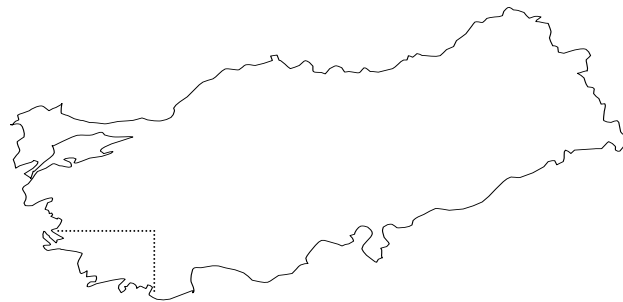
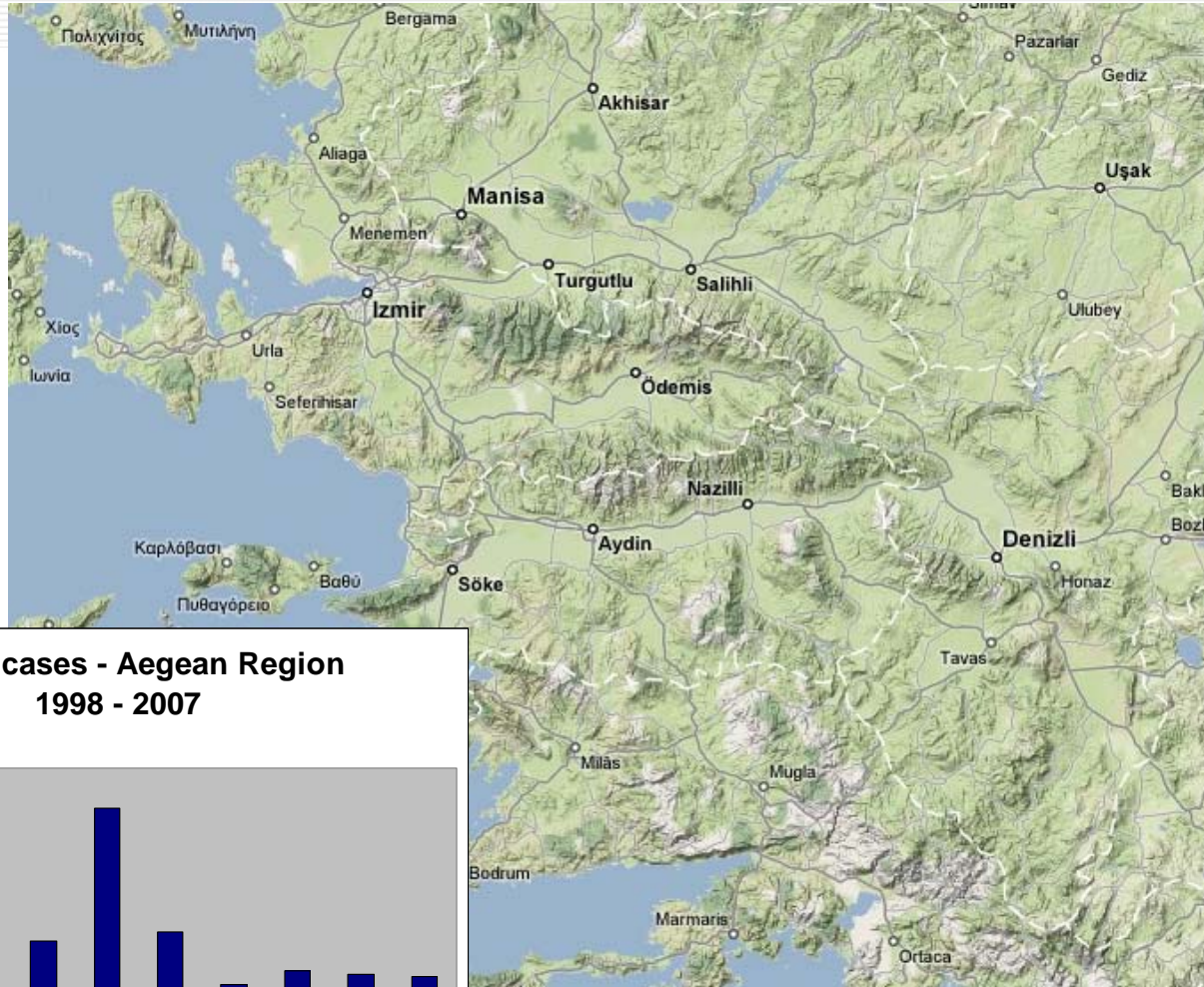


**A sustained rabies spill-over infection from dogs  
to foxes and its consequences –  
Aegean Region, Turkey**

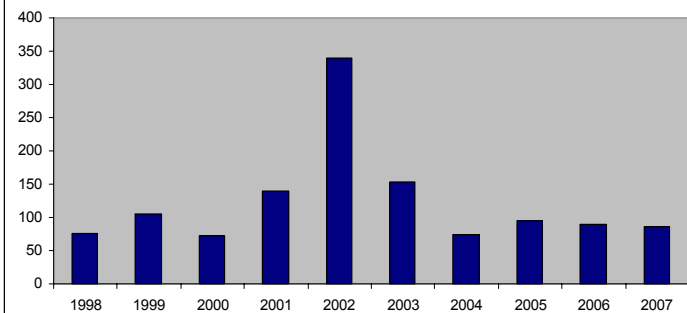


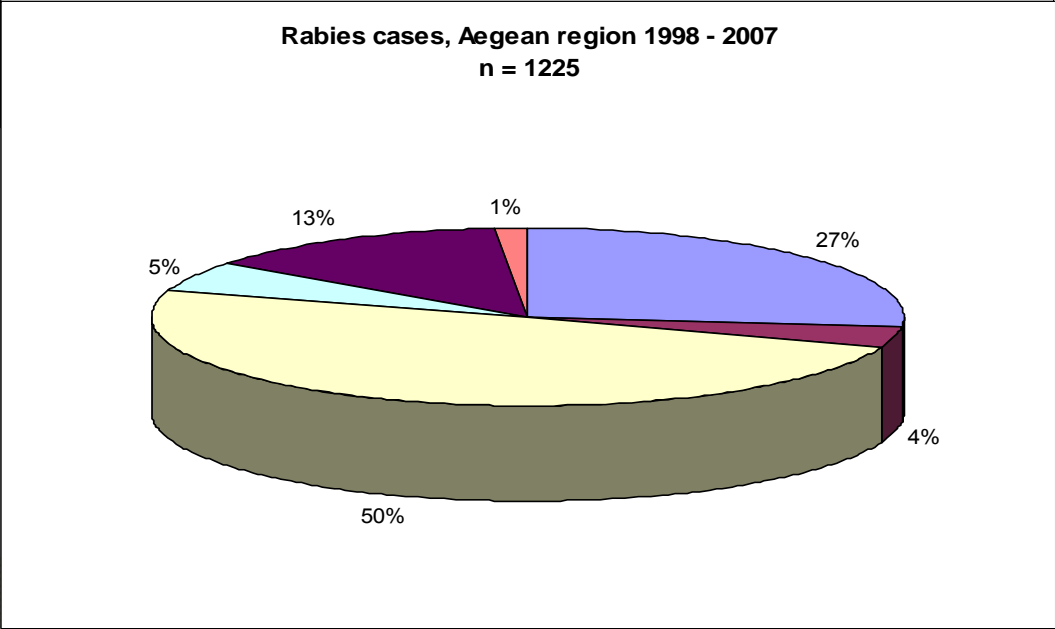
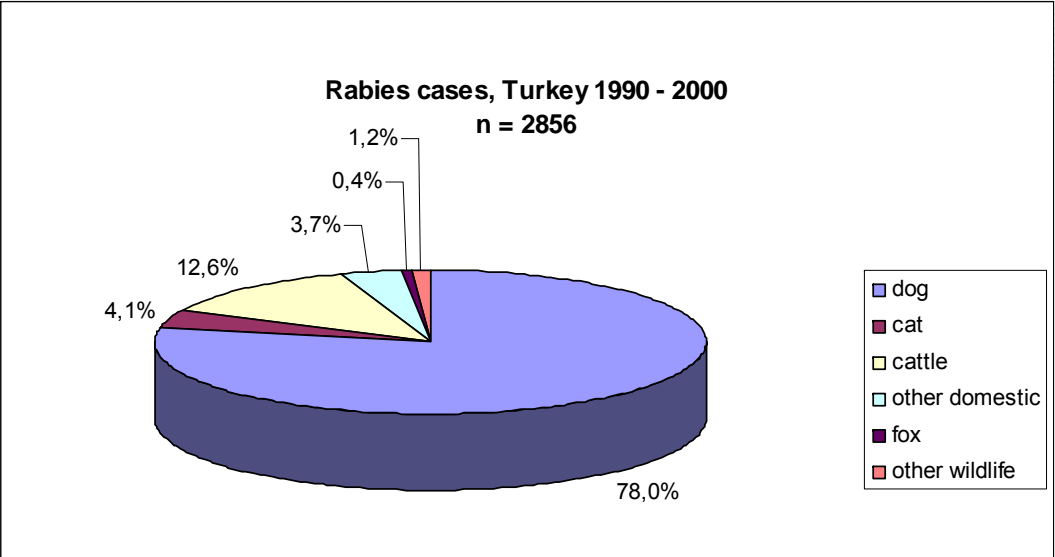
**Ad Vos**





**Rabies cases - Aegean Region  
1998 - 2007**





## Rabies cases 1998 – 2007: Aegaen Region

Total number 2006

Cattle: 1,263,182

Sheep: 1,970,389

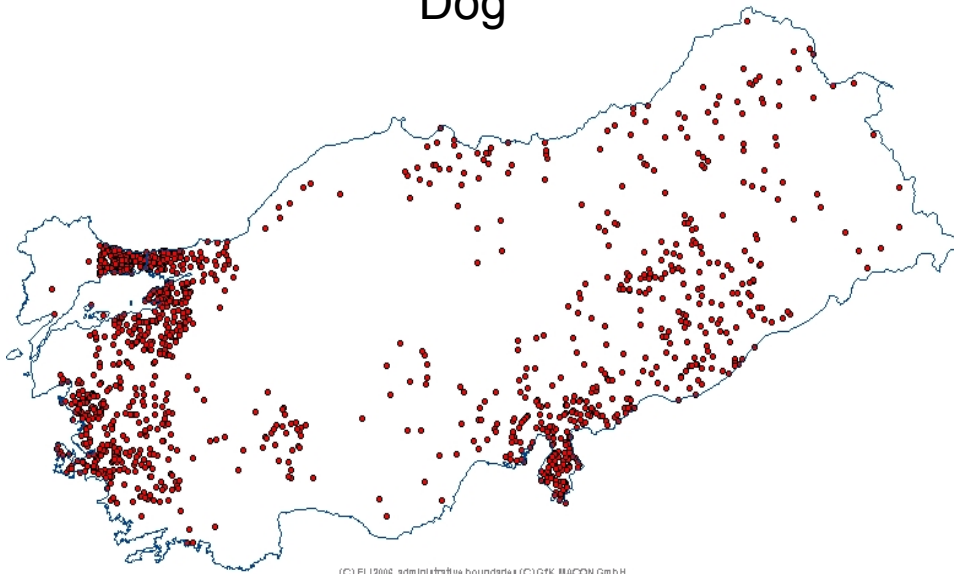
	positive			negative n	Relative Contribution (%)
	n	%	relative (%)		
	5	29.41	0.41	12	0.47
	4	28.57	0.32	10	0.39
Goat	29	63.04	2.36	17	1.27
Sheep	27	55.10	2.19	22	1.35
Cattle	605	79.82	49.15	153	20.96
Cat	46	5.88	3.74	736	21.62
Dog	327	20.68	26.56	1,254	43.71
Hamster	-			49	1.35
Rabbit	1	5.56	0.08	17	0.50
Mouse/Rat	-			67	1.85
Squirrel	-			11	0.30
Fox	165	94.83	13.40	9	4.81
Jackal	2	100.00	0.16	-	0.06
Wolf	-			2	0.06
Badger	1	50.00	1.06	1	0.06
Mustelids	13	72.22	0.08	5	0.50
Wild cat	-			1	0.03
Others	-			15	0.42
Bats	-			5	0.14
Human	6	75.00	0.49	2	0.22
<b>Total</b>	<b>1231</b>	<b>34.00</b>		<b>2386</b>	

118 submitted specimen: no rabies diagnosis

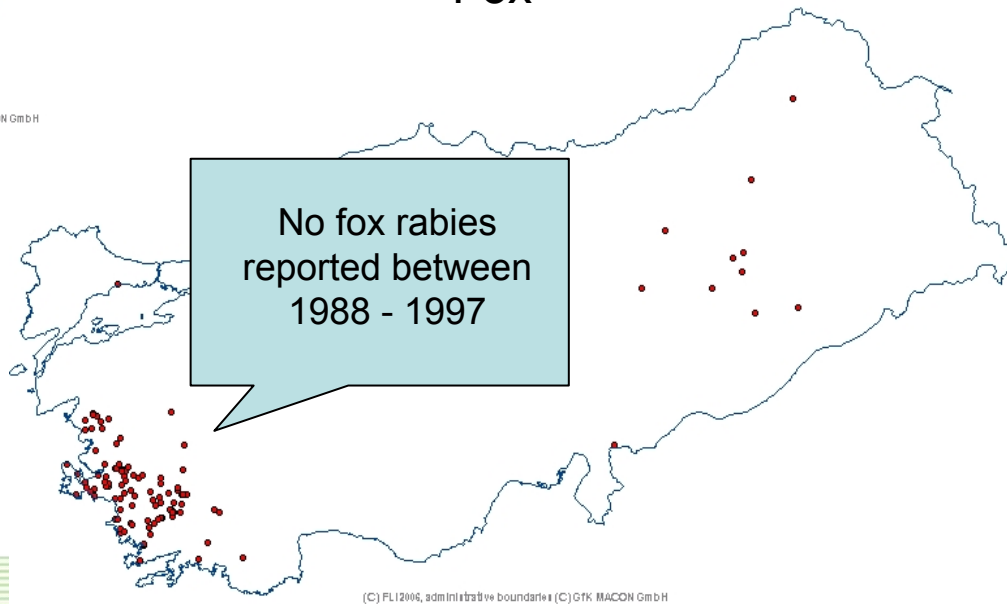
# Rabies cases: 1998 – 2007

(source: Rabies Bulletin Europe)

Dog



Fox



## RABIES EMERGENCE AMONG FOXES IN TURKEY

Nicholas Johnson,<sup>1,3</sup> Colin Black,<sup>1</sup> Jemma Smith,<sup>1</sup> Hikmet Un,<sup>2</sup> Lorraine M. McElhinney,<sup>1</sup> Orhan Aylan,<sup>2</sup> and Anthony R. Fooks<sup>1</sup>

<sup>1</sup> Rabies Research and Diagnostic Group, Veterinary Laboratories Agency, Weybridge, Addlestone, Surrey, KT15 3NB, UK

<sup>2</sup> Etlik Central Veterinary Control and Research Institute, 06020 Etlik—Ankara, Turkey

<sup>3</sup> Corresponding author (email: n.johnson2@via.defra.gsi.gov.uk)

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## Wildlife rabies in Western Turkey: the spread of rabies through the western provinces of Turkey

NICHOLAS JOHNSON<sup>1\*</sup>, HIKMET UN<sup>2</sup>, AD VOS<sup>3</sup>, ORHAN AYLAN<sup>2</sup>  
AND ANTHONY R. FOOKS<sup>1</sup>

<sup>1</sup> Rabies Research and Diagnostic Group, WHO Collaborating Centre for the Characterisation of Rabies and Rabies-Related Viruses, Veterinary Laboratories Agency, Weybridge, Surrey, UK

<sup>2</sup> Etlik Central Veterinary Control and Research Institute, Etlik, Ankara, Turkey

<sup>3</sup> Impfstoffwerk Dessau Tornau GmbH, Rosslau, Germany

*Inf. Circ.*

Whilst the dog remains the principal vector for transmission, the isolates from Izmir and Manisa were derived from foxes. The close relationship between isolates from these two hosts suggests that the transmission was a recent event. However,

KEY

fooks<sup>1</sup>

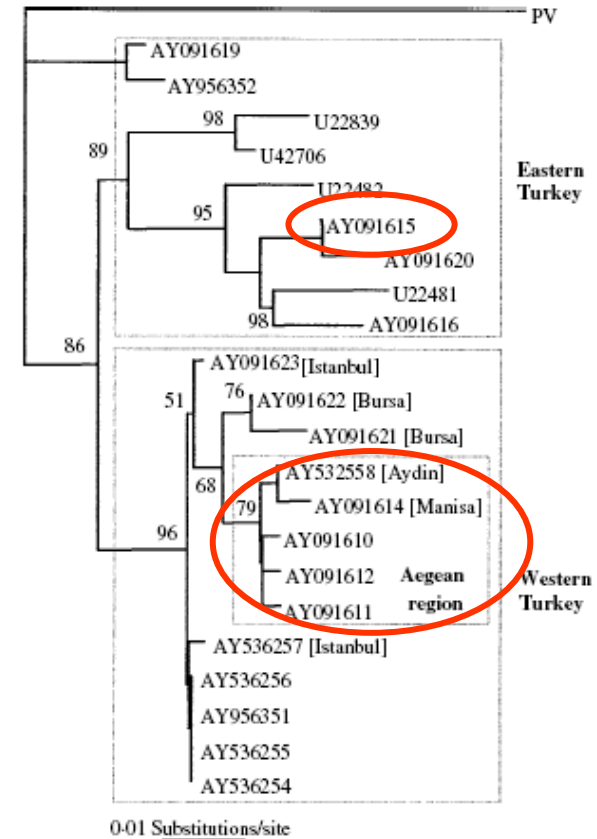
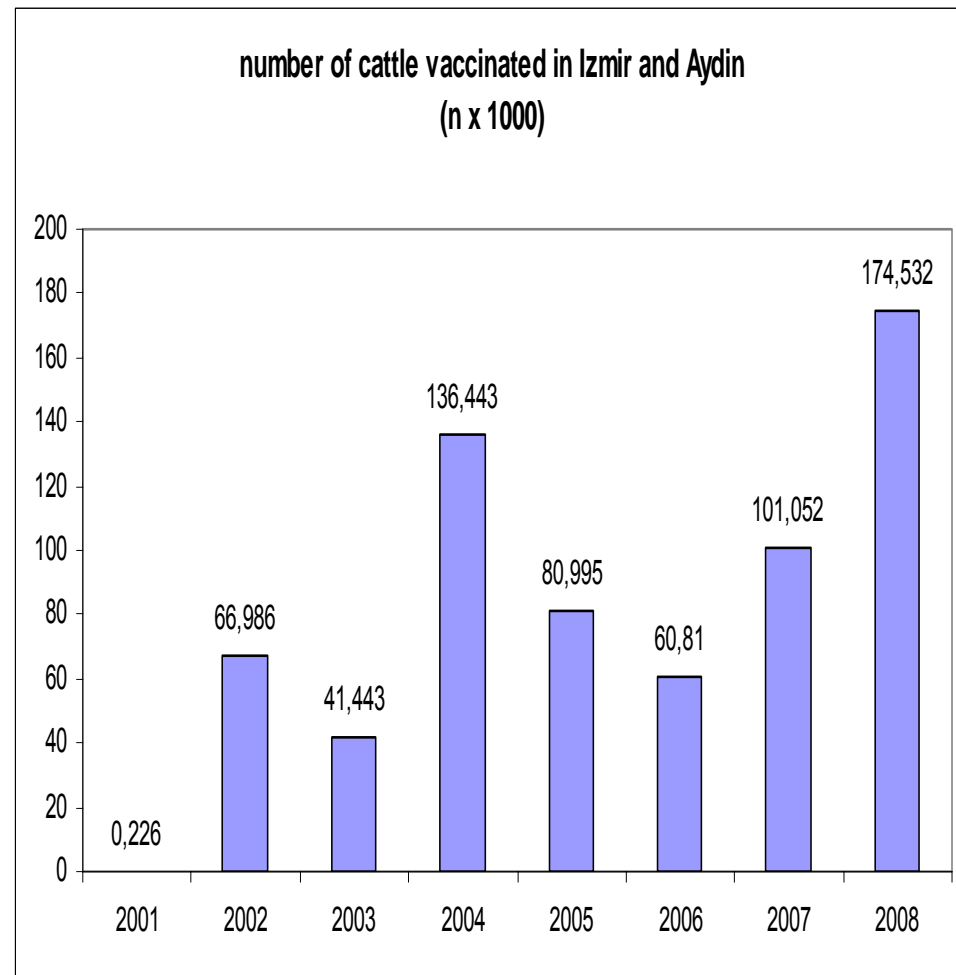
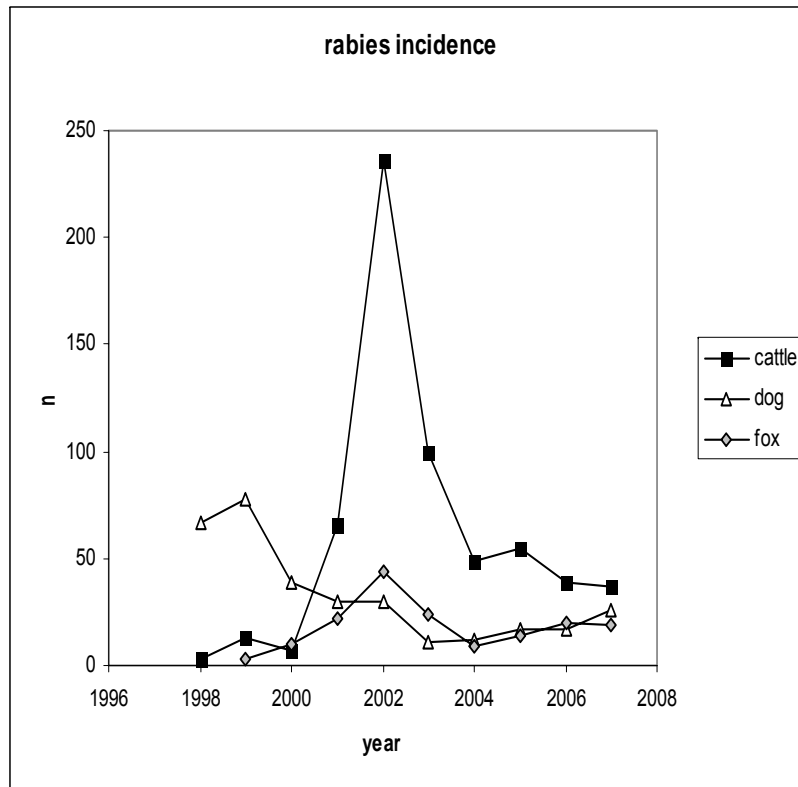


Fig. 3. Phylogenetic relationships between 18 rabies virus samples recorded in western Turkey. Bootstrap values are included and those >70 were considered significant.

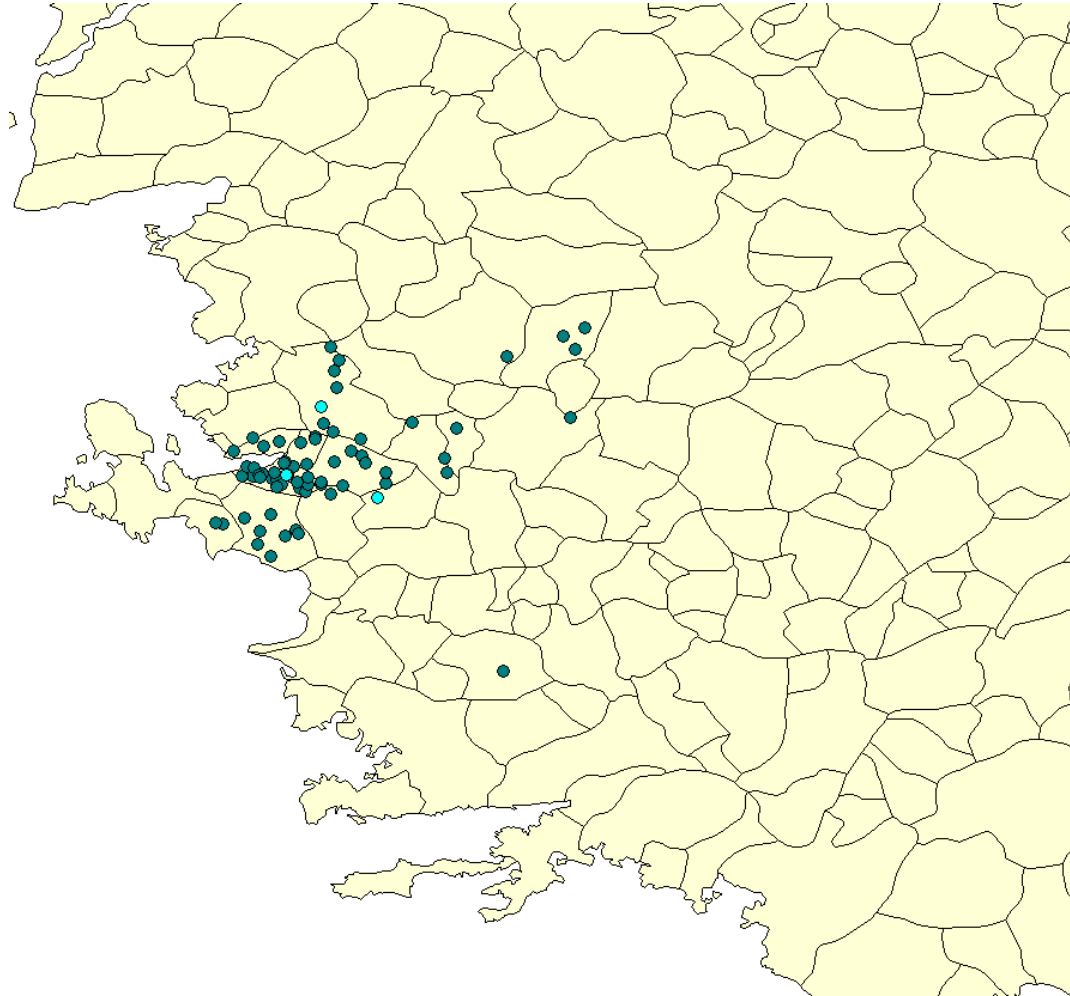
# Rabies cases 1998 - 2007

● cattle ● fox ● dog



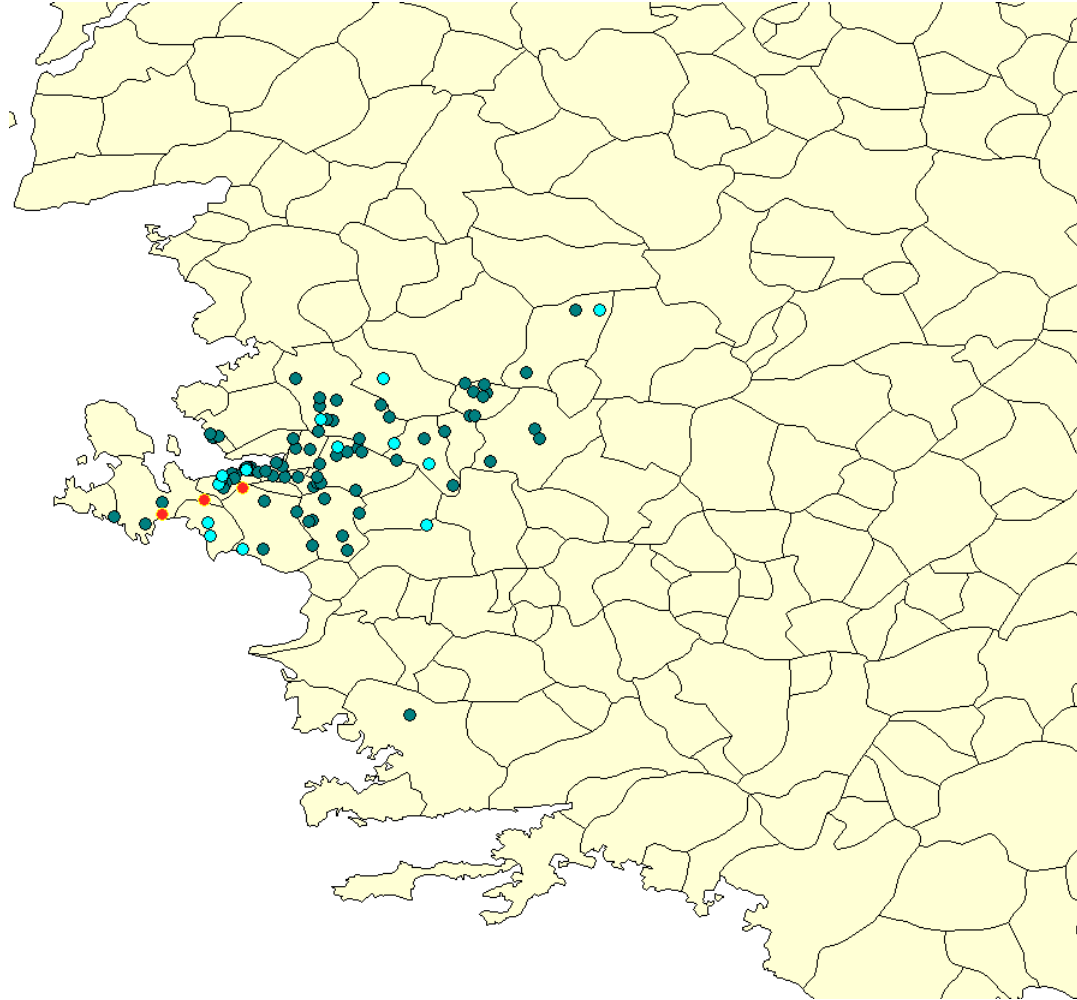
# 1998

- dog
- cattle
- fox



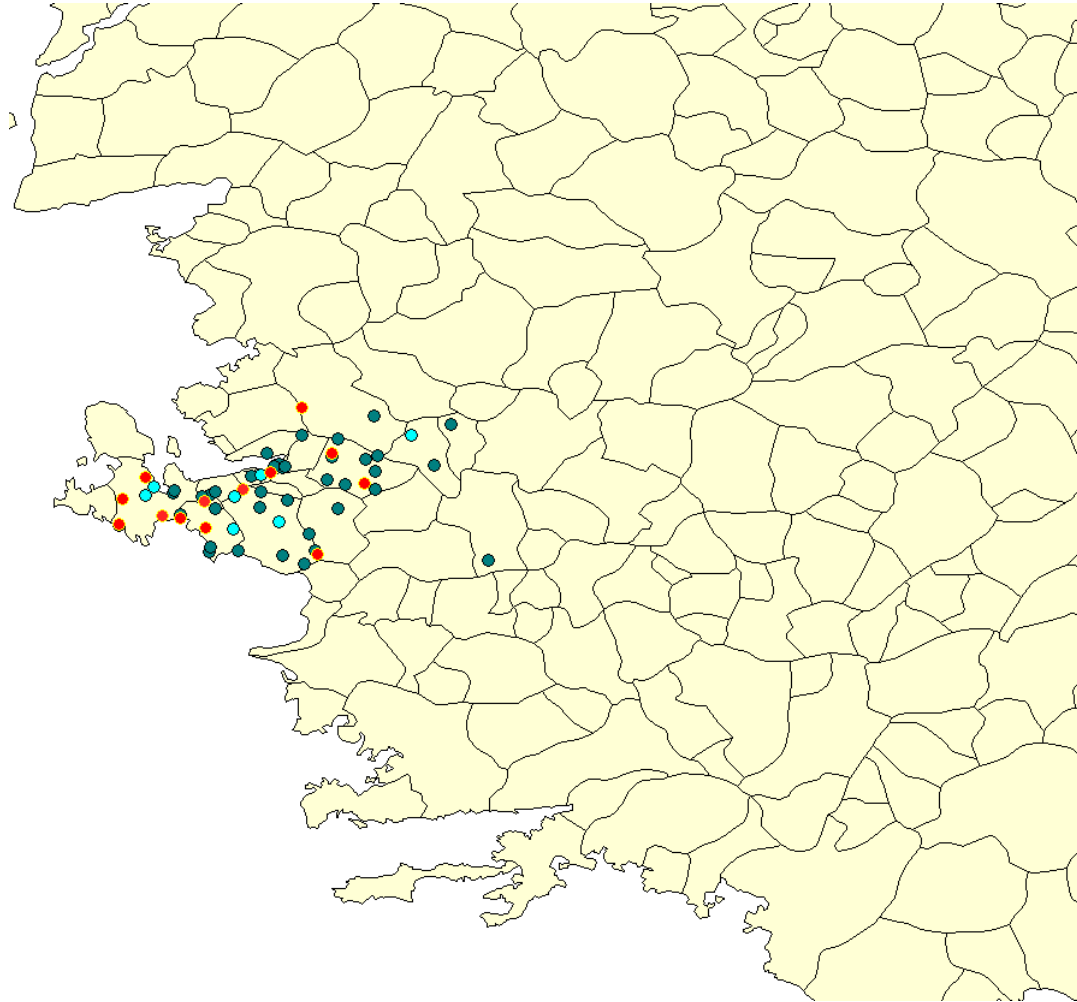
# 1999

- dog
- cattle
- fox



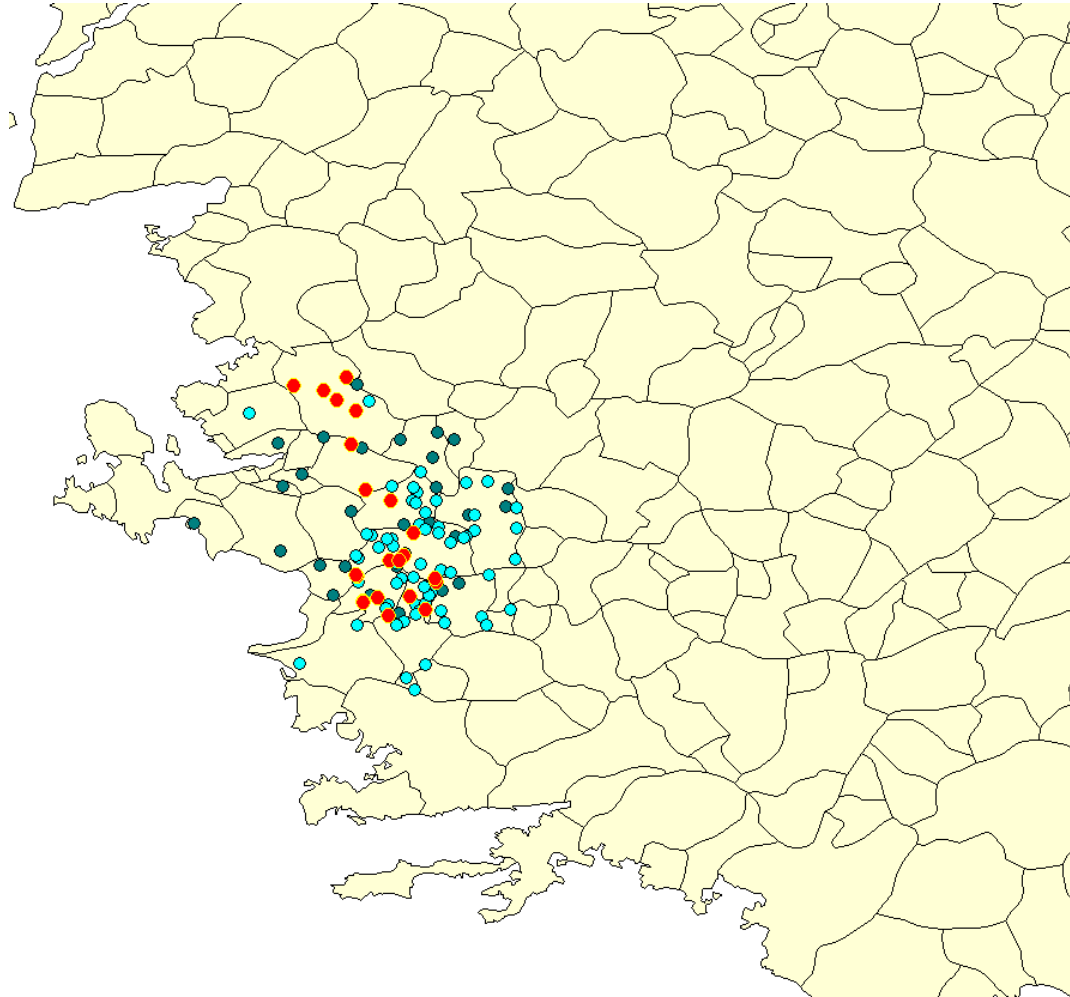
# 2000

- dog
- cattle
- fox



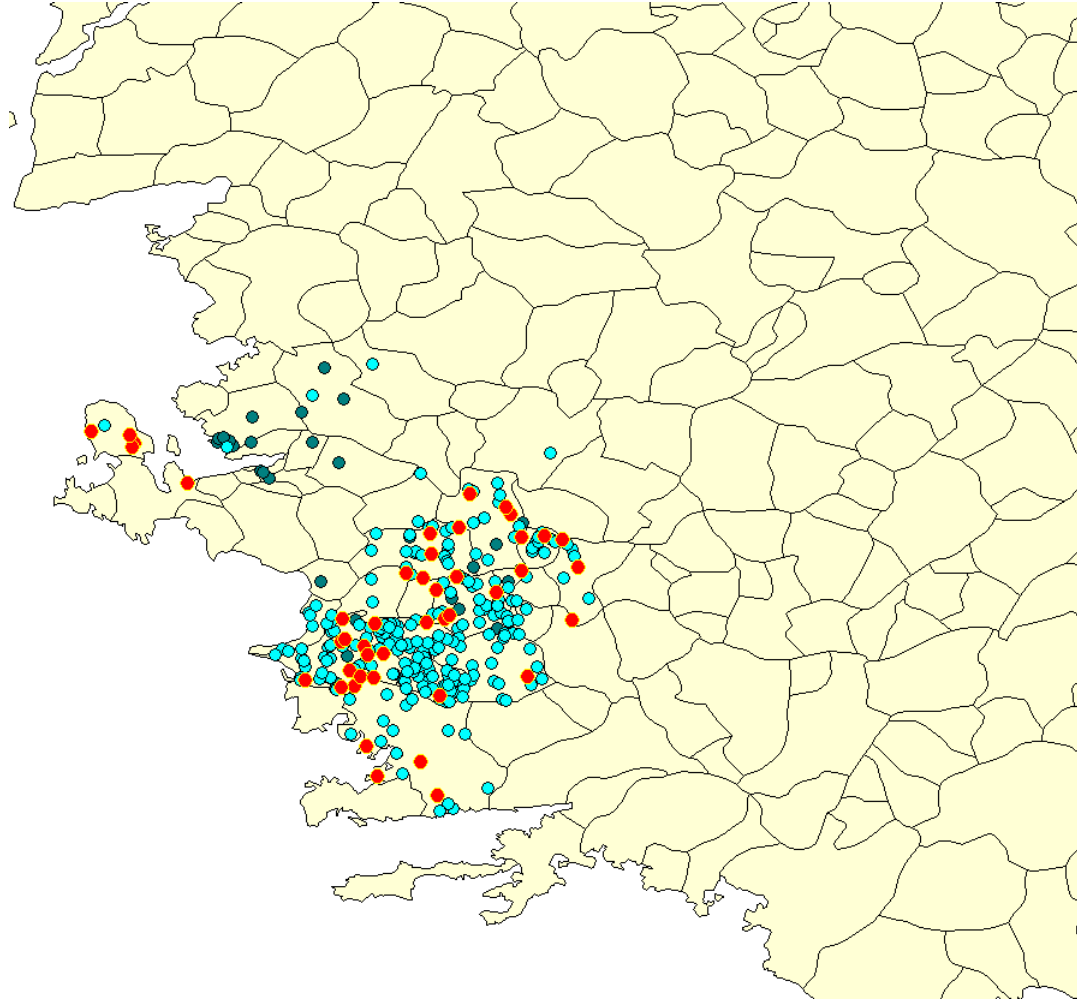
# 2001

- dog
- cattle
- fox



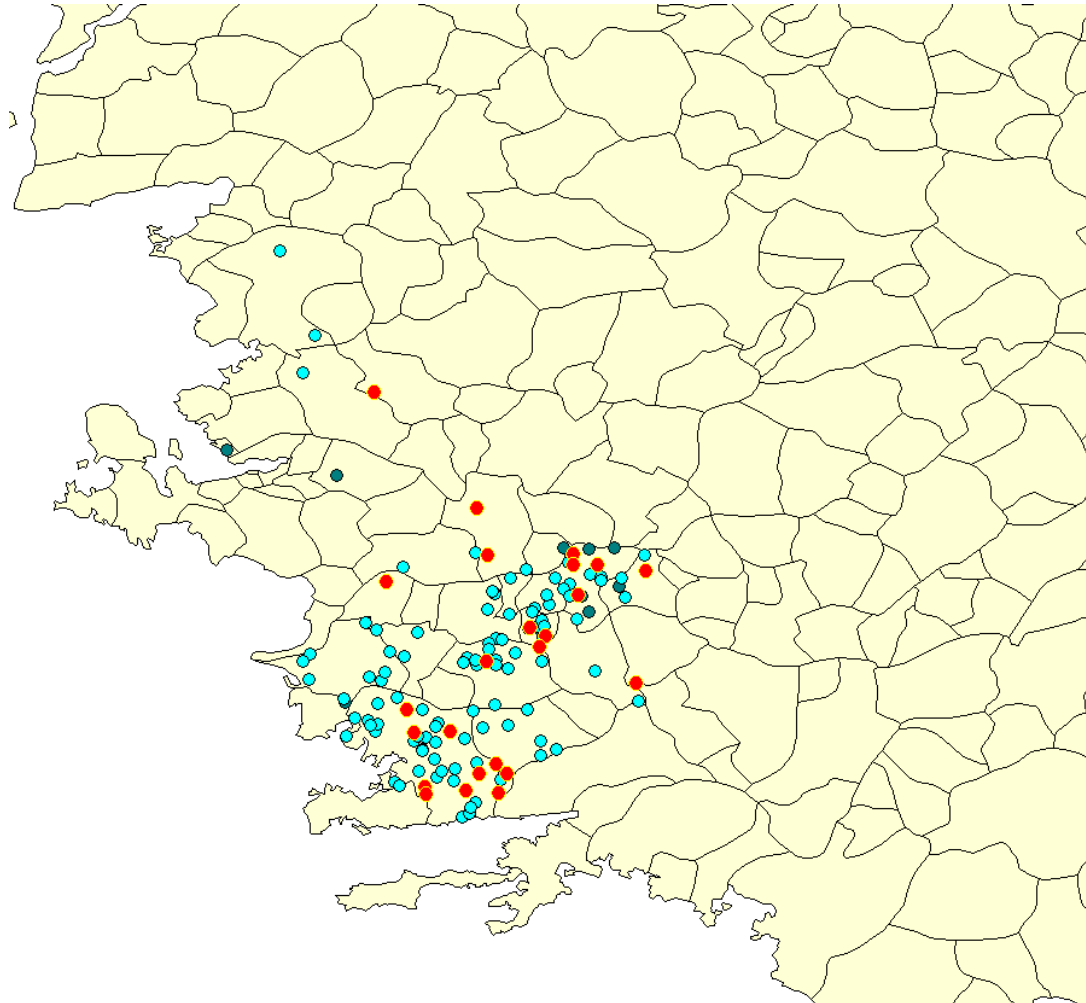
# 2002

- dog
- cattle
- fox



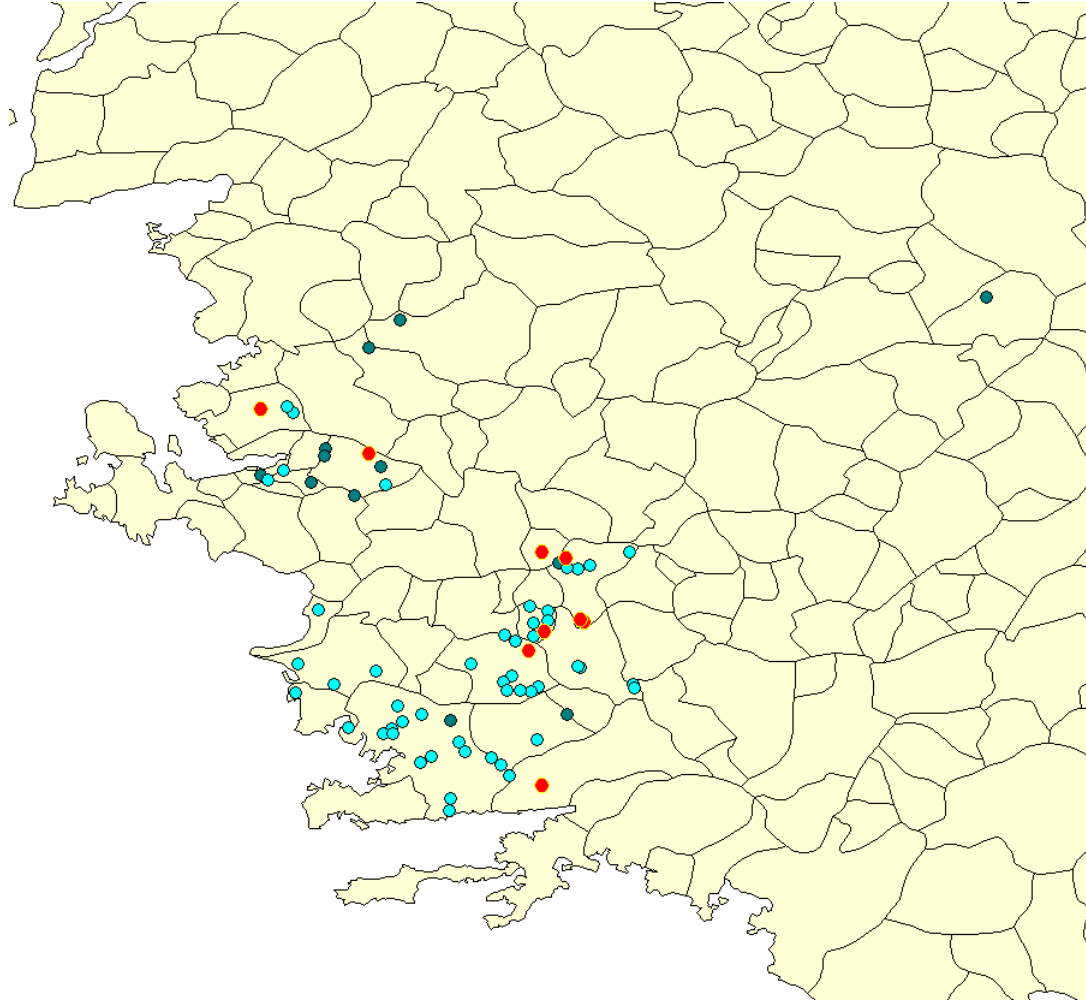
# 2003

- dog
- cattle
- fox



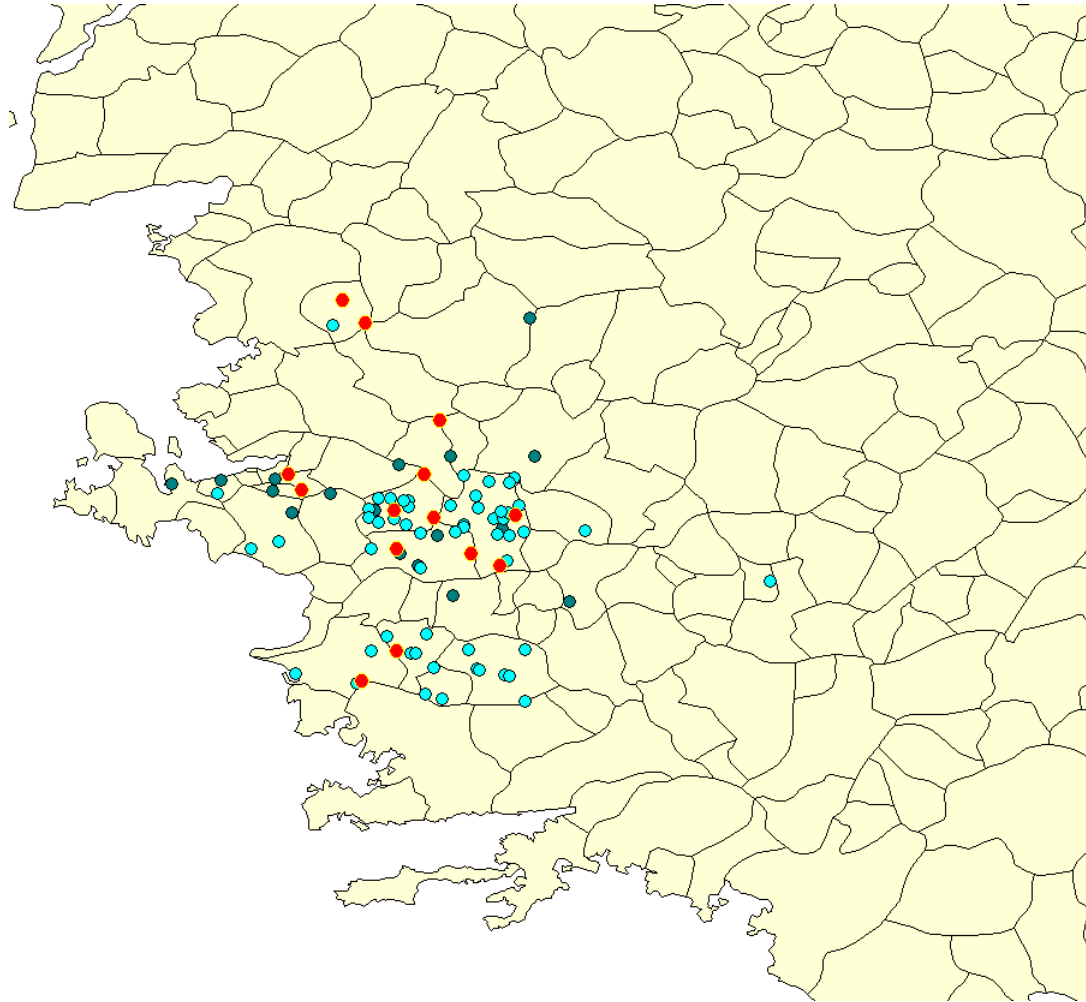
# 2004

- dog
- cattle
- fox



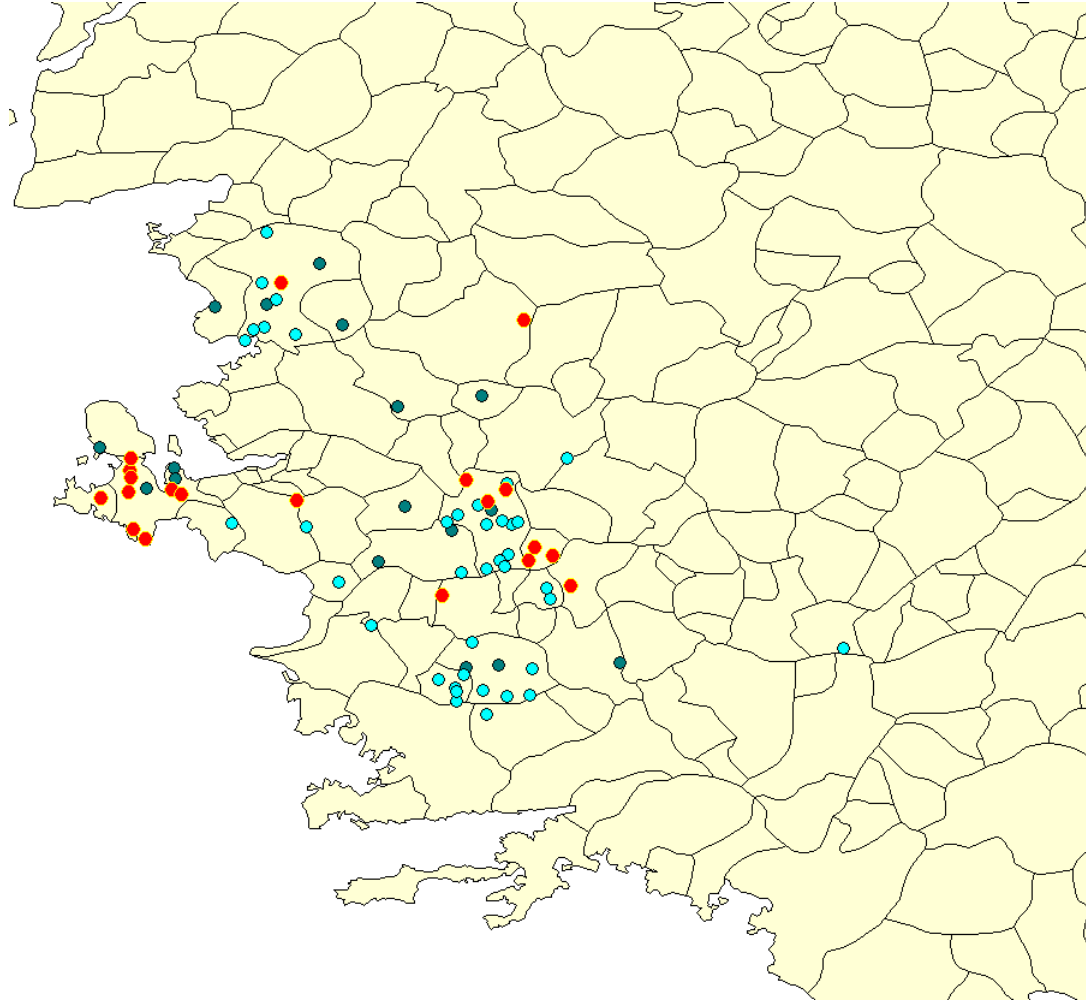
# 2005

- dog
- cattle
- fox



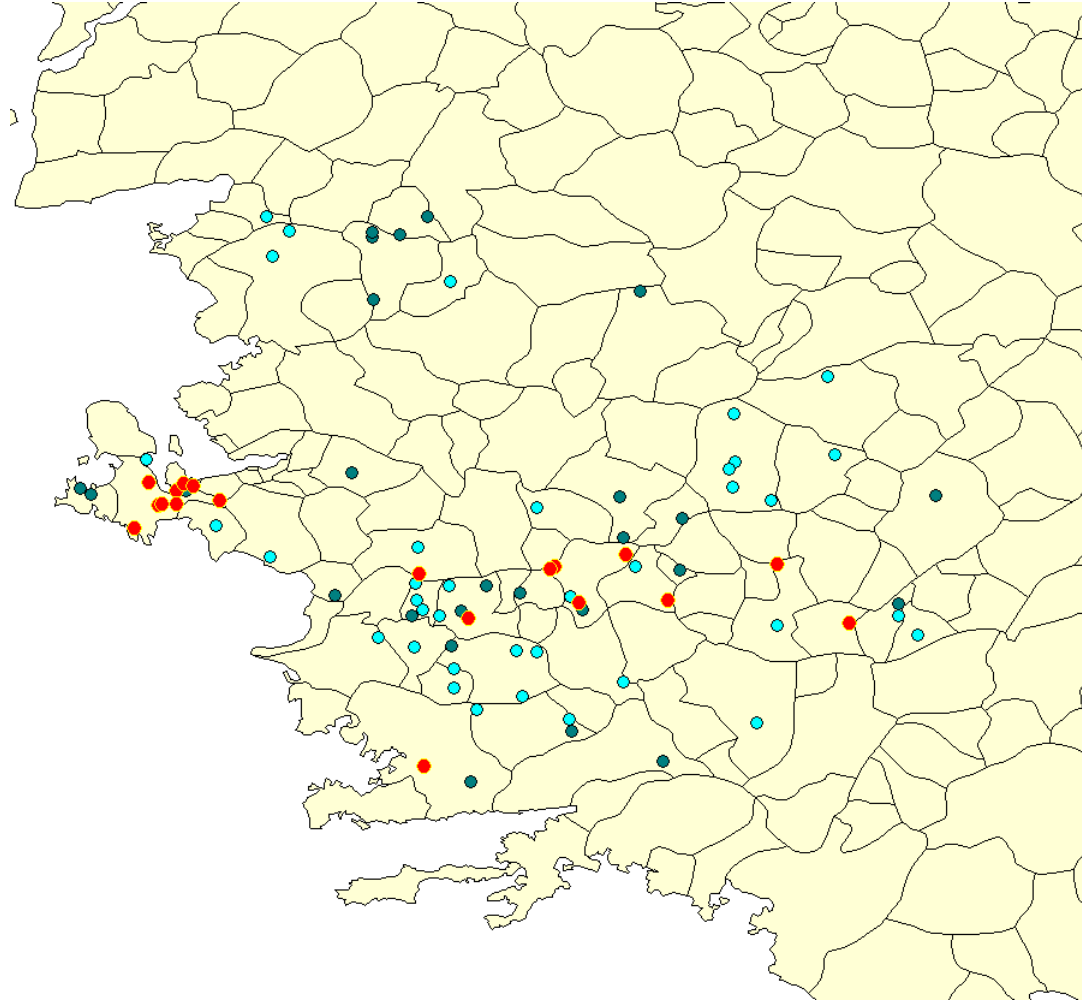
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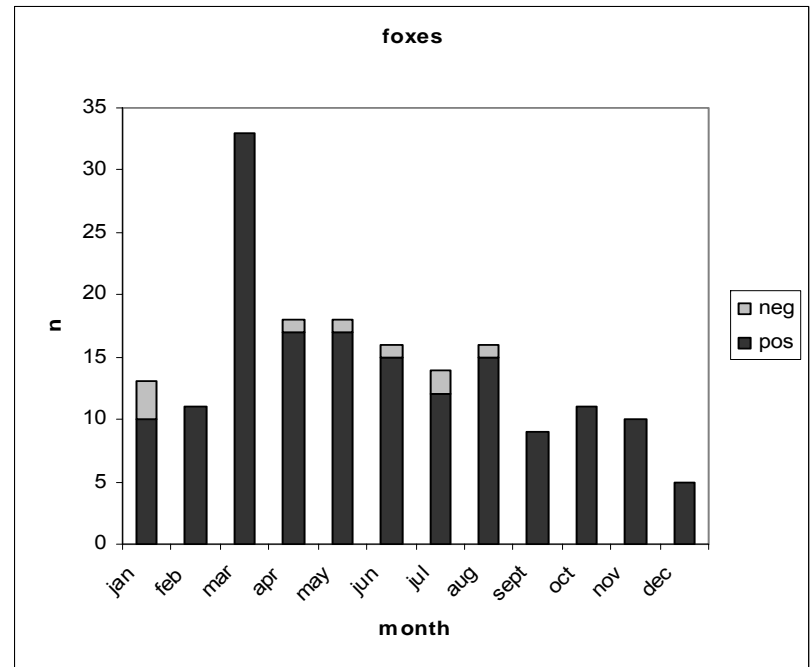
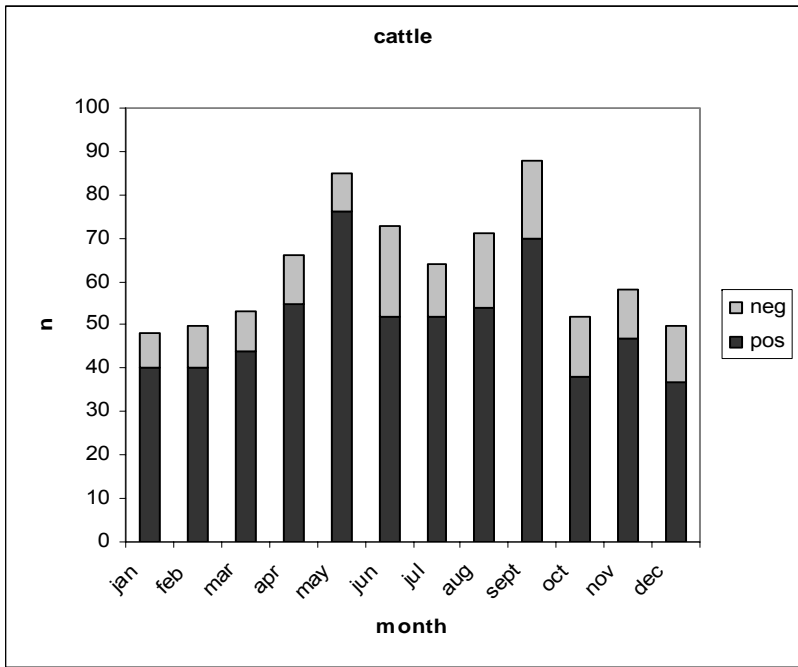
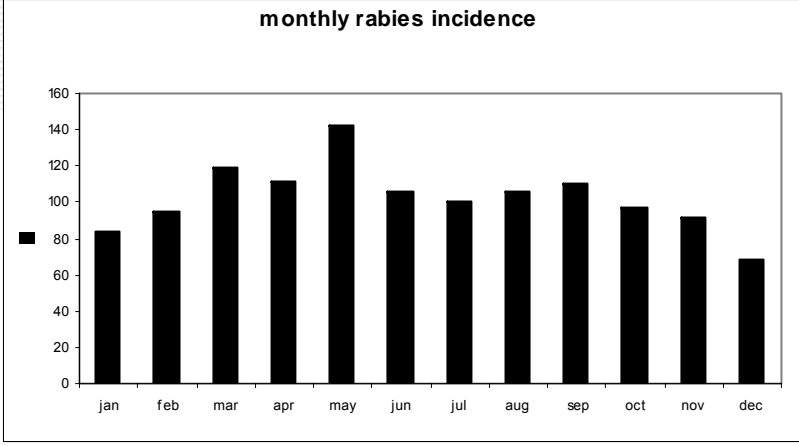
- dog
- cattle
- fox



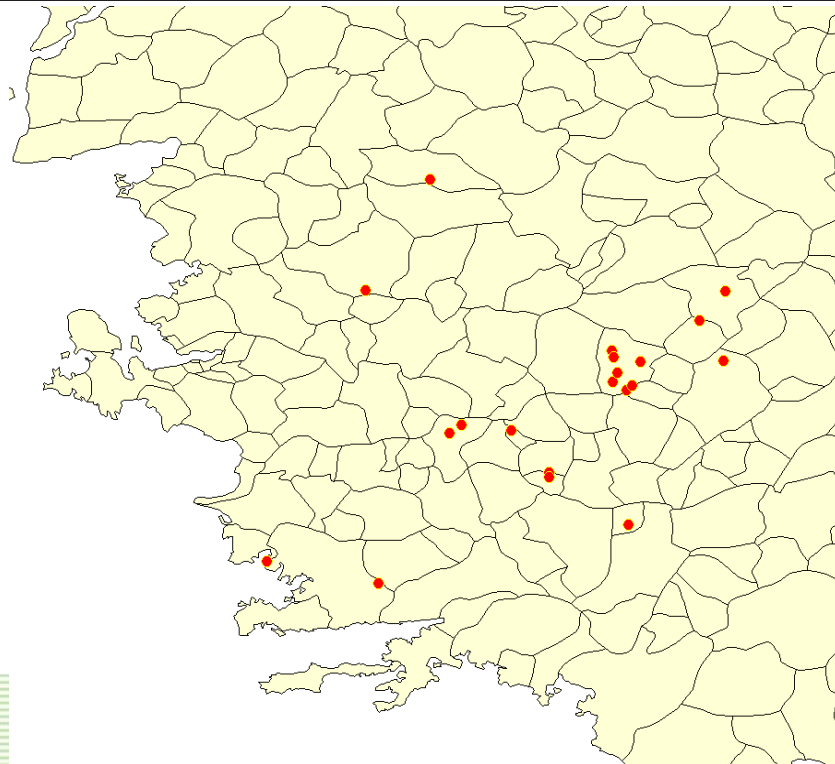
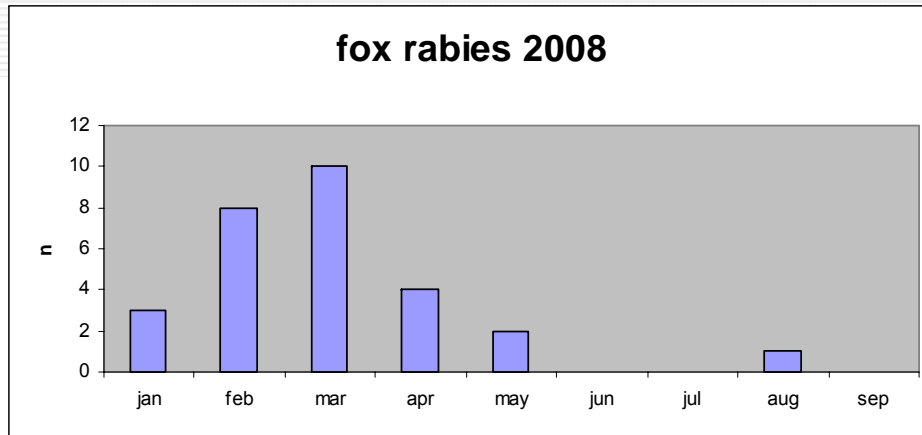
# 2007

- dog
- cattle
- fox





# Oral Vaccination Campaign of Foxes against Rabies



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