|-------------|-------------|-------------|----------------|-------------|-------------|---------------|-------------|-------------|-------------|
| | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | red deer | fallow deer | | | | other | subtotal | |
| CROATIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bjelovarsko - Bilogorska | 2 | 2 | | | 3 | | | | 7 | 37 | | | | | | | | | | | | | | 37 | | | 44 |
| Brodsko - Posavska | 1 | 1 | | | | | | | 2 | 3 | | | | | | | | | | | | | | 3 | | | 5 |
| Istarska | | 3 | | | | | | | 3 | 1 | | | | | 1 | | | | | | | | | 2 | | | 5 |
| Karlovacka | 2 | | | | | | | | 2 | 41 | | | | | | | | | | | | | | 41 | | | 43 |
| Koprivnisko - Krizevaska | | | | | | | | | 0 | 12 | | | | | | | | | | | | | | 12 | | | 12 |
| Krapinsko - Zagorska | 1 | | | | | | | | 1 | 62 | | | | | | | | | | | | | | 62 | | | 63 |
| Licko - Senjska | | | | | | | | | 0 | 11 | | | | | | | | | | | | | | 11 | | | 11 |
| Osjesko - Baranjska | | 2 | 1 | | | | | | 3 | 19 | | | | | | | | | | | | | | 19 | | | 22 |
| Pozesko - Slovanska | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Primorsko - Goranska | | | | | | | | | 0 | 15 | | | | | | | | | | | | | | 15 | | | 15 |
| Sibensko - Kninska | | | | | | | | | 0 | 6 | | | | | | | | | | | | | | 6 | | | 6 |
| Sisacko - Moslovacka | | 4 | | | | | | | 4 | 19 | | | | | | | | | | | | | | 19 | | | 23 |
| Splitsko - Dalmatinska | | | 1 | | | | | | 1 | 13 | | | | | 1 | | | | | | | | | 14 | | | 15 |
| Varazdinska | 1 | | | | | | | | 1 | 15 | | | | | | | | | | | | | | 15 | | | 16 |
| Viroticko - Podravska | | | | | | | | | 0 | 2 | | | | | | | | | | | | | | 2 | | | 2 |
| Vukovarsko - Srijemska | | | | | | | | | 0 | 5 | | | | | | | | | | | | | | 5 | | | 5 |
| Zadarska | | | | | | | | | 0 | 2 | | | | | | | | | | | | | | 2 | | | 2 |
| Zagreb | 2 | 1 | | | | | | | 3 | 27 | | | | | | | | | | | | | | 27 | | | 30 |
| Zagrebacka | 4 | 1 | | | 3 | | | | 8 | 56 | | | | | | | | | | | | | | 56 | | | 64 |
| TOTAL | 13 | 14 | 2 | 0 | 6 | 0 | 0 | 0 | 35 | 347 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 349 | 0 | 0 | 384 |
| PER CENT | 3,4% | 3,6% | 0,5% | 0,0% | 1,6% | 0,0% | 0,0% | 0,0% | 9,1% | 90,4% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,5% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 90,9% | 0,0% | 0,0% | 100% |
| LITHUANIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alytaus | | | | | | | | | 0 | | | | | 1 | | | | | | | | | | 1 | | | 1 |
| Kauno | | | | | | | | | 0 | | 2 | | | | | | | | | | | | | 2 | | | 2 |
| Panevezio | 1 | | 1 | | | | | | 2 | | 1 | | | 2 | 2 | | | | | | | | | 5 | | | 7 |
| Siauliu | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Telsiu | | 3 | | | | | | | 3 | 1 | 2 | | | | | | | | | | | | | 3 | | | 6 |
| Utenos | | | | | | | | | 0 | 3 | 1 | | | | | | | | | | | | | 4 | | | 4 |
| TOTAL | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 6 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 21 |
| PER CENT | 4,8% | 14,3% | 4,8% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 23,8% | 23,8% | 28,6% | 0,0% | 0,0% | 0,0% | 14,3% | 9,5% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 76,2% | 0,0% | 0,0% | 100% |
| MONTENEGRO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montenegro | | | | | | | | | 0 | 8 | | | | 1 | | | | | | | | | | 9 | | | 9 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 |
| PER CENT | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 88,9% | 0,0% | 0,0% | 0,0% | 0,0% | 11,1% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 100,0% | 0,0% | 0,0% | 100% |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | bat | Human cases | total | | | | |
|---------------------|------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|------------------|------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|
| | dog | cat | cattle | equine | goat | sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | | | | red deer | fallow deer | other | subtotal |
| LATVIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aizkraukles r. | | | | | | | | | 0 | | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Aluksnes r. | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Jelgavas r. | 1 | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | 2 | | | 3 |
| Kraslava r. | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| Kuldigas r. | | | | | | | | | 0 | 1 | 2 | | | | | | | | | | | | | 3 | | | 3 |
| Liepajas r. | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| Limbazu r. | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Ludzas r. | | | | | | | | | 0 | | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Ogres r. | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Preiļu r. | 1 | 4 | | | | | | | 5 | | 5 | | | | | | | | | | | | | 5 | | | 10 |
| Rezeknes r. | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | | | 2 |
| Talsu r. | | | | | | | | | 0 | 2 | 4 | | | | | | | | | | | | | 6 | | | 6 |
| Tukuma r. | | | | | | | | | 0 | | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Valkas r. | | | | | | | | | 0 | | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Valmieras r. | | | | | | | | | 0 | 3 | 1 | | | | | | | | | | | | | 4 | | | 4 |
| Ventpils r. | | | | | | | | | 0 | 1 | 3 | | | | | | | | | | | | | 4 | | | 4 |
| TOTAL | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 13 | 19 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 43 |
| PER CENT | 9,3% | 14,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 23,3% | 30,2% | 44,2% | 0,0% | 2,3% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 76,7% | 0,0% | 0,0% | 100% |
| FRANCE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Île de France | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Pays de la Loire | | | | | | | | | 0 | | | | | | | | | | | | | | | 0 | 1 | | 1 |
| TOTAL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | |
| PER CENT | 50,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 50,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 50,0% | 0,0% | 100% |
| POLAND | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lubelskie | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Podkarpackie | 1 | | | | | | | | 1 | 4 | | | | | | | | | | | | | | 4 | | | 5 |
| Podlaskie | | | | | | | | | 0 | 1 | 1 | | | | | | | | | | | | | 2 | | | 2 |
| Warmińsko-Mazurskie | | | 2 | | | | | | 2 | | 1 | | | | | | | | | | | | | 1 | | | 3 |
| TOTAL | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 11 | |
| PER CENT | 9,1% | 0,0% | 18,2% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 27,3% | 54,5% | 18,2% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 72,7% | 0,0% | 0,0% | 100% | |
| SERBIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Central Serbia | 2 | 2 | | | | | | | 4 | 61 | | | | | | | 3 | | | | | | | 64 | | | 68 |
| Vojvodina | | 2 | | | | | | | 2 | 28 | | | | | | | | | | | | | | 28 | | | 30 |
| TOTAL | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 89 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 92 | 0 | 0 | 98 | |
| PER CENT | 2,0% | 4,1% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 6,1% | 90,8% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 3,1% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 93,9% | 0,0% | 0,0% | 100% | |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | bat | Human cases | total | | | |
|-----------------|------------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------|-------------|-------------|-------------|---------------------|---------------------|-------------|-------------|-------------|-------------|-------------|--------------|----------------|-------------|-------------|
| | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | red deer | | | | fallow deer | other | subtotal |
| ROMANIA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alba | | | | | | | | | 0 | 24 | | | | | | | | | | | | | 24 | | | 24 |
| Arad | | 3 | | | | | | | 3 | 2 | | | | | | | | | | | | | 2 | | | 5 |
| Arges | | | 1 | | | | | | 1 | 5 | | | | | | | | | | | | | 5 | | | 6 |
| Bacau | | 1 | | | 1 | | | | 2 | 25 | | | | | | | | | | | | | 25 | | | 27 |
| Bihar | | | | | | | | | 0 | 2 | | | | | | | | | | | | | 2 | | | 2 |
| Bistrita-Nasaud | 2 | 2 | 2 | | | | | | 6 | 24 | | 1 | | | | | | | | | | | 25 | | | 31 |
| Botosani | | | | | | | | | 0 | 7 | | | | | | | | | | | | | 7 | | | 7 |
| Braila | | | | | | | | | 0 | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Brasov | | | | | | | | | 0 | 4 | | | | | | | | | | | | | 4 | | | 4 |
| Buzau | | 1 | | | 1 | | | | 2 | 4 | | | | | | | | | | | | | 4 | | | 6 |
| Calarasi | | | | | | | | | 0 | 4 | | | | | | | | | | | | | 4 | | | 4 |
| Caras-Severin | | | | | | | | | 0 | | | | 1 | | | | | | | | | | 1 | | | 1 |
| Cluj | | 2 | | | | | | | 2 | 38 | | | | | | | | | | | | | 38 | | | 40 |
| Covasna | 1 | | | | | | | | 1 | 12 | | 2 | | | | | | | | | | | 14 | | | 15 |
| Dambovita | | | | | | | | | 0 | 3 | | | | | | | | | | | | | 3 | | | 3 |
| Dolj | | | | | 1 | | | | 1 | 4 | | | | | | | | | | | | | 4 | | | 5 |
| Galati | | | | | | | | | 0 | 6 | | | | | | | | | | | | | 6 | | | 6 |
| Gorj | | | | 1 | | | | | 1 | 48 | | | | | | | | | | | | | 48 | | | 49 |
| Harghita | | | | | | | | | 0 | 6 | | | | | | | | | | | | | 6 | | | 6 |
| Hunedoara | | | | | | | | | 0 | 3 | | | | | | | | | | | | | 3 | | | 3 |
| Ialomita | | 1 | | | | | | | 1 | 10 | | | | | | | | | | | | | 10 | | | 11 |
| Iasi | | | 1 | | | | | | 1 | 20 | | | | | | | | | | | | | 20 | | | 21 |
| Ifov | | | | | | | | | 0 | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Mehedinti | | | | | | | | | 0 | 3 | | | | | | | | | | | | | 3 | | | 3 |
| Mures | 3 | 1 | | | | | | | 4 | 35 | | | | | | | | | | | | | 35 | | | 39 |
| Neamt | | | | | | | | | 0 | 7 | | | | | | | | | | | | | 7 | | | 7 |
| Olt | 1 | | | | 3 | | | | 4 | 4 | | | | | | | | | | | | | 4 | | | 8 |
| Prahova | | | | | | | | | 0 | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Salaj | | | | | | | | | 0 | 24 | | | | | | | | | | | | | 24 | | | 24 |
| Satu Mare | | | | | | | | | 0 | 6 | | | | | | | | | | | | | 6 | | | 6 |
| Sibiu | | | | | | | | | 0 | 57 | | | | | | | | | | | | | 57 | | | 57 |
| Suceava | | | | | | | | | 0 | 39 | | | | | | | | | | | | | 39 | | | 39 |
| Teleorman | | | | | | | | | 0 | 18 | | | | | | | | | | | | | 18 | | | 18 |
| Timis | | 1 | | | | | | | 1 | 3 | | | | | | | | | | | | | 3 | | | 4 |
| Tulcea | | 1 | | | | | | | 1 | 2 | | | | | | | | | | | | | 2 | | | 3 |
| Vaslui | 2 | | | | | | | | 2 | 9 | | | | | | | | | | | | | 9 | | | 11 |
| Vrancea | | | | | | | | | 0 | 12 | | | | | | | | | | | | | 12 | | | 12 |
| TOTAL | 9 | 13 | 4 | 1 | 6 | 0 | 0 | 0 | 33 | 473 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 0 | 0 | 510 |
| PER CENT | 1,8% | 2,5% | 0,8% | 0,2% | 1,2% | 0,0% | 0,0% | 0,0% | 6,5% | 92,7% | 0,0% | 0,0% | 0,6% | 0,2% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 93,5% | 0,0% | 0,0% | 100% |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | | bat | Human cases | total | | |
|---------------------------------|------------------|--------------|--------------|-------------|---------------|-------------|-------------|-------------|--------------|--------------|----------------|-------------|-------------|-------------|-------------|---------------------|---------------------|-------------|-------------|-------------|----------------|-------------|--------------|-------------|-------------|-------------|
| | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | red deer | fallow deer | | | | other | subtotal |
| RUSSIAN FEDERATION | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adygeja resp. | 3 | | | | | | | | 3 | 5 | | | | | | | | | | | | | 5 | | | 8 |
| Astrahanskaja obl. | 9 | 8 | 5 | 1 | 3 | | 1 | | 27 | 1 | | | | | | | | | | | | | 1 | | | 28 |
| Belgorodskaja obl. | 30 | 24 | 4 | | 1 | | | | 59 | 15 | | | | | | | | | | | | | 15 | | | 74 |
| Brjanskaja obl. | 1 | 2 | | | | | | | 3 | 7 | 4 | | | | | | | | | | | | 11 | | | 14 |
| Cecenskaja resp. | | | 1 | | | | | | 1 | | | | | | | | | | | | | | 0 | | | 1 |
| Cuvasskaja resp. | 3 | | 2 | | 1 | | | | 6 | 7 | | | | | | | | | | | | | 7 | | | 13 |
| Dagestan resp. | 1 | | 1 | | | | | | 2 | | | | | | | | | | | | | | 0 | | | 2 |
| Ivanovskaja obl. | | | | | | | | | 0 | 6 | 1 | | | | | | | | | | | | 7 | | | 7 |
| Jaroslavskaja obl. | | | | | | | | | 0 | 10 | 1 | | | | | | | | | | | | 11 | | | 11 |
| Kabardino-Balkanskaja resp. | 4 | | 6 | | | | | | 10 | 1 | | | | | | | | | | | | | 1 | | | 11 |
| Kaliningradskaja obl. | | | | | | | | | 0 | 4 | | | | | | | | | | | | | 4 | | | 4 |
| Kalmykija resp. | | 3 | 7 | 1 | 5 | | | | 16 | | | | | | | | | | | | | | 0 | | | 16 |
| Kaluzskaja obl. | 13 | 4 | 12 | | | | | | 29 | 28 | 1 | | | | | | | 1 | | | | 1 | 31 | | | 60 |
| Karacaevo-Cerkesskaja resp. | | | | | 2 | | | | 2 | 2 | | | | | | | | | | | | | 2 | | | 4 |
| Kostromskaja obl. | 1 | | | | | | | | 1 | 14 | | | | | | | | | | | | | 14 | | | 15 |
| Krasnodarskij kr. | 13 | 5 | 2 | | | | 1 | | 21 | 8 | | | | | | 1 | | | | | | | 9 | | | 30 |
| Kurskaja obl. | 19 | 17 | 5 | | | | | | 41 | 33 | 2 | | | | | 1 | | | | | | | 36 | | | 77 |
| Lipeckaja obl. | 13 | 7 | 7 | 2 | 2 | | 5 | | 36 | 45 | | | | | | | | | | | | | 45 | | | 81 |
| Mordovija resp. | | | | | | | | | 0 | 7 | | | | | | | | | | | | | 7 | | | 7 |
| Moskovskaja obl. | 5 | 2 | | | | | 1 | | 8 | 45 | 10 | | | | | | | | | | | | 55 | | | 63 |
| Moskva g. | | 1 | | | | | | | 1 | | | | | | | | | | | | | | 0 | | | 1 |
| Nizgorodskaja obl. | 1 | | | | | | | | 1 | 8 | | | | | | | | | | | | | 8 | | | 9 |
| Novgorodskaja obl. | 1 | 1 | | | | | | | 2 | 2 | 4 | | 1 | | | | | | | | | | 7 | | | 9 |
| Orlovskaja obl. | 15 | 10 | 6 | | | | | | 31 | 26 | | | | | | | | | | | | | 26 | | | 57 |
| Penzenskaja obl. | 10 | 6 | | | | | | | 16 | 59 | | | | | | | | | | | | | 59 | | | 75 |
| Pskovskaja obl. | 1 | | | | | | | | 1 | 3 | 1 | 2 | | | | | | | | | | | 6 | | | 7 |
| Rjazanskaja obl. | 9 | 6 | 1 | | | 1 | | | 17 | 15 | | | | | | | | | | | | | 15 | | | 32 |
| Rostovskaja obl. | 9 | 9 | 5 | | 1 | | 4 | | 28 | 9 | | 1 | | | | | | | | | | | 10 | | | 38 |
| Saratovskaja obl. | 24 | 11 | 12 | 2 | | | | | 49 | 43 | | 1 | 1 | 1 | | | | | | | | | 46 | | | 95 |
| Severnaja Osetija-Alanija resp. | 8 | | 4 | | | | | | 12 | | | | | | | | | | | | | | 0 | | | 12 |
| Smolenskaja obl. | 5 | 1 | | | | | | | 6 | 10 | 6 | | | | | | | | | | | | 16 | | | 22 |
| Stavropol'skij kr. | 16 | 18 | 16 | | 2 | | 1 | | 53 | 9 | | | | | | | | | | | | | 9 | | | 62 |
| Tambovskaja obl. | 16 | 5 | 2 | | 1 | | | | 24 | 54 | | | | | | | | | | | | | 54 | | | 78 |
| Tul'skaja obl. | 16 | 6 | 2 | | 1 | | | | 25 | 35 | | | | | | | | | | | | | 35 | | | 60 |
| Tverskaja obl. | 5 | 1 | | | | | | | 6 | 11 | 9 | | | | | | | | | | | | 20 | | | 26 |
| Ul'janovskaja obl. | | | | | | | | | 0 | 2 | | | | | | | | | | | | | 2 | | | 2 |
| Vladimirskaja obl. | 1 | | | | | | | | 1 | 2 | | | | | | | | | | | | | 2 | | | 3 |
| Volgogradskaja obl. | 11 | 10 | 27 | 1 | 2 | | | | 51 | 12 | | | | 1 | | | | | | | | 1 | 14 | | | 65 |
| Voronezskaja obl. | 51 | 29 | 9 | 1 | 2 | | | | 92 | 37 | 1 | | | | | | | | | | | | 38 | | 1 | 131 |
| TOTAL | 314 | 186 | 136 | 8 | 23 | 1 | 13 | 0 | 681 | 575 | 40 | 0 | 4 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 628 | 0 | 1 | 1310 |
| PER CENT | 24,0% | 14,2% | 10,4% | 0,6% | 1,8% | 0,1% | 1,0% | 0,0% | 52,0% | 43,9% | 3,1% | 0,0% | 0,3% | 0,2% | 0,2% | 0,1% | 0,1% | 0,1% | 0,0% | 0,0% | 0,0% | 0,2% | 47,9% | 0,0% | 0,1% | 100% |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | | bat | Human cases | total | | | |
|-------------------|------------------|-------------|--------------|-------------|---------------|-------------|-------------|-------------|--------------|--------------|----------------|-------------|-------------|-------------|-------------|---------------------|---------------------|-------------|-------------|-------------|----------------|-------------|-------------|--------------|--------------|-------------|-------------|
| | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | red deer | fallow deer | | | | other | subtotal | |
| TURKEY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adana | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | 0 | | | 2 |
| Afyon | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | 0 | | | 2 |
| Antalya | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Aydin | 1 | 1 | 3 | | | | | | 5 | 3 | | | | | | | | | | | | | | 3 | | | 8 |
| Balikesir | 2 | | | | | | | | 2 | 1 | | | | | 1 | | | | | | | | | 2 | | | 4 |
| Denizli | 1 | | 2 | | 1 | | | | 4 | 4 | | | | | | | | | | | | | | 4 | | | 8 |
| Diyarbakir | 3 | | 2 | | | | | | 5 | | | | | | | | | | | | | | | 0 | | | 5 |
| Elazig | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Erzincan | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | 0 | | | 2 |
| Erzurum | 10 | | 4 | | | | | | 14 | | | | | | | | | | | | | | | 0 | | | 14 |
| Gaziantep | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Istanbul | 10 | | 1 | | | | | | 11 | | | | | | | | | | | | | | | 0 | | | 11 |
| Izmir | 1 | 1 | 4 | | | | | | 6 | | | | | | | | | | | | | | | 0 | | | 6 |
| Malatya | 1 | | | 1 | | | | | 2 | | | | | | | | | | | | | | | 0 | | | 2 |
| Manisa | 1 | | | | 1 | | | | 2 | 1 | | | | | | | | | | | | | | 1 | | | 3 |
| Mardin | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Mugla | | | 3 | | | | | | 3 | 2 | | | | | | | | | | | | | | 2 | | | 5 |
| Mus | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Sanliurfa | 3 | | 2 | | 1 | | | | 6 | | | | | | | | | | | | | | | 0 | | | 6 |
| Usak | 1 | | | | | | | | 1 | 11 | | | | | 1 | | | | | | | | | 12 | | | 13 |
| TOTAL | 38 | 2 | 26 | 2 | 3 | 0 | 0 | 0 | 71 | 23 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 96 |
| PER CENT | 39,6% | 2,1% | 27,1% | 2,1% | 3,1% | 0,0% | 0,0% | 0,0% | 74,0% | 24,0% | 0,0% | 0,0% | 0,0% | 0,0% | 2,1% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 26,0% | 0,0% | 0,0% | 100% |
| SLOVENIA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dolenjska | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Notranjsko-kraska | | | | | | | | | 0 | 1 | | | | | | | | | | | | | | 1 | | | 1 |
| Podravska | | | | | | | | | 0 | 10 | | | 1 | | | | | | | | | | | 11 | | | 11 |
| Savinjska | | | | | | | | | 0 | 7 | | | | | | | | | | | | | | 7 | | | 7 |
| Spodnje-posavska | 1 | | | | | | | | 1 | 5 | | | | | | | | | | | | | | 5 | | | 6 |
| TOTAL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 26 |
| PER CENT | 3,8% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 3,8% | 92,3% | 0,0% | 0,0% | 0,0% | 3,8% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 96,2% | 0,0% | 0,0% | 100% |
| SPAIN | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ceuta | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | 0 | | | 1 |
| Badajoz | | | | | | | | | 0 | | | | | | | | | | | | | | | 0 | 1 | | 1 |
| TOTAL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 |
| PER CENT | 50,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 50,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 0,0% | 50,0% | 0,0% | 100% |

4.2 Rabies cases per country and administrative units, 1st quarter 2008

01.01.08-31.03.08

| Location | Domestic animals | | | | | | | | | Wildlife | | | | | | | | | | | | bat | Human cases | total | | |
|-----------------------------|------------------|--------------|-------------|-------------|---------------|-------------|-------------|-------------|--------------|--------------|----------------|-------------|-------------|-------------|-------------|---------------------|---------------------|-------------|-------------|-------------|----------------|-------------|--------------|-------------|-------------|-------------|
| | dog | cat | cattle | equine | goat sheep | pig | stray dog | other | subtotal | fox | raccoon dog | raccoon | wolf | badger | marten | other mustelides | other carnivores | wild boar | roe deer | red deer | fallow deer | | | | other | subtotal |
| UKRAINE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Avtonomnaya Respublika Krym | 1 | 1 | | | | | | | 2 | | 1 | | | | | | | | | | | | 1 | | | 3 |
| Bolynskaja o. | 4 | | | | | | | | 4 | 3 | | | | | | | | | | | | | 3 | | | 7 |
| Cherkasskaja o. | 8 | 12 | 3 | | | | | | 23 | 11 | | 1 | | | | | | | | | | | 12 | | | 35 |
| Chernigovskaja o. | 17 | 23 | 5 | | 1 | | | | 46 | 33 | 5 | | | 1 | | | | | | | | | 39 | | | 85 |
| Dnepropetrovskaja o. | 12 | 10 | 4 | | | | | | 26 | 8 | | | | | | | | | | | | | 8 | | | 34 |
| Donetskaja o. | 31 | 16 | 2 | | | | | | 49 | 6 | | | | | | | | | | | | | 6 | | 1 | 56 |
| Ivano-Frankovskaja o. | 1 | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | 2 | | | 3 |
| Khar'kovskaja o. | 14 | 8 | 1 | | | | | | 23 | 10 | | | | | | | | | | | | | 10 | | 1 | 34 |
| Khersonskaja o. | 14 | 19 | 8 | 6 | 1 | | | | 34 | 43 | | 2 | | | | | | | | | | | 45 | | | 79 |
| Khmel'nitskaja o. | 14 | 9 | 3 | | | | | | 26 | 36 | | | | | | | | | | | | | 36 | | | 62 |
| Kirovogradskaja o. | 5 | 5 | | | | | | | 10 | 3 | | | | | | | | | | | | | 3 | | | 13 |
| Kiyevskaja o. | | 1 | | | | | | | 1 | 13 | | | | | | | | | | | | | 13 | | | 14 |
| Luganskaja o. | 22 | 10 | 4 | 1 | | | | | 37 | 13 | | | | | | | | | | | | | 13 | | | 50 |
| L'vovskaja o. | | | | | | | | | 0 | 1 | | | | | | | | | | | | | 1 | | | 1 |
| Nikolajevskaja o. | 13 | 4 | 3 | | | | | | 20 | 10 | | | 1 | | 1 | | | | | | | | 12 | | | 32 |
| Odesskaja o. | 9 | 2 | 1 | | | | | | 12 | 16 | 1 | | | | | | | | | | | | 17 | | | 29 |
| Poltavskaja o. | 19 | 19 | 2 | | | | | | 40 | 14 | | | | | | | | | | | | | 14 | | | 54 |
| Rovenskaja o. | | 2 | | | | | | | 2 | 4 | | | | | | | | | | | | | 4 | | | 6 |
| Sumskaja o. | 23 | 19 | 4 | | 1 | | | | 47 | 29 | | | | 1 | 1 | | | | 1 | | | | 32 | | | 79 |
| Ternopol'skaja o. | 3 | 5 | | | | | | | 8 | 10 | | | | | | | | | | | | | 10 | | | 18 |
| Vinnitskaja o. | 6 | 8 | | | | | | | 14 | 28 | | | | | | | | | | | | | 28 | | | 42 |
| Zakarpatskaja o. | 1 | 1 | | | | | | | 2 | 3 | | | | | | | | | 1 | | | | 4 | | | 6 |
| Zaporozhskaja o. | 26 | 28 | 8 | | | | | | 62 | 14 | | 1 | | | | | | | | | | | 15 | | | 77 |
| Zhitomirskaja o. | 10 | 2 | 1 | | | | | | 13 | 29 | | 1 | | 1 | | | | | | | | | 31 | | | 44 |
| TOTAL | 239 | 204 | 49 | 7 | 3 | 0 | 0 | 0 | 502 | 338 | 7 | 4 | 2 | 2 | 4 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 359 | 0 | 2 | 863 |
| PER CENT | 27,7% | 23,6% | 5,7% | 0,8% | 0,3% | 0,0% | 0,0% | 0,0% | 58,2% | 39,2% | 0,8% | 0,5% | 0,2% | 0,2% | 0,5% | 0,0% | 0,0% | 0,0% | 0,2% | 0,0% | 0,0% | 0,0% | 41,6% | 0,0% | 0,2% | 100% |

4.3 Trend tables

4.3.1 Comparison of the reporting quarter (I/2008) with the previous quarter (IV/2007)

| NAME | Total | | | Wildlife | | | Domestic animals | | | Bats | | | Human | | |
|----------------------------|--------------|---------------|-------------|--------------|---------------|------------|------------------|---------------|-------------|--------------|---------------|------------|--------------|---------------|------------|
| | I 2008 (no.) | IV 2007 (no.) | Difference | I 2008 (no.) | IV 2007 (no.) | Difference | I 2008 (no.) | IV 2007 (no.) | Difference | I 2008 (no.) | IV 2007 (no.) | Difference | I 2008 (no.) | IV 2007 (no.) | Difference |
| Albania | | | | | | | | | | | | | | | |
| Austria | | | | | | | | | | | | | | | |
| Belarus | 288 | 240 | 48 | 225 | 179 | 46 | 63 | 61 | 2 | | | | | | |
| Belgium | | | | | | | | | | | | | | | |
| Bosnia - Hercegovina | 37 | 30 | 7 | 34 | 27 | 7 | 3 | 3 | | | | | | | |
| Bulgaria | 12 | 3 | 9 | 9 | 1 | 8 | 3 | 2 | 1 | | | | | | |
| Croatia | 384 | 240 | 144 | 349 | 229 | 120 | 35 | 11 | 24 | | | | | | |
| Cyprus | | | | | | | | | | | | | | | |
| Czech Republic | | | | | | | | | | | | | | | |
| Denmark | | | | | | | | | | | | | | | |
| Estonia | 3 | | 3 | 1 | | 1 | 2 | | 2 | | | | | | |
| Finland | | | | | | | | | | | | | | | |
| France | 2 | 3 | -1 | | | | 1 | 1 | | 1 | 2 | -1 | | | |
| Germany | | 1 | -1 | | | | | | | | 1 | -1 | | | |
| Greece | | | | | | | | | | | | | | | |
| Hungary | | 1 | -1 | | | | | 1 | -1 | | | | | | |
| Iceland | | | | | | | | | | | | | | | |
| Ireland | | | | | | | | | | | | | | | |
| Italy | | | | | | | | | | | | | | | |
| Latvia | 43 | 44 | -1 | 33 | 39 | -6 | 10 | 5 | 5 | | | | | | |
| Lithuania | 21 | 53 | -32 | 16 | 41 | -25 | 5 | 12 | -7 | | | | | | |
| Luxembourg | | | | | | | | | | | | | | | |
| Macedonia | | | | | | | | | | | | | | | |
| Malta | | | | | | | | | | | | | | | |
| Moldova* | | | | | | | | | | | | | | | |
| Montenegro | 9 | 6 | 3 | 9 | 5 | 4 | | 1 | -1 | | | | | | |
| Norway | | | | | | | | | | | | | | | |
| Poland | 11 | 22 | -11 | 8 | 16 | -8 | 3 | 6 | -3 | | | | | | |
| Portugal | | | | | | | | | | | | | | | |
| Romania | 510 | 200 | 310 | 477 | 155 | 322 | 33 | 45 | -12 | | | | | | |
| Russian Federation | 1310 | 1871 | -561 | 628 | 797 | -169 | 681 | 1069 | -388 | | | | 1 | 5 | -4 |
| Serbia | 98 | 39 | 59 | 92 | 36 | 56 | 6 | 3 | 3 | | | | | | |
| Slovak Republic | | | | | | | | | | | | | | | |
| Slovenia | 26 | 2 | 24 | 25 | 2 | 23 | 1 | | 1 | | | | | | |
| Spain | 2 | 1 | 1 | | | | 1 | | 1 | 1 | 1 | | | | |
| Sweden | | | | | | | | | | | | | | | |
| Switzerland + Lichtenstein | | | | | | | | | | | | | | | |
| The Netherlands | | 1 | -1 | | | | | | | | 1 | -1 | | | |
| Turkey | 96 | 84 | 12 | 25 | 5 | 20 | 71 | 79 | -8 | | | | | | |
| Ukraine | 863 | 1461 | -598 | 359 | 645 | -286 | 502 | 816 | -314 | | | | 2 | | 2 |
| United Kingdom | | | | | | | | | | | | | | | |
| TOTAL | 3715 | 4302 | -587 | 2290 | 2177 | 113 | 1420 | 2115 | -695 | 2 | 5 | -3 | 3 | 5 | -2 |

Wildlife: excluding bats

I/2008 (no.), IV/2007 (no.): number of cases

Difference: no. of cases in I/2008 minus cases in IV/2007

* no data

4.3.2 Comparison of the reporting quarter (I/2008) with the same quarter of the previous year (I/2007)

| NAME | Total | | | Wildlife | | | Domestic animals | | | Bats | | | Human | | |
|----------------------------|--------------|--------------|-------------|--------------|--------------|-------------|------------------|--------------|------------|--------------|--------------|------------|--------------|--------------|------------|
| | I 2008 (no.) | I 2007 (no.) | Difference | I 2008 (no.) | I 2007 (no.) | Difference | I 2008 (no.) | I 2007 (no.) | Difference | I 2008 (no.) | I 2007 (no.) | Difference | I 2008 (no.) | I 2007 (no.) | Difference |
| Albania | | | | | | | | | | | | | | | |
| Austria | | | | | | | | | | | | | | | |
| Belarus | 288 | 264 | 24 | 225 | 186 | 39 | 63 | 78 | -15 | | | | | | |
| Belgium | | | | | | | | | | | | | | | |
| Bosnia - Hercegovina | 37 | 9 | 28 | 34 | 7 | 27 | 3 | 2 | 1 | | | | | | |
| Bulgaria | 12 | 13 | -1 | 9 | 10 | -1 | 3 | 3 | | | | | | | |
| Croatia | 384 | 204 | 180 | 349 | 186 | 163 | 35 | 18 | 17 | | | | | | |
| Cyprus | | | | | | | | | | | | | | | |
| Czech Republic | | | | | | | | | | | | | | | |
| Denmark | | | | | | | | | | | | | | | |
| Estonia | 3 | 1 | 2 | 1 | | 1 | 2 | 1 | 1 | | | | | | |
| Finland | | | | | | | | | | | | | | | |
| France | 2 | | 2 | | | | 1 | | 1 | 1 | | 1 | | | |
| Germany | | | | | | | | | | | | | | | |
| Greece | | | | | | | | | | | | | | | |
| Hungary | | 1 | -1 | | 1 | -1 | | | | | | | | | |
| Iceland | | | | | | | | | | | | | | | |
| Ireland | | | | | | | | | | | | | | | |
| Italy | | | | | | | | | | | | | | | |
| Latvia | 43 | 72 | -29 | 33 | 47 | -14 | 10 | 25 | -15 | | | | | | |
| Lithuania | 21 | 195 | -174 | 16 | 145 | -129 | 5 | 50 | -45 | | | | | | |
| Luxembourg | | | | | | | | | | | | | | | |
| Macedonia | | | | | | | | | | | | | | | |
| Malta | | | | | | | | | | | | | | | |
| Moldova | * | * | | * | * | | * | * | | * | * | | * | * | |
| Montenegro | 9 | 7 | 2 | 9 | 7 | 2 | | | | | | | | | |
| Norway | | | | | | | | | | | | | | | |
| Poland | 11 | 19 | -8 | 8 | 16 | -8 | 3 | 3 | 0 | | | | | | |
| Portugal | | | | | | | | | | | | | | | |
| Romania | 510 | 71 | 439 | 477 | 54 | 423 | 33 | 16 | 17 | | | | | 1 | -1 |
| Russian Federation | 1310 | 478 | 832 | 628 | 211 | 417 | 681 | 267 | 414 | | | | 1 | | 1 |
| Serbia | 98 | 69 | 29 | 92 | 62 | 30 | 6 | 7 | -1 | | | | | | |
| Slovak Republic | | | | | | | | | | | | | | | |
| Slovenia | 26 | 1 | 25 | 25 | 1 | 24 | 1 | | 1 | | | | | | |
| Spain | 2 | | 2 | | | | 1 | | 1 | 1 | | 1 | | | |
| Sweden | | | | | | | | | | | | | | | |
| Switzerland + Lichtenstein | | | | | | | | | | | | | | | |
| The Netherlands | | 1 | -1 | | | | | | | | 1 | -1 | | | |
| Turkey | 96 | 76 | 20 | 25 | 8 | 17 | 71 | 68 | 3 | | | | | | |
| Ukraine | 863 | 584 | 279 | 359 | 293 | 66 | 502 | 290 | 212 | | | | 2 | 1 | 1 |
| United Kingdom | | | | | | | | | | | | | | | |
| TOTAL | 3715 | 2065 | 1650 | 2290 | 1234 | 1056 | 1420 | 828 | 592 | 2 | 1 | 1 | 3 | 2 | 1 |

Wildlife: excluding bats

I/2008 (no.), I/2007 (no.): number of cases

Difference: no. of cases in I/2008 minus cases in I/2007

* no data

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Please inform the editor about changes
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RABIES CASES EUROPE
1st QUARTER 2008
3715 CASES REPORTED

2 BAT RABIES CASES INCLUDED
3 HUMAN RABIES CASES INCLUDED

rabies free (terrestrial rabies)
no data

200 km

Black Sea

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