

RABIES BULLETIN EUROPE

Volume 36 No 1 Quarter 1 2012

Published September 2012

CONTENTS

1	Editorial	3
2	Summary of rabies cases in Europe	4
3	Miscellaneous Article	
3.1	Advocating for Rabies Control	5
3.2	Obituary: Jim Cox	9
4.1	Country summaries of rabies cases, 1 st quarter 2012	10
4.2	Rabies cases per country and administrative units, 1 st quarter 2011	11
4.3	Trend tables	
4.3.1	Comparison of the reporting quarter (I/2012) with the previous quarter (IV/2011)	17
4.3.2	Comparison of the reporting quarter (I/2012) with the same quarter of the previous year (I/2011)	18
	List of contributors	19
	Map of rabies cases in Europe, 1 st quarter 2012	

Principal Editor: Dr. Conrad Freuling
Associated Editor: Dr. Thomas Müller
Technical Support: Elke Reinking
Dr. Jens Schell
Contact: WHO Collaborating Centre for Rabies Surveillance and Research
Institute of Molecular Biology, Friedrich-Loeffler-Institut
- Federal Research Institute for Animal Health –
Südufer 10, 17493 Greifswald - Insel Riems, Germany
tel: ..49 38351 71660/659
fax: ..49 38351 71174
email: who-rabies@fli.bund.de
Print: Druckhaus Panzig
Studentenberg 1a
D-17489 Greifswald
www.druckhaus-panzig.de

ISSN 0257-8506

The Rabies Bulletin Europe is also available online: www.who-rabies-bulletin.org.

Acknowledgements

The Rabies Bulletin Europe is supported by the:

World Health Organization, Geneva
World Organisation for Animal Health (OIE), Paris

Gratefully acknowledged is the financial support of the WHO Collaborating Centre by the

Bundesministerium für Gesundheit and by the Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz, Germany

1. Editorial

Five years ago, the inaugural World Rabies Day in 2007 saw events in 74 countries, reaching 54.3 million people worldwide. Over the past 5 years, more than 150 countries has participated, educating 182 million people and vaccinating 7.7 million animals. We are proud to present a miscellaneous article on this topic by the Global Alliance for Rabies Control. We herewith encourage all European countries to actively take part in the upcoming World Rabies Day on the 28th of September to raise awareness and to continue efforts in controlling the disease. Please take note that the 3rd Annual World Rabies Day Webinar (<http://webinar.worldrabiesday.org>) is held on September 20-21, 2012. Presentations on rabies related topics from all over the world will be presented.

The second article is an obituary for Jim Cox, a former staff member of the WHO Collaborating Centre for Rabies Surveillance and Research who passed away early this year.

In this issue we present rabies data for the 1st quarter of 2012. A total number of 1414 cases also comprise three human rabies cases from Belarus, Rumania and the Russian Federation. Those Eastern European countries alongside with the Ukraine contribute to the majority of cases reported.

Conrad Freuling
Thomas Müller

2. Summary of Rabies Cases in Europe

RABIES CASES

1st QUARTER 2012

01.01.12-31.03.12

Name	Code	Total	Wildlife	Domestic animals	Bats	Human
Albania	ALB	0	0	0		
Austria	AUT	0	0	0		
Belarus	BLR	143	91	51		1
Belgium	BEL	0	0	0		
Bosnia - Hercegovina	BIH	1	1	0		
Bulgaria	BGR	0	0	0		
Croatia	HRV	54	49	5		
Cyprus	CYP	0	0	0		
Czech Republic	CZH	0	0	0		
Denmark	DNK	0	0	0		
Estonia	EST	0	0	0		
Finland	FIN	0	0	0		
France	FRA	0	0	0		
Germany	DEU	0	0	0		
Greece	GRC	0	0	0		
Hungary	HUN	0	0	0		
Iceland	ISL	0	0	0		
Ireland	IRE	0	0	0		
Italy	ITA	0	0	0		
Latvia	LVA	0	0	0		
Lithuania	LTU	4	3	1		
Luxembourg	LUX	0	0	0		
Macedonia	MKD	3	2	1		
Malta	MLT	0	0	0		
Moldova	MDA	48	11	37		
Montenegro	MNE	1	0	1		
Norway	NOR	0	0	0		
Poland	POL	36	32	4		
Portugal	PRT	0	0	0		
Romania	ROU	154	124	29		1
Russian Federation	RUS	311	165	145		1
Serbia	SRB	12	12	0		
Slovak Republic	SVK	0	0	0		
Slovenia	SVN	1	1	0		
Spain	ESP	1	0	1		
Sweden	SWE	0	0	0		
Switzerland + Liec.	CHE	0	0	0		
The Netherlands	NED	8	0	1	7	
Turkey	TUR	96	15	81		
Ukraine	UKR	541	241	300		
United Kingdom	UNK	0	0	0		
TOTAL		1414	747	657	7	3

Wildlife: excluding bats

3. Miscellaneous Articles

3. 1 Advocating for Rabies Control

L. Taylor, P. Costa, D. Briggs

Global Alliance for Rabies Control, 529 Humbolt Street, Suite 1, Manhattan, Kansas, 66502, USA

Rabies is a preventable disease, yet still tens of thousands of people die from it needlessly. Since its beginnings in 2006, the Global Alliance for Rabies Control (GARC, 2012a) has dedicated itself to educating all people, everywhere about the risks of rabies, helping people to be proactive in their own communities and advocating at international levels for increased resources to control and prevent deaths due to rabies.

Started by a handful of rabies researchers, ARC and then GARC were registered as charities in Scotland (2006) and the US (2007) respectively. With very limited resources it has achieved a lot with a few key staff and a huge number of volunteers worldwide doing what they can to further rabies control efforts.



GLOBAL ALLIANCE
FOR RABIES CONTROL

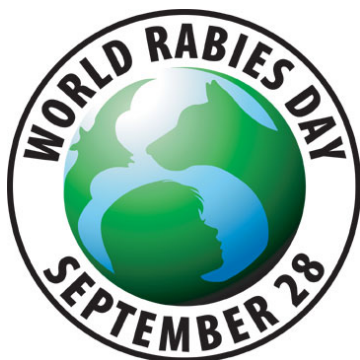
GARC's worldwide community includes everyone, from international health organizations, to workers in the field, to members of the public and anyone with an interest in and a desire to help in rabies control efforts worldwide. The organization has utilized technology to allow everyone with an internet

connection to access to up to date information, resources and news about rabies. Our emails, websites, electronic newsletter, social media tools and webinar platform allow us to efficiently provide access in a way that has not been available previously. Importantly, information flows in both directions with resources developed by GARC and other large organizations being shared with our community and vice versa, to the benefit of all.

After identifying the need to connect people and to share resources to further education about rabies, our work is guided by an assessment of what is missing. Our limited resources are not best spent replicating or replacing existing excellent guidelines and information, but by widening access to these resources and filling gaps.

The World Rabies Day campaign (GARC, 2012c) was built upon the need to increase rabies' profile both within countries and across the world. Many, many people were working tirelessly for rabies control across the world, but without recognition outside their immediate communities there is less motivation and less investment in their efforts. The WRD campaign has encouraged these people, helped them to reach more people and animals, and enabled many others to join them. The inaugural World Rabies Day in 2007 saw events in 74 countries, reaching 54.3 million people worldwide. Over the past 5 years, more than 150 countries has participated, educating 182 million people and vaccinating 7.7 million animals.

This strength in numbers has been officially recognized by international partners such as the WHO and OIE who officially encouraged member countries to hold WRD events at a recent meeting dedicated to rabies control in Seoul. Collated within the WRD website is an Education Bank (GARC, 2012b) of numerous resources that are freely available to help people hold WRD events and any carry out other rabies control activities. It includes materials specifically designed for veterinarians, clinicians, humane organizations, teachers, children, healthcare workers and pet owners, with materials in many different languages and our community is encouraged to translate and adapt materials for their purposes and resubmit the new materials for the benefit of all.



Access to up to date information and research ideas is often hard for people in resource-poor countries, so a webinar platform has been utilized to allow a global audience to attend, and importantly to contribute their experiences and knowledge to, annual virtual conference on rabies control. Freely accessible by individuals or groups within institutions, these conferences have been attended by thousands of people from 83 countries over the past 2 years, and the third webinar is planned for September this year.

Now moving towards a year round campaign and with regionalized initiatives such as specific outreach projects for Africa, the WRD campaign is constantly evolving to better fulfill its mission and to fill gaps.

GARC was instrumental in establishing the Partners for Rabies Prevention (PRP) (Lembo et al., 2011), an informal group which brings together all the major stakeholders in rabies control to sit together and try to tackle the neglect that rabies has traditionally received at national and international levels. The informal nature of the group allows us to invite representatives from international health organizations (such as WHO, FAO, OIE), government and research institutions, charitable foundations with an interest in international health and private companies such as rabies vaccine manufacturers to talk openly about the barriers that prevent rabies control being more effective.

Another resource developed by the PRP to fill a gap is the online Blueprint for Rabies Control (Lembo, 2012; Partners for Rabies Prevention, 2012) Documentation on how to effectively control canine rabies is available, but previously not easily accessible by outsiders. Now anyone can access all the relevant, up to date practical guidance necessary to design an effective and sustainable rabies control program. Illustrating successes with case histories taken from our community's experiences has allowed us to again help information to flow both to and between people working on the ground in rabies control, innovating ways to tackling their local issues. The resource has been translated into a number of languages, and a new module on the control of wildlife rabies, starting with fox

rabies as a model will soon be available.

One need identified from the start has been a lack of well documented successful rabies control projects in developing countries. By combining its global expertise, the PRP successfully gained funding for the Bohol Rabies Elimination Project, in the Philippines. Through a hugely intersectoral approach with a large emphasis on community participation through volunteerism, this project ended endemic canine rabies transmission in Bohol within 2 years and is now a sustainable model for control that is being replicated elsewhere in the region (Lapiz et al., in press). It also overturned a widely held belief that asking communities to pay a small amount towards vaccination of their dogs would not work.



Rabies is an ancient and well known health problem, but accurate data are notoriously lacking, especially for the countries where its impact is greatest. Through the PRP, surveys of the global rabies situation have been instigated to help provide our best estimates of the impact of rabies in terms of the numbers of deaths, and the economic impact on countries and their people of living with the risk of rabies. The PRP is also conducting a

global survey of rabies reporting systems around the world in an effort to promote better data collection and dissemination. Without accurate data on human and animal deaths and economics of these, it is hard to provide governments and international authorities with the information they need to examine the cost-effectiveness of rabies control policies.

Finally, whilst almost all deaths due to rabies can be prevented currently, that is not to say that improvements could not make it cheaper and easier. One of the largest gaps in rabies control currently is in tools for humane and cost-effective dog population control. Through the PRP, we are working with other organizations towards a combined rabies vaccine and immunocontraceptive for dogs. This tool is still a long way off, but could revolutionize canine rabies control – and help eliminate almost all human deaths due to rabies. More effective ways to reduce the burden of wildlife rabies (particularly from bats) through means such as pre-exposure vaccination for high risk communities far from health services are also being considered. Rabies is a public health problem affecting more than half of the world's population. To solve it we need innovation and a multisectoral approach. Untold lives are being saved around the world by individuals and small organizations vaccinating dogs, educating people about the risks, and ensuring that bite victims seek and receive the treatment that they need to save their lives. These efforts are now being promoted widely as examples for others to follow and importantly to demonstrate that there is not only a need for improved rabies control, but a desire to do something to help. GARC's strategy

has been to work with everyone who can contribute, to acknowledge that stakeholders in rabies control include representatives from health, veterinary, public safety, legal, education and social welfare fields and critically, the community itself. We seek to build a global force of rabies advocates from individuals working in their communities to international health organizations, to arm them with the data and experience to show what more investment in rabies control could achieve for the world, and to combine the strengths of both top down and bottom up approaches to rabies control.

References:

GARC. (2012a). Global Alliance for Rabies Control website. Retrieved July 16th, 2012, from www.rabiescontrol.net

GARC. (2012b). World rabies day education bank. Retrieved July 16th, 2012, from <http://www.worldrabiesday.org/EN/education-bank.html>

GARC. (2012c). World rabies day website. Retrieved July 16th,

2012, from <http://www.worldrabiesday.org/>

Lapiz, SM, Miranda, ME, Garcia, R, Daguro, L, Paman, M, Madrinan, F, . . . Briggs, D. (in press). *A showcase model canine rabies prevention elimination program: The bohól rabies project*. Paper presented at the OIE Global Rabies Conference Incheon–Seoul (Republic of Korea), 7-9 September 2011.

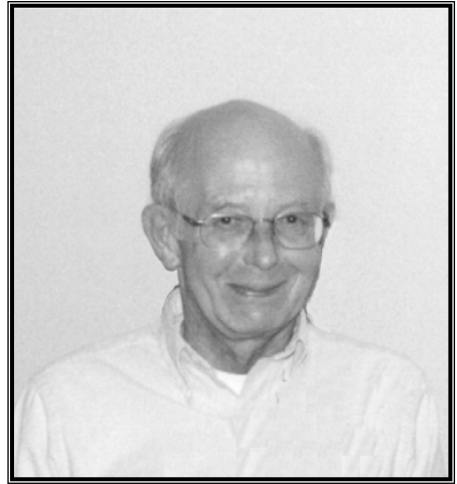
Lembo, T. (2012). The blueprint for rabies prevention and control: A novel operational toolkit for rabies elimination. *PLoS Negl Trop Dis*, 6(2), e1388. doi: 10.1371/journal.pntd.0001388

Lembo, T., Attlan, M., Bourhy, H., Cleaveland, S., Costa, P., de Balogh, K., . . . Briggs, D. J. (2011). Renewed global partnerships and redesigned roadmaps for rabies prevention and control. *Vet Med Int*, 2011, 923149. doi: 10.4061/2011/923149

Partners for Rabies Prevention. (2012). Blueprint for rabies prevention and control. Retrieved July 16th, 2012, from <http://www.rabiesblueprint.com/>

3. 2 Obituary: Jim Cox

On March 27 this year, the German rabies community lost one of its most active virologists in the field of research when Dr. James H. (Jim) Cox died in Tübingen. Jim Cox was born in Shreveport, Louisiana, USA and held a Bachelor of Science degree when he decided to continue his scientific career in Germany where he developed new roots in Tübingen. After working at the University and the Max-Planck-Institute for Virus Research he joined the rabies group at the former Federal Research Centre of Virus Diseases of Animals in Tübingen (now the Friedrich-Loeffler-Institut), where rabies virus research had been established in the 1960's by Dr. Lothar Schneider. Jim Cox started his work just in time to contribute significantly to the analysis of viral proteins, the establishment of serological tests for characterizing the various rabies virus strains and the introduction of tissue culture methods to replace time-consuming animal experiments. Jim also played a decisive role in the development of oral immunization of foxes against rabies by his substantial contributions to the development of an oral rabies virus vaccine most extensively used in Europe. His wealth of experimental knowledge, his intense focus on particular problems and his calm way made him an essential and much esteemed member of this research team. A research aspect of Jim at that time that has not lost its importance was the development and characterization of monoclonal antibodies against various rabies virus components. While this was a powerful tool for the diagnosis and characterization of rabies virus strains at the time, the antibodies he characterized are part of a cocktail



Jim Cox at the time of retirement in 2003

that may eventually replace or complement equine or human rabies immunoglobulin for human post exposure prophylaxis. At the time he preferred to act mainly behind the stage, but his results have been published in many peer-reviewed journals and they are highly acknowledged by the international rabies research community. Jim had retired in 2003. He is survived by his wife and his son.

Prof. Dr. Dr. h.c. Thomas C. Mettenleiter
President of the Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Greifswald-Insel Riems

4. Distribution of Rabies in Europe

4.1 Country summaries of rabies cases, 1st quarter 2012

01.01.12-31.03.12

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 mustelides	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	29	14	4	2	1		1		51	84	3		1		1	1					1	91		1	143	
Belgium	BEL *									0														0		0	
Bosnia - Hercegovina	BIH									0	1												1			1	
Bulgaria	BGR *									0														0		0	
Croatia	HRV	2		2		1				5	48				1								49			54	
Cyprus	CYP *									0													0			0	
Czech Republic	CZH *									0													0			0	
Denmark	DNK *									0													0			0	
Estonia	EST *									0													0			0	
Finland	FIN *									0													0			0	
France	FRA *									0													0			0	
Germany	DEU *									0													0			0	
Greece	GRC *									0													0			0	
Hungary	HUN *									0													0			0	
Iceland	ISL *									0													0			0	
Ireland	IRE *									0													0			0	
Italy	ITA *									0													0			0	
Latvia	LVA *									0													0			0	
Lithuania	LTU		1							1	1	2											3			4	
Luxembourg	LUX *									0													0			0	
Macedonia	MKD		1							1				2									2			3	
Malta	MLT *									0													0			0	
Moldova	MDA	8	7	12		10				37	10											1	11			48	
Montenegro	MNE		1							1													0			1	
Norway	NOR *									0													0			0	
Poland	POL	2	1	1						4	32												32			36	
Portugal	PRT *									0													0			0	
Romania	ROU	16	7	2		1	3			29	119			1		1	3						124		1	154	
Russian Federation	RUS	65	64	11				5		145	150	11		2		1					1		165		1	311	
Serbia	SRB									0	11												12			12	
Slovak Republic	SVK *									0													0			0	
Slovenia	SVN									0	1												1			1	
Spain	ESP	1								1													0			1	
Sweden	SWE *									0													0			0	
Switzerland + Lichtenstein	CHE *									0													0			0	
The Netherlands	NED	1								1													0	7		8	
Turkey	TUR	49	3	25	1	3				81	13			2									15			96	
Ukraine	UKR	127	142	19	3	4	2		3	300	224	2	2	2	2	6				1			2	241		541	
United Kingdom	UNK *									0													0			0	
TOTAL		300	241	76	6	20	5	6	3	657	694	18	2	10	2	9	4	1	0	1	0	1	5	747	7	3	1414
PER CENT		21,2%	17,0%	5,4%	0,4%	1,4%	0,4%	0,4%	0,2%	46,5%	49,1%	1,3%	0,1%	0,7%	0,1%	0,6%	0,3%	0,1%	0,0%	0,1%	0,0%	0,1%	0,4%	52,8%	0,5%	0,2%	100%

* no cases

** no data

4.2 Rabies cases per country and administrative units, 1st quarter 2012

01.01.12-31.03.12

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
BELARUS																											
Brest	1	1	1						3	10				1											11		14
Gomel	5	5	1						11	12							1								13		24
Grodno	3	2	1		1				7	16	1														17		24
Minsk	10	2	1	1					14	14								1					1		16		30
Mogilev	5	3		1			1		10	27	1														28	1	39
Vitebsk	5	1							6	5	1														6		12
TOTAL	29	14	4	2	1	0	1	0	51	84	3	0	1	0	0	1	1	0	0	0	0	0	1	91	0	1	143
PER CENT	20,3%	9,8%	2,8%	1,4%	0,7%	0,0%	0,7%	0,0%	35,7%	58,7%	2,1%	0,0%	0,7%	0,0%	0,0%	0,7%	0,7%	0,0%	0,0%	0,0%	0,0%	0,0%	0,7%	63,6%	0,0%	0,7%	100%
BOSNIA - HERCEGOVINA																											
* no region specified									0	1															1		1
TOTAL	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
PER CENT	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	100,0%	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%	100,0%	0,0%	0,0%	100%
CROATIA																											
Bjelovarsko - Bilogorska	1								1	1														1			2
Krapinsko - Zagorska									0	3														3			3
Osjesko - Baranjska									0	2														2			2
Pozesko - Slovanska									0	1														1			1
Sibensko - Kninska									0	1														1			1
Sisacko - Moslovska	1		2		1				4	12														12			16
Splitzko - Dalmatinska									0	13					1									14			14
Varazdinska									0	5														5			5
Vukovarsko - Srijemska									0	1														1			1
Zadarska									0	6														6			6
Zagrebacka									0	3														3			3
TOTAL	2	0	2	0	1	0	0	0	5	48	0	0	0	0	1	0	0	0	0	0	0	0	0	49	0	0	54
PER CENT	3,7%	0,0%	3,7%	0,0%	1,9%	0,0%	0,0%	0,0%	9,3%	88,9%	0,0%	0,0%	0,0%	0,0%	1,9%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	90,7%	0,0%	0,0%	100%

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
POLAND																													
Malopolskie									0	2																2		2	
Podkarpackie	2	1							3	28																28		31	
Podlaskie			1						1	1																1		2	
Warminsko-Mazurskie									0	1																1		1	
TOTAL	2	1	1	0	0	0	0	0	4	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	0	36	
PER CENT	5,6%	2,8%	2,8%	0,0%	0,0%	0,0%	0,0%	0,0%	11,1%	88,9%	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%	88,9%	0,0%	100%	
SLOVENIA																													
Podravska									0	1																1		1	
TOTAL	0	0	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	1	
PER CENT	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	100,0%	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%	100,0%	0,0%	100%	
SPAIN																													
Ciudad Autonoma de Meilla	1								1																	0		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	0	0	0	1	
PER CENT	100,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	100,0%	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%	0,0%	0,0%	0,0%	100%	
THE NETHERLANDS																													
Drenthe									0																	0	2	2	
Gelderland									0																	0	2	2	
Noord-Holland	1								1																	0	2	3	
Zuid-Holland									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	0	0	7	8	
PER CENT	12,5%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	12,5%	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%	0,0%	0,0%	87,5%	100%	
LITHUANIA																													
Ulenos									0	1																1		1	
Vilniaus		1							1	1	1															2		3	
TOTAL	0	1	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	
PER CENT	0,0%	25,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	25,0%	25,0%	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%	75,0%	0,0%	100%	
SERBIA																													
* no region specified									0	11																1	12	12	
TOTAL	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12	0	12
PER CENT	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	91,7%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	8,3%	100,0%	0,0%	100%	

4.2 Rabies cases per country and administrative units, 1st quarter 2012 (continued)

01.01.12-31.03.12

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	1								1	3														3			4
Arad									0	1														1			1
Bacau	1								1	4							1							5		1	7
Bihor									0	1														1			1
Bistrita-Nasaud									0	11														11			11
Bolosani	1								1	2														2			3
Braila									0	1														1			1
Brasov									0	3														3			3
Buzau	1								1															0			1
Calarasi									0	2														2			2
Cluj	3								3				1											1			4
Constanta	4								4	1														1			5
Covasna		1							1	2					1									3			4
Dambovita									0	9														9			9
Galati		1							1															0			1
Gorj					1				1	5														5			6
Hunedoara									0	4														4			4
Ialomita									0	1														1			1
Iasi			2						2	8														8			10
Maramures		1							1	3														3			4
Mures									0	9							1							10			10
Neamt	1								1	2														2			3
Olt	1								1	1														1			2
Prahova	1	2							3	8														8			11
Salaj									0	4							1							5			5
Satu Mare									0	7														7			7
Sibiu									0	13														13			13
Suceava	1								1	9														9			10
Tulcea		1							1															0			1
Valcea		1							1	1														1			2
Vaslui	1					3			4	2														2			6
Vrancea									0	2														2			2
TOTAL	16	7	2	0	1	3	0	0	29	119	0	0	1	0	1	3	0	0	0	0	0	0	0	124	0	1	154
PER CENT	10.4%	4.5%	1.3%	0.0%	0.6%	1.9%	0.0%	0.0%	18.8%	77.3%	0.0%	0.0%	0.6%	0.0%	0.6%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	80.5%	0.0%	0.6%	100%	

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																														
Astrahanskaja obl.	3	10	2				1		16					1												1		17		
Belgorodskaja obl.	6	4							10	5				1												6		16		
Brjanskaja obl.	3	1							4	6	1															7		11		
Ivanovskaja obl.	1	1							2	2																2		4		
Kaliningradskaja obl.									0	2																2		2		
Kaluzskaja obl.	2	4	2				1		9	23	1															24		33		
Krasnodarskij kr.	1								1																	0		1		
Kurskaja obl.	2	5							7	3																3		10		
Lipecskaja obl.	2								2	6																6		8		
Moskovskaja obl.	16	3	1				1		21	68	3												1			72		93		
Moskva g.	1								1	3																3		5		
Nizegorodskaja obl.									0	3																3		3		
Novgorodskaja obl.									0		2															2		2		
Orlovskaja obl.	3	3							6																	0		6		
Pskovskaja obl.	1								1	1																1		2		
Rostovskaja obl.	1	3							4	2	1															3		7		
Saratovskaja obl.	4	6	2						12	6																6		18		
Smolenskaja obl.	3	1							4	9	3				1											13		17		
Stavropol'skij kr.	4	3	3						10	2																2		12		
Tverskaja obl.	1	1	1						3	6																6		9		
Vladimirska obl.	2	5							7	1																1		8		
Volgogradskaja obl.	4	10							14	1																1		15		
Voronezskaja obl.	5	4					2		11	1																1		12		
TOTAL	65	64	11	0	0	0	5	0	145	150	11	0	0	2	0	1	0	0	0	0	0	0	0	0	1	0	165	0	1	311
PER CENT	20,9%	20,6%	3,5%	0,0%	0,0%	0,0%	1,6%	0,0%	46,6%	48,2%	3,5%	0,0%	0,6%	0,0%	0,3%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,3%	0,0%	53,1%	0,0%	0,3%	100%
MACEDONIA																														
Makedonija		1							1					2													2		3	
TOTAL	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3	
PER CENT	0,0%	33,3%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	33,3%	0,0%	0,0%	0,0%	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%	0,0%	66,7%	0,0%	100%	
MONTENEGRO																														
Montenegro		1							1																		0		1	
TOTAL	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
PER CENT	0,0%	100,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	100,0%	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%	0,0%	0,0%	0,0%	0,0%	100%	

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																														
Afyon	1								1																		0		1	
Agri	2								2																		0		2	
Ankara	6								6	6																	6		12	
Antalya	1		1						2																		0		2	
Ardahan	1								1																		0		1	
Artvin		1							1																		0		1	
Aydin			1						1	1																	1		2	
Balikesir	1								1	1																	1		2	
Bingol	1								1																		0		1	
Bursa	1		4						5																		0		5	
Çanakkale	1		1						2																		0		2	
Diyarbakir			2						2																		0		2	
Elazig	1								1																		0		1	
Erzincan	1								1																		0		1	
Erzurum	2								2																		0		2	
Eskisehir	1								1	1																	1		2	
Gaziantep					1				1																		0		1	
Giresun	1								1																		0		1	
Gumushane									0					1													1		1	
Igdir	3		1	1					5					1													0		5	
Izmir	3		2		1				6	2																	2		8	
K.Maras	1								1																		0		1	
Kars	4		2						6																		0		6	
Kilis	1		3						4																		0		4	
Konya	6		2						8	1																	1		9	
Manisa	1	1	2						4																		0		4	
Mardin	1								1																		0		1	
Mugla					1				1	1																	1		2	
Sanliurfa	8		4						12																		0		12	
Usak		1							1																		0		1	
Van									0					1													1		1	
TOTAL	49	3	25	1	3	0	0	0	81	13	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	96
PER CENT	51.0%	3.1%	26.0%	1.0%	3.1%	0.0%	0.0%	0.0%	84.4%	13.5%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.6%	0.0%	0.0%	100%	

4.2 Rabies cases per country and administrative units, 1st quarter 2012 (continued)

01.01.12-31.03.12

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	2	3		1						6	1														1		7	
Bolynskaja o.	1	2								3	4		1			1									6		9	
Cherkasskaja o.	2	1	1							4	2					1									3		7	
Chernigovskaja o.	5	5	2	1						13	5	1													6		19	
Chernovitskaja o.										0	2					1									3		3	
Dnepropetrovskaja o.	9	13			1					23	13					1									14		37	
Donetskaja o.	10	5	3							18	6														6		24	
Ivano-Frankovskaja o.	1									1	5														5		6	
Khar'kovskaja o.	1	5			1					7	1				1										2		9	
Khersonskaja o.	3	5	1							9	5		1											1	7		16	
Khmel'nitskaja o.	8	9								17	19					1									20		37	
Kirovogradskaja o.	13	5	5							23	19														19		42	
Kiyev g.	1									1															0		1	
Kiyevskaja o.	3	22								25	6				1										7		32	
Luganskaja o.	1	6			1					8	2												1		3		11	
L'vovskaja o.										0	4										1				5		5	
Nikolayevskaja o.	7	5								12	3														3		15	
Odesskaja o.	9	6	1			1				17	15														15		32	
Pollavskaja o.	4	3								7	2														2		9	
Rovensskaja o.	2	1								3	3														3		6	
Sumsckaja o.	3	5			1					9	2														2		11	
Ternopol'skaja o.	20	18				1		2		41	39			1		1									41		82	
Vinnitskaja o.	8	10	2	1						21	48														48		69	
Zakarpatskaja o.	4	2								6	2														2		8	
Zaporozhskaja o.	5	7	3							15	12	1		1											14		29	
Zhitomirskaja o.	5	4	1					1		11	4														4		15	
TOTAL	127	142	19	3	4	2	0	3	300	224	2	2	2	2	6	0	0	0	0	1	0	0	0	2	241	0	0	541
PER CENT	23,5%	26,2%	3,5%	0,6%	0,7%	0,4%	0,0%	0,6%	55,5%	41,4%	0,4%	0,4%	0,4%	0,4%	1,1%	0,0%	0,0%	0,0%	0,0%	0,2%	0,0%	0,0%	0,4%	44,5%	0,0%	0,0%	100%	
MOLDOVA																												
Moldova	8	7	12		10				37	10														1	11		48	
TOTAL	8	7	12	0	10	0	0	0	37	10	0	0	0	0	0	0	0	0	0	0	0	0	1	11	0	0	48	
PER CENT	16,7%	14,6%	25,0%	0,0%	20,8%	0,0%	0,0%	0,0%	77,1%	20,8%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%	2,1%	22,9%	0,0%	0,0%	100%	

4.3 Trend tables

4.5.1 Comparison of the reporting quarter (I/2012) with the previous quarter (IV/2011)

NAME	Total			Wildlife			Domestic animals			Bats			Human		
	I 2012 (no.)	IV 2011 (no.)	Difference	I 2012 (no.)	IV 2011 (no.)	Difference	I 2012 (no.)	IV 2011 (no.)	Difference	I 2012 (no.)	IV 2011 (no.)	Difference	I 2012 (no.)	IV 2011 (no.)	Difference
Albania															
Austria															
Belarus	143	*		91	*		51	*			*		1	*	
Belgium															
Bosnia - Hercegovina	1	2	-1	1	1			1	-1						
Bulgaria															
Croatia	54	98	-44	49	63	-14	5	35	-30						
Cyprus															
Czech Republic															
Denmark															
Estonia															
Finland															
France															
Germany		3	-3								3	-3			
Greece															
Hungary															
Iceland															
Ireland															
Italy		1	-1											1	-1
Latvia		1	-1					1	-1						
Lithuania	4	4		3	4	-1	1		1						
Luxembourg															
Macedonia	3		3	2		2	1		1						
Malta															
Moldova	48	35	13	11	9	2	37	26	11						
Montenegro	1	9	-8		8	-8	1	1							
Norway															
Poland	36	40	-4	32	32		4	8	-4						
Portugal															
Romania	154	151	3	124	118	6	29	33	-4				1		1
Russian Federation	311	458	-147	165	216	-51	145	240	-95				1	2	-1
Serbia	12	9	3	12	7	5		2	-2						
Slovak Republic															
Slovenia	1		1	1		1									
Spain	1		1				1		1						
Sweden															
Switzerland + Lichtenstein															
The Netherlands	8	1	7				1		1	7	1	6			
Turkey	96	72	24	15	14	1	81	58	23						
Ukraine	541	626	-85	241	301	-60	300	325	-25						
United Kingdom															
TOTAL	1414	1510	-239	747	773	-117	657	730	-124	7	4	3	3	3	-1

Wildlife: excluding bats

IV/2011 (no.), III/2011 (no.): number of cases

Difference: no. of cases in IV/2011 minus cases in III/2011

* no data

4.3.2 Comparison of the reporting quarter (I/201) with the same quarter of the previous year (I/2011)

NAME	Total			Wildlife			Domestic animals			Bats			Human		
	I 2012 (no.)	I 2011 (no.)	Difference	I 2012 (no.)	I 2011 (no.)	Difference	I 2012 (no.)	I 2011 (no.)	Difference	I 2012 (no.)	I 2011 (no.)	Difference	I 2012 (no.)	I 2011 (no.)	Difference
Albania															
Austria															
Belarus	143	346	-203	91	259	-168	51	87	-36				1		1
Belgium															
Bosnia - Hercegovina	1	3	-2	1	1			2	-2						
Bulgaria															
Croatia	54	137	-83	49	132	-83	5	5							
Cyprus															
Czech Republic															
Denmark															
Estonia		1	-1		1	-1									
Finland															
France															
Germany															
Greece															
Hungary															
Iceland															
Ireland															
Italy		1	-1		1	-1									
Latvia															
Lithuania	4	5	-1	3	5	-2	1		1						
Luxembourg															
Macedonia	3		3	2		2	1		1						
Malta															
Moldova	48	17	31	11	6	5	37	11	26						
Montenegro	1	*			*		1	*		*			*		
Norway															
Poland	36	54	-18	32	44	-12	4	10	-6						
Portugal															
Romania	154	83	71	124	60	64	29	23	6				1		1
Russian Federation	311	674	-363	165	374	-209	145	298	-153				1	2	-1
Serbia	12	20	-8	12	18	-6		2	-2						
Slovak Republic															
Slovenia	1		1	1		1									
Spain	1		1				1		1						
Sweden															
Switzerland + Lichtenstein															
The Netherlands	8	2	6				1		1	7	2	5			
Turkey	96	55	41	15	9	6	81	46	35						
Ukraine	541	338	203	241	128	113	300	210	90						
United Kingdom															
TOTAL	1414	1736	-323	747	1038	-291	657	694	-38	7	2	5	3	2	1

Wildlife: excluding bats

IV/2011 (no.), IV/2010 (no.): number of cases

Difference: no. of cases in IV/2011 minus cases in IV/2010

* no data

List of Contributors

ALB Albania

Ass. Prof. Dr. Dragush Mati
Ministry of Agriculture and Food
Directorate of Veterinary Service
Tirana /Albania
Tel: +355 4 222 539
Fax: +355 4 222 539
E-mail: vetdirector@albaniaonline.com

AUT Austria

Mag. Ulrich Herzog, CVO
Bundesministerium für Gesundheit und
Frauen
Bereich IV/B (Verbraucher-Gesundheit)
Radetzkystraße 2
A-1030 Wien
Tel. +43-1-7 11 00-4824
Fax +43-1-7 10 41 51
E-mail: ulrich.herzog@bmgf.gv.at

BLR Belarus

Dr. A.M. Axenov
Head of the Central Board of Veterinary
Medicine
Ministry of Agriculture and Food
Kirova 15
Minsk /Belarus
Tel: +375-17-227 6623
Fax: +375-17-227 42 96
+375-17-227 57 54
E-mail: vetinsp@mshp.minsk.by

BEL Belgium

Dr. Pierre Naassens, CVO
AFSCA – Agence fédérale pour la
Sécurité de la Chaîne alimentaire
Direction Générale de la Politique de
Contrôle
55, Boulevard du Jardin Botanique
B-1000 Bruxelles
Tel. +32-2-211 86 42
Fax +32-2-211 86 30

Responsible experts:

Dr. Bernard Brochier; Dr. Vanessa Suin;
Dr. Steven Van Gucht

National Reference Centre of Rabies
Viral Diseases
Scientific Institute of Public Health (WIV-
ISP)
Rue Engelandstraat 642
1180 Brussels
Belgium

BIH Bosnia and Herzegovina

Department of Infectious Diseases
Veterinary Faculty Sarajevo
Zmaja od Bosne 90
Sarajevo 71000 /Bosnia and
Herzegovina
Tel: +387-61-160 361
E-mail: vetzar@bih.net.ba

Dr. Sc. Drago N. Nedic
Ministry Agriculture, Forestry and
Water Management of Republika Srpska
Milosa Obilica 51
76300 Bijeljina, Republika Srpska
Bosnia and Herzegovina
Tel: +387-55-401 812,
-211 506
-403 508
Fax: +387-55-403 508
-472 353
E-mail: nedicd@rstel.net
nedicd@vetservice.org
Web: www.vetservice.org

BUL Bulgaria

Dr. Petya Petkova
National Veterinary Service
Animal Health Directorate
15A "Pencho Slaveikov" blvd.
1606 Sofia, Bulgaria
Tel: +359 2 915 98 42
Fax: +359 2 952 38 35

HVR Croatia

Dr. Ljerka Zeba
Veterinary Administration
Ministry of Agriculture and Forestry
Vukovarska 78
10000 Zagreb, Republic of Croatia
Tel: +385 1 6106207
Fax: +385 1 6109207
E-mail: ljerka.zeba@mpps.hr

CYP Cyprus

Dr. P. Economides, CVO
Director of Veterinary Services
Ministry of Agriculture, Natural
Resources and Environment - Veterinary
Services -
1417 Nicosia /Cyprus
Tel. +357-2-80 52 0
Fax +357-2-33 28 03
E-mail vet.services@cytanet.com.cy

CZH Czech Republic

MVDr. Josef Vitásek
State Veterinary Administration CR
Slezská 7
CZ – 120 00 Praha 2 / Czech Republic
Tel.: +420 – 227 010 144
Fax : +420 – 227 010 195
E-mail: j.vitasek@svscr.cz

Responsible expert:

MVDr. Ivan Nágl
National Reference Laboratory for Rabies
State Veterinary Institute Prague
Sídlištní 136/24
CZ -165 03 Praha 6 – Lysolaje
Tel. +420 251 031 281
Fax +420 220 920 655
E-mail: i.nagl@svupraha.cz

DNK Denmark

Dr. Jan Mousing, CVO
Ministry for Food, Agriculture and
Fisheries

Danish Veterinary and Food
Administration

Mørkhøj Bygade 19
DK-2860 Søborg
Tel.: +45 33 95 60 00
Fax: +45 33 95 60 01

Email: jam@fvst.dk

Responsible expert:

Dr. Pia Vestergaard
Ministry for Food, Agriculture and
Fisheries

Danish Veterinary and Food
Administration

Mørkhøj Bygade 19
DK-2860 Søborg
Tel.: +45 33 95 65 96
Fax: +45 39 67 52 48

Email: pv@fvst.dk

EST Estonia

Dr. Matti Nautras, CVO
Head of Animal Health Department
Veterinary and Food Broad of Estonia

Väike-Paala-Street 3
11415 Tallinn /Estonia
Tel. +372-605 1732
Fax +372-638 0210

E-mail nautras@vet.agri.ee

Responsible expert:

Dr. Külli Must
Head of Department
Veterinary and Food Laboratory
Kreutzwaldi 30
51006 Tartu /Estonia
Tel: +372-742 1246
Fax: +372-742 1730
E-mail: kylli@vetlab.ee

FIN Finland

Director General Dr. Matti Aho, CVO
Ministry of Agriculture and Forestry
Department of Food and Health
PO BOX 30

FI-00023 Government
Finland

Tel: +358 9 160 53380

Fax: +358 9 1605 4777,
+358-9-1605 3338

E-mail cvo-finland@mmm.fi

Responsible expert:

Tiia Tuupanen
Finnish Food Safety Authority Evira
Mustialankatu 3, FI-00790 Helsinki,
Finland

tel. +358 40 489 3348

fax +358 20 77 24355

E-mail: tiia.tuupanen@evira.fi

Web: www.mmm.fi

FRA France

Dr. Florence Cliquet

ANSES

Nancy laboratory for rabies and wildlife
Technopôle Agricole et Vétérinaire
BP 40009

54220 Malzéville, France

Tel: +33-3-83.29.89.50

Fax: +33-3-83.29.89.59

E-mail: f.cliquet@nancy.afssa.fr

Web: www.anses.f

DEU Germany

Dr. Karin Schwabenbauer, CVO
Fed. Ministry of Food, Agriculture and
Consumer Protection

PF 14 02 70, D-53103 Bonn, Germany

Tel: +49 228 529 41 5

Fax: +49 228 529 35 53

E-mail: poststelle@bmelv.bund.de

Responsible experts:

Dr. Thomas Müller

Dr. Conrad Freuling

WHO Collaborating Centre for Rabies
Surveillance and Research

Institute of Molecular Biology, Friedrich-
Loeffler-Institute

- Federal Research Institute for Animal
Health –

Südufer 10, 17493 Greifswald - Insel
Riems, Germany

tel: ..49 38351 71660/659

fax: ..49 38351 71174

email: who-rabies@fli.bund.de

GRC Greece

Konstantia Tasioudi
Institute of Infectious and Parasitic
disease
25 Neapoleos street. Agia Paraskevi
15310
Greece
Tel, Fax: +30 210 6011499
viruslab.ath@gmail.com

HUN Hungary

Dr. Tibor Balint
Dr. Zsolt Földi
Ministry of Agriculture and Regional
Development
Animal Health and Food Control
Department
H-1860 Budapest 55. Pf. 1
Tel. +36-1 3014329 and 332 7986
Fax +36-1 301 4669
E-mail foldiz@oai.hu

ISL Iceland

Dr. Halldor Runolfsson
Chief Veterinary Officer
Ministry of Agriculture, Veterinary
Services
Solvholsgata 7
150 Reykjavik /Iceland
Tel. +354-560 9750
Fax +354-552 1160
E-mail halldor.runolfsson@lan.stjr.is

IRE Ireland

Dr. J. Melville
Superintending Veterinary Inspector
Department of Agriculture, Food and
Forestry
Agriculture House
Dublin 2/Ireland
Tel: +353-1-607 2981
Fax: +353-1-661 2440

Responsible expert:

Dr Patrick Lenihan
Senior Superintending Research Officer
Virology Division
Central Veterinary Research Laboratory
Abbotstown, Blanchardstown
Dublin 15

ITA Italy

Dr. Franco Mutinelli
Istituto Zooprofilattico
Sperimentale delle Venezie
Viale dell'Università, 10
I-35020 Legnaro (PD) /Italy
Tel: +39-049-80 84 259
Fax: +39-049-80 84 258
E-mail: fmutinelli@izsvenezie.it

LVA Latvia

Dr. Mareks Samohvalovs
Dr. Emils Jegers
Food and Veterinary Service
Peldu Street 30,
Riga, LV-1050, Latvia
Tel: +371 67095230
Fax: +371 67322727
E-mail: pvd@pvd.gov.lv

LTU Lithuania

Dr. K. Lukauskas
Dr. V. Kiudulas,
Animal Health Department
State Food and Veterinary Service
Siesikų 19, LT-07170 Vilnius
E-mail: vvt@vet.lt
vkiudulas@vet.lt

LUX Luxembourg

Dr. Arthur Besch, CVO
Inspection Vétérinaire
Grand-Duché de Luxembourg
Administration des Services vétérinaires
93, rue d'Anvers
Boîte postale 1403
L-1014 Luxembourg
Tel: +352-478 2539
Fax: +352-407 545
E-mail: Arthur.Besch@asv.etat.lu

MKD Macedonia

Sloboden Cokrevski, DVMMinistry of
Agriculture, Forestry and Water
Economy
Veterinary Directorate
Republic of Macedonia
Leninova 2
1000 Skopje/Macedonia
Tel: + 389 2 3210468
Fax: + 389 2 3210315
E-mail: scokrevski@veterina.gov.mk
Responsible expert:
Prof. Dr. Misho Hristovski
Veterinary institute Skopje
Department of Biology and Pathology of
Fish, Bees and Wild Animals
1000 Skopje/Macedonia
Tel: +389 2 3115125
Fax: +389 2 3114619
E-mail: hristovskim@hotmail.com

MNE Montenegro

Mevlida Hrapovic
Veterinary administration of the Republic
of Montenegro
Bulevar Sv.Petra Cetinjskog br 9
81000 Podgorica, Montenegro
Tel: +38 2 81 201 945;

Fax: +38 2 81 201 946
e-mail: mevlida.hrapovic@vu.gov.me

MDA Moldova

Vsevolod Stamati,
Animal Health Division
Department of Veterinary Medicine
Ministry of Agriculture and Food Industry
Republic of Moldova
E-mail: dmv@maia.gov.md

NED Netherlands

Dr. P.W.de Leeuw
Dutch Ministry of Agriculture, Nature and
Food
Bezuidehouthouseweg 73 - P.O. Box 20401
NL-2500 EK's-Gravenhage /Netherlands

Dr. L. Züchner
Food en Consumer Product Safety
Authority
De Stoven 22
NL-7206 AX Zutphen /Netherlands
Tel: +31-575-58 8 100
Fax: +31-575-588 8 200
E-mail: lothar.zuchner@vwa.nl

NOR Norway

Dr. Keren Bar-Yaacov, CVO
Norwegian Food Safety Authority, Head
Office
P.O. Box 383
N-2381 Brumunddal, Norway
Tel: +47 23 21 68 00
Fax: +47 23 21 68 01
E-mail: postmottak@mattilsynet.no

POL Poland

Krzysztof Jazdzewski, DVM
Acting Chief Veterinary Officer
General Veterinary Inspectorate
Veterinary Inspection
30, Wspolna Str
00-930 Warsaw / Poland
Tel.: +4822623208889
+4822626288511
Fax: +48226231408
E-mail: wet@wetgiw.gov.pl

Responsible experts:

Prof. Jan. F. Zmudzinski
National Veterinary Research Institute
Department of Virology
National Reference Laboratory for Rabies
Al. Partyzantow 57
24 -100 Pulawy / Poland
Tel.: +48818863051
Fax: +48818862595
E-mail: jfzmuzdi@piwet.pulawy.pl

Magdalena Zietara, DVM
Animal Health and Welfare Office
General Veterinary Inspectorate
Veterinary Inspection
30, Wspolna Str,
00-930 Warsaw / Poland
Tel.: +48226232264
Fax: +48226231408
E-mail:
magdalena.zietara@wetgiw.gov.pl

PRT Portugal

Dr.C.A.M.de Andrade
Fontes
Direccao-Geral da Pecuaria

ROU Romania

Prof. Gabriel Predoi, CVO
General Director of the Sanitary
Veterinary General Direction, National
Sanitary Veterinary and Food Safety
Authority
Bd. Carol I, nr. 24, sector 3
Bucuresti, cod 70.033 /Romania
Tel: +40-21-3157875
Fax: +40-21-3124967
E-mail: predoi@ansv.ro

RUS Russian Federation (European part)

Prof. V.A.Vedernikov
Dr. I.V.Baldina

The Kovalenko All-Russian
Inst.of Exper. Veterinary Medicine
109455, Moscow, Ryazansky prosp., 24
Tel: +495 377-9483
Fax: +495 970-0369
E-Mail: epizootviev@mail.ruDr.
N.A.Yaremenko
Dr. S.A.Kolomytzev
Department of veterinary and livestock
Ministry of Agriculture
107139, Moscow, Orlikov per., 1/11
Tel: +495 975-5423
Fax: +495 975-5423
E-mail: n.yaremenko@vet.mcx.ru

Responsible expert:

Dr Artem Metlin
Federal Centre for Animal Health,
600901, Vladimir, Russia.
Fax +74 922260753
E-mail artem.metlin@inbox.ru

Prof. A.A.Movsesyants
Scientific Centre of Expertise of Medicals
Devices
119002, Moscow,
Per. Sivtzev Vrazhek, 41

Tel. +7 499 2413784
E-mail: Movsesyans_AA@gisk.ru

SRB Serbia

Prof. Dr Dušan Lalošević (Director)
Dr. Nenad Vranješ (Rabies Epidemiology and prevention)
Dr. Srđan Stankov (Rabies laboratory)
Pasteur Institute Novi Sad
Hajduk Veljkova 1 / P.O. Box 208
21000 Novi Sad / Serbia
Tel.: +381 21 6611 003
+381 21 420 528
Fax: +381 21 6611 003
Email: paster-ns@neobee.net

SVK Slovak Republic

Prof. Josef Bires, CVO
Roman Matejcik, DVM
State Veterinary Administration of the Slovak Republic
Botanická No 17
842 13 Bratislava /Slovak Republic
Tel. +421-2-60 257 227
Fax +421-2-65 411 159
E-mail welfare@svssr.sk

Responsible expert:

Miroslav Mojziš, DVM
Štátny veterinárny ústav Zvolen
Pod Dráhami No. 918
960 86 Zvolen /Slovak Republic

SVN Slovenia

Aleš Brecej, MSc, DVM
Ministry of Agriculture, Forestry and Food
Veterinary Administration of the Republic of Slovenia
Parmova 53, 1000 Ljubljana / SLOVENIA
Tel: +386-1-300 13 00
Fax: +386-1-300 13 56
E-mail: ales.brecej@gov.si
Web: www.sigov.si/vurs

Responsible expert:

Peter Hostnik, PhD, DVM
National Veterinary Institute, Unit for the diagnostic of contagious and other diseases,
Laboratory of Virology
Gerbičeva 60
1000 Ljubljana / SLOVENIA
Tel: +386-1-477 91 00
Fax: +386-1-477 93 52
E-mail: peter.hostnik@vf.uni-lj.si

ESP Spain

Ilmo. Sr. D. Pedro Angel García González
Subdirector General de Sanidad Exterior

Tel: +34-91-596 20 38
Fax: +34-91-596 20 47
E-mail: pgarciag@msc.es
Sr. D. Carlos Abellán García
Jefe de Servicio de Veterinaria Oficial
Tel: +34-91-596 19 34
Fax: +34-91-596 20 47
E-mail: cabellan@msc.es

Ministerio de Sanidad y Consumo
Dirección General de Salud Pública
Subdirección General de Sanidad Exterior
C/Paseo del Prado, 18-20
E-28071 Madrid

Responsible expert - Diagnóstico:
Sr. D. Juan E. Echevarría Mayo
Servicio de Microbiología Diagnóstica
Centro Nacional de Microbiología
Instituto de Salud Carlos III
Ministerio de Sanidad y Consumo
Ctra. Majadahonda-Pozuelo s/n
28220 Majadahonda, Madrid
Tel: +34-91-509 79 01
Fax: +34-91-509 79 66
E-mail: jeecheva@isciii.es

Epidemiología:

Sra. Da Luisa Pilar Sánchez Serrano
Centro Nacional de Epidemiología
Instituto de Salud Carlos III
Ministerio de Sanidad y Consumo
C/ Sinesio Delgado, 6
E-28029 Madrid
Tel: +34-91-387 78 02
Fax: +34-91-387 78 16
E-mail: lsanchez@isciii.es

Dr. Ignacio Sanchez Esteban
Subdirector General de Sanidad Veterinaria
MAPA
Ministerio de Agricultura, Pesca y Alimentacion
Madrid /Spain
Tel: +34-91-347 82 95
Fax: +34-91-347 82 99
E-mail: isanchez@mapya.es
Web: www.mapya.es

Responsible expert:

D. Fulgencio Garrido Abellan
Tel: +34-958-44 03 75
Fax: +34-958-44 12 00
E-mail: fgarrido@moebius.es
Dña. Teresa Rodríguez-Trenchs
Tel: +34-91-347 83 4
Fax: +34-91-347 82 99
E-mail: trodrigu@mapya.es

SWE Sweden

Dr. Leif Denneberg
National Board of
Agriculture Department for Animal
Production and Health
SE-551 82 Jönköping /Sweden
Tel. +46-36-15 50 00
Fax: +46-36-30 81 82
E-mail: leif.denneberg@sjv.se

Responsible expert:

Professor Anders Engvall
National Veterinary Institute
SE-751 89 Uppsala
Tel: +46-18-67 40 00
Fax: +46-18-67 44 45
E-mail: anders.engvall@sva.se

CHE Switzerland

PD Reto Zanoni
Dr. Urs Breitenmoser
University of Bern - Swiss Rabies Centre
Institute of Veterinary Virology
Länggass Str. 122
CH-3012 Bern /Switzerland
Tel: +41-31-631 23 78
Fax: +41-31-631 25 34
E-Mail: zanoni@ivv.unibe.ch
breitenmoser@ivv.unibe.ch
Web: www.cx.unibe.ch/ivv

TUR Turkey

Asso.Prof.Dr. Muzaffer AYDEMİR
Ministry of Agriculture and Rural Affairs
General Directorate of Protection and
Control
Esat cad. No. 3
06100 Bakanliklar, Ankara /Turkey
Tel: +90-312-41 82 436
Fax: +90-312-41 78 209

Responsible expert:

Dr. Orhan Aylan, Chief of Rabies
Laboratory
Etlik Central Veterinary Control and
Research Institute
06020 Etlik, Ankara /Turkey
Tel: +90-312-32 60 090 / 154
Fax: +90-312-32 11 755

UKR Ukraine

Dr. P. Verbytskiy
Ministry of Agrarian Policy
State Department of Veterinary Medicine
Khreshchatik 24
01001 Kiev /Ukraine
Tel: +380-44-229 12 70

Fax: +380-44-229 85 45
E-mail: uzpr@minapk.kiev.ua

Dr. Liudmyla Grishok
Institute of Veterinary Medicine
Head of Laboratory for Rabies
Donetskaja Street 30
Kiev-151 /Ukraine
Tel. +380-44-243 72 38
Fax +380-44-242-69-81
E-mail: ivm-Kiev@akcecc.kiev.ua

Dr. Zoya Trotsenko
Head of Virology Department
State Research Institute of Laboratory
Diagnostics and Veterinary Sanitary
Expertise
Donetskaya Street 30
Kiev-151, Ukraine
Tel. +380-44-243 37 55
Fax +380-44-242-37 55
E-Mail: biotech@astral.kiev.ua

UNK United Kingdom

Mr Nigel Gibbens BVetMed MSc MRCVS,
CVO
Mr David Mouat BVM&S MSc MRCVS
Mr Balazs Toth DrMedVet MRCVS
Department for Environment, Food and
Rural Affairs
Area 5D Nobel House
17 Smith Square, London SW1P 3JR
Tel. +44-207-238 6047
Fax +44-207-238 5051
e-mail david.c.mouat@defra.gsi.gov.uk
balazs.toth@defra.gsi.gov.uk

Responsible expert:

Dr Anthony R Fooks MBA PhD CBiol FSB
Head of Wildlife Zoonoses and Vector-
Borne Diseases Research Group
Statutory and Exotic Viruses Sub-
Programme Manager
Animal Health and Veterinary
Laboratories Agency (AHVLA)
Woodham Lane, New Haw
Addlestone, Surrey. KT15 3NB UK
Tel: +44 1932 357840
+44 7733 308313
Fax: +44 1932 357239
GTN: 3956 2840
E-mail: Tony.Fooks@ahvla.gsi.gov.uk
Web: www.defra.gov.uk/ahvla



**Please inform the editor about
changes of contact details!**

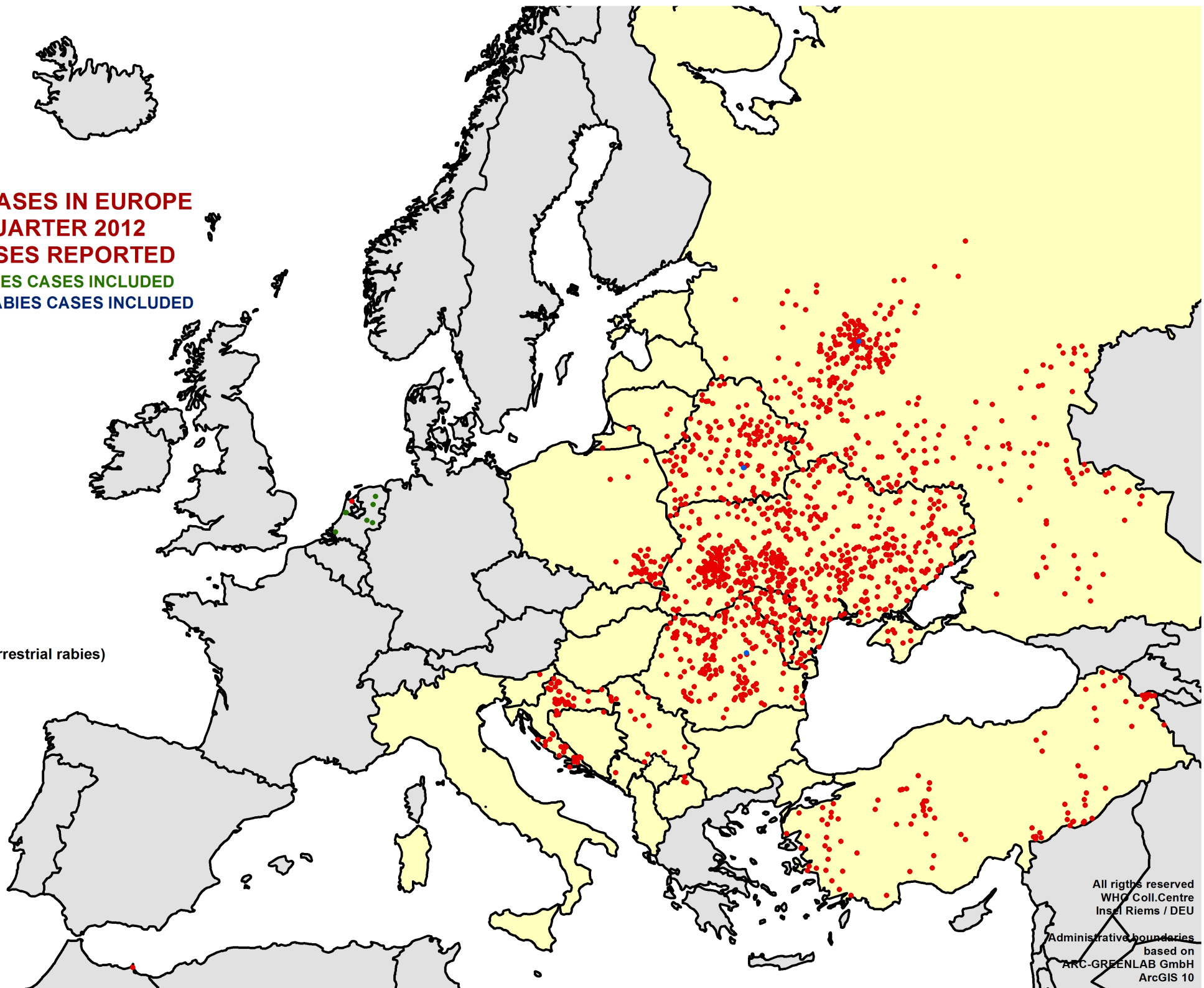
RABIES CASES IN EUROPE
1th QUARTER 2012

1414 CASES REPORTED

7 BAT RABIES CASES INCLUDED

3 HUMAN RABIES CASES INCLUDED

 rabies free (terrestrial rabies)
 no data



All rights reserved
WHO Coll. Centre
Insel Riems / DEU

Administrative boundaries
based on
ARC-GREENLAB GmbH
ArcGIS 10