

**REPUBLIC OF TURKEY  
MINISTRY OF AGRICULTURE AND RURAL AFFAIRS  
GENERAL DIRECTORATE PROTECTION AND CONTROL**

**THE RABIES SITUATION IN TURKEY  
AND  
IMPLEMENTATION OF THE RABIES CONTROL DISEASE PROJECT  
By  
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**TAIEX Rabies Conference  
Antalya, 4- 5 Decamber 2008**



United Kingdom  
Sovereign Base Areas

# Organization of Veterinary Services in Turkey

Veterinary services are rendered by the GDPC under MARA through :

- Provincial and District Directorates,
- 8 Veterinary Control and Research Institutes,
- 1 National Foot and Mouth Institutes
- 6 Quarantine Stations,
- Provincial Control Laboratory Directorates.

# General Directorate of Protection and Control (GDPC)

- **Animal Health Services Department,**
- **Animal Movement and Quarantine Services Department,**
- **Public Health Services Department,**
- **Others Services**
  - **Veterinary medicine,**
  - **Products of animal origin,**
  - **Feeding stuffs**
  - **Fisheries.**



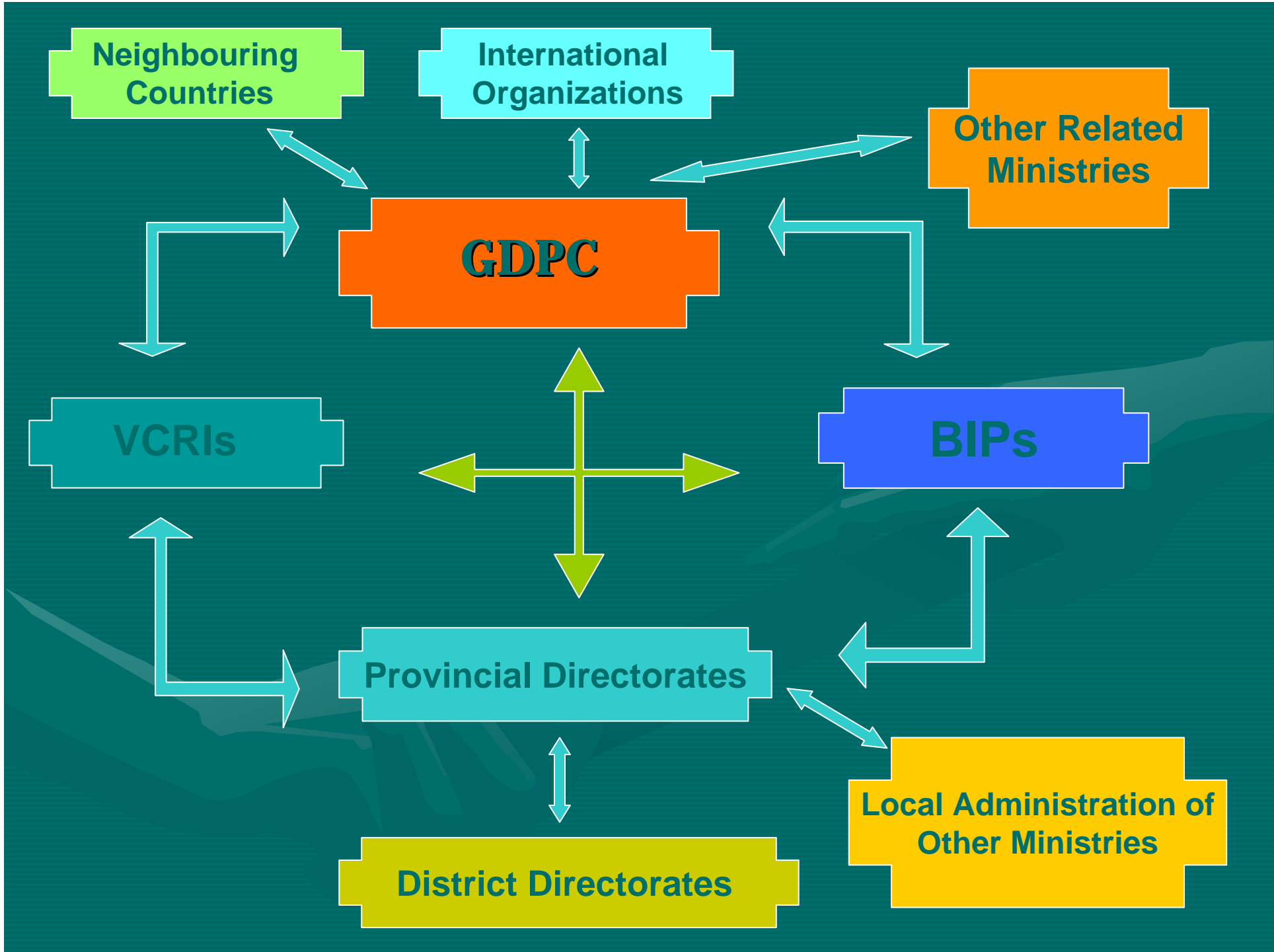
# LIVESTOCK INDUSTRY

Animal Species	1998	2002	2006
Cattle	11.031.000	9.804.000	10.130.594
Buffalo	176.000	121.000	79.940
<b>Total (Large Ruminants)</b>	<b>11.207.000</b>	<b>9.925.000</b>	<b>10.210.534</b>
Sheep	29.435.000	18.394.000	22.292.553
Goats	8.057.000	6.780.000	6.123.197
<b>Total (Small Ruminants)</b>	<b>37.492.000</b>	<b>25.174.000</b>	<b>28.415.750</b>
Horse	330.000	249.000	222.175
Mule	133.000	95.000	68.912
Donkey	603.000	417.000	293.688
<b>Total (Equidae)</b>	<b>1.066.000</b>	<b>761.000</b>	<b>584.775</b>
Camel	1.400	880	750
Pig	5.000	3.600	1.217
Chicken	236.997.651	245.776.000	225.650.000
Duck	1.339.468	832.000	920.000
Goose	1.771.327	1.400.000	1.250.000
Turkey	3.805.345	3.092.000	2.980.000
<b>Total (Avian Population)</b>	<b>243.913.791</b>	<b>251.100.000</b>	<b>230.801.967</b>

# Notifiable Diseases

1	Rinderpest
2	Foot and Mouth Disease
3	Bovine Tuberculosis
4	Bovine Brucellosis
5	BSE
6	Anthrax
7	<b>Rabies</b>
8	Sheep and Goat Pox
9	Caprine and Ovine Brucellosis
10	PPR
11	Blue Tongue
12	African Horse Sickness
13	Glanders
14	Dourine
15	Equine Infectious Anemia
16	Vesicular Stomatitis

17	Equine Encephalomyelitis
18	Avian influenza
19	Newcastle
20	Salmonella pullorum
21	Salmonella gallinarum
22	American Foul Brood (Bee Disease)
23	Scrapie
24	FSE
25	Bonamiosis
26	Marteiliosis
27	Spring Viraemia of Carp (SVC)
28	Viral Haemorrhagic Septicemia(VHS)
29	Infectious Pancreatic Necrosis (IPN)
30	Bacterial Kidney Disease (BKD)
31	Crayfish Plague



# THE RABIES SITUATION IN TURKEY

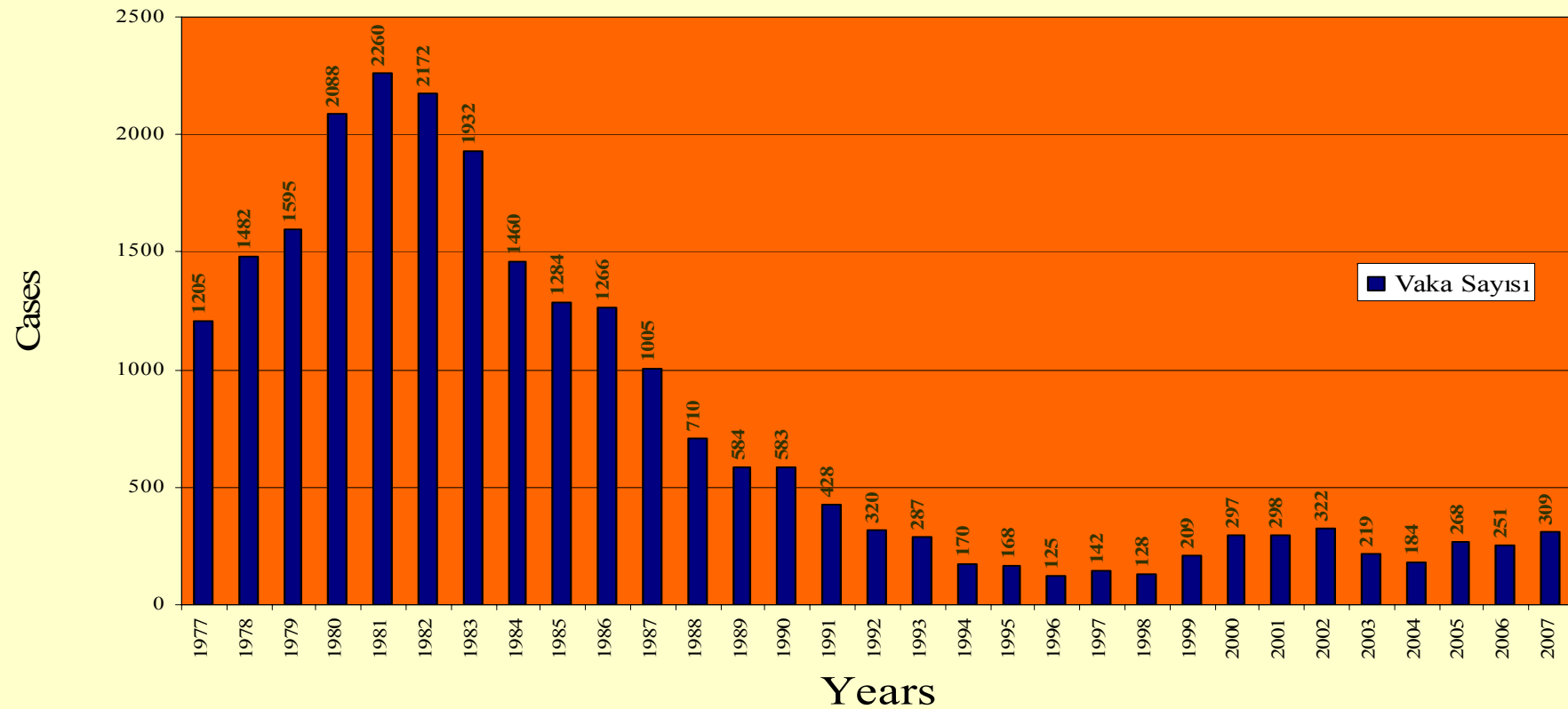
The background is a solid teal color. In the lower half, there is a faint, semi-transparent silhouette of two hands shaking, symbolizing agreement or partnership. The text is centered in the upper half.

# Rabies Strategy in Turkey

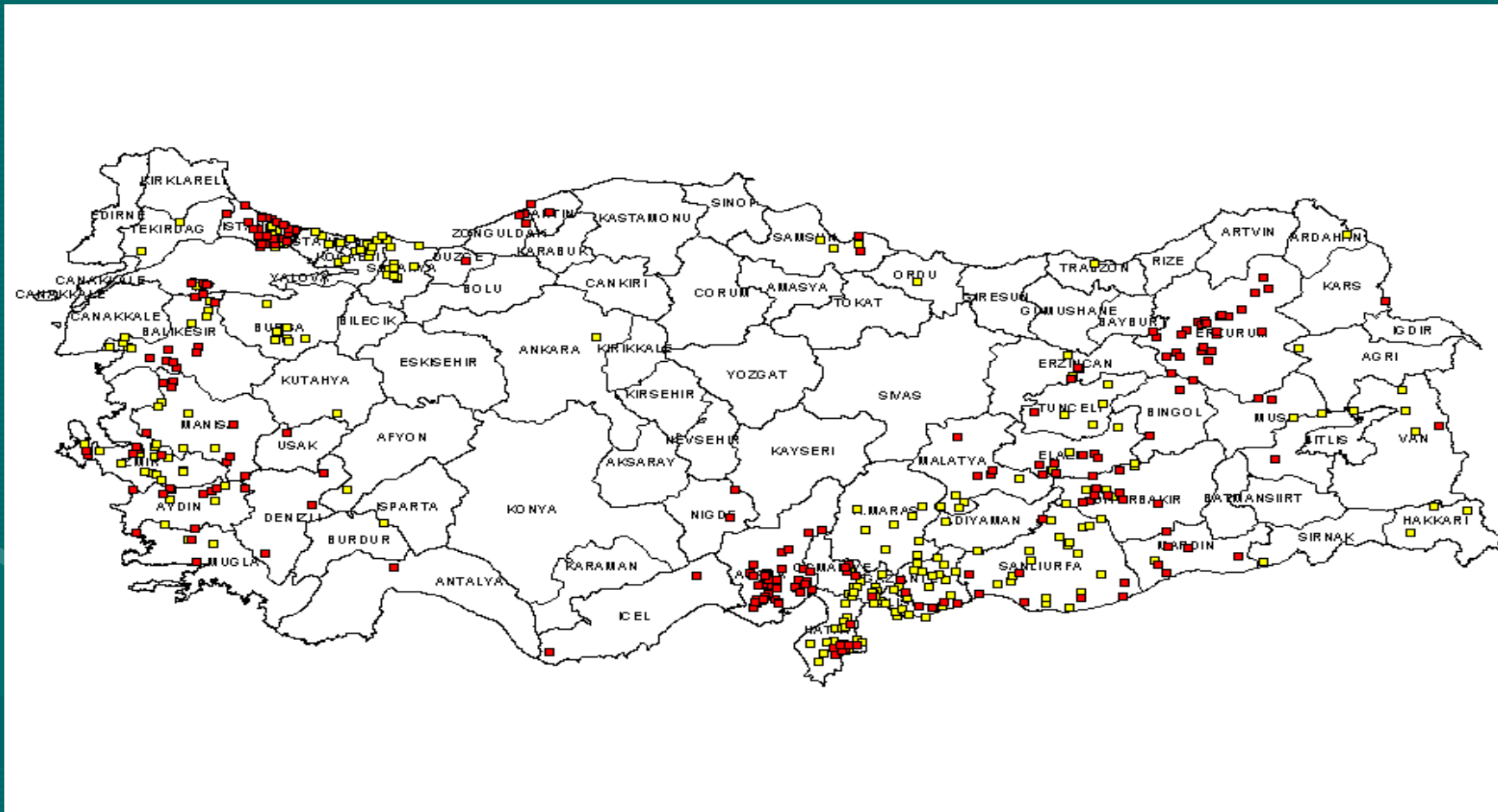
- **Animals having rabies or animals bitten by rabid animals shall be killed and destroyed without compensation.**
- **It is compulsory that owned cats and dogs are vaccinated against rabies**
  - **For 2008:**
    - **Vaccination were carried out in form of campaign between 24 February and 30 April.**
    - **Owned and ownerless dogs and cats were vaccinated during the campaign.**
    - **Cattle and horse, under risk, which are living close to wild animals (Aydın, Denizli, Izmir, Manisa, Mugla and Usak) were vaccinated.**

# Rabies Situation

## Number of Cases



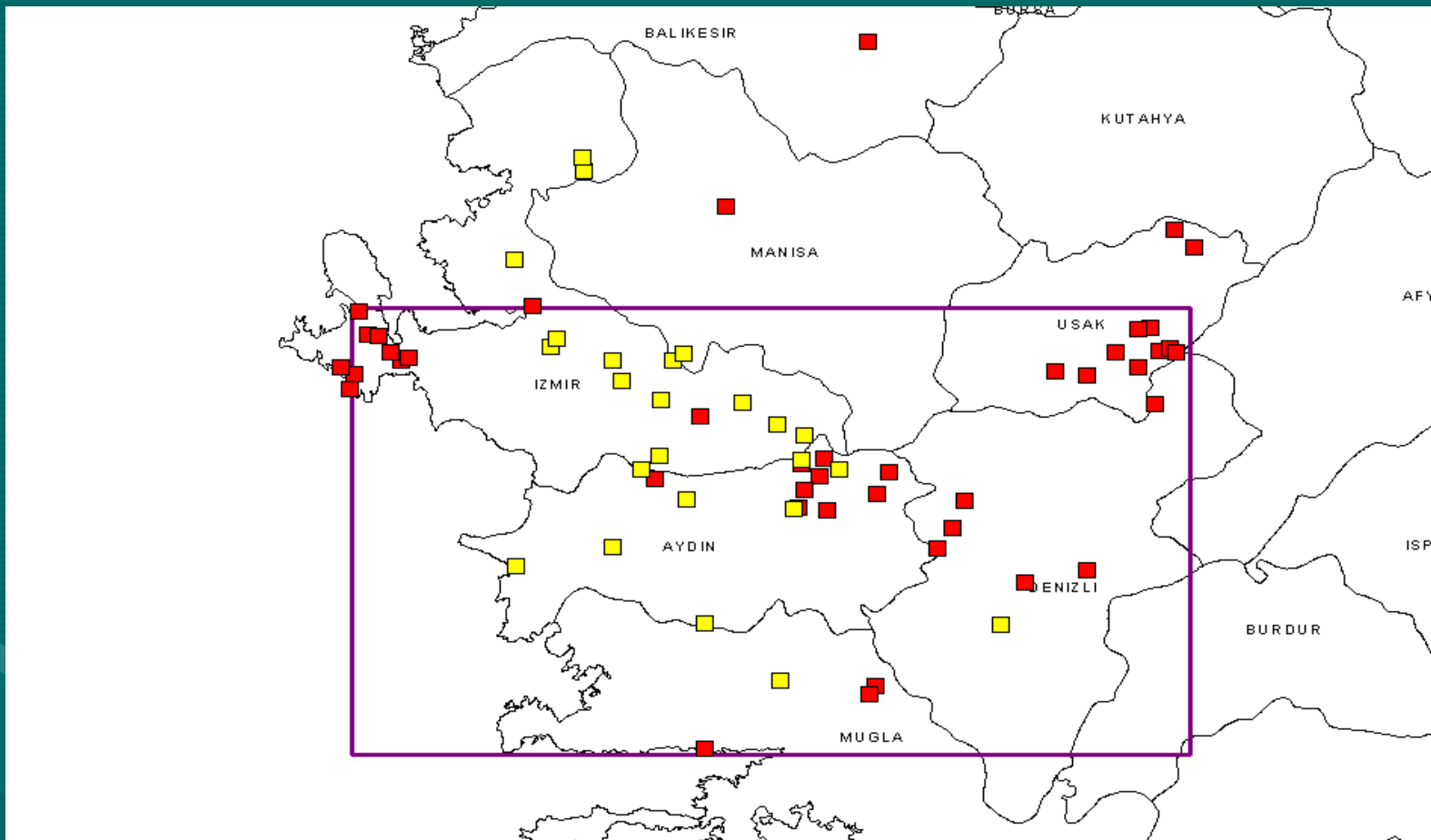
# Dog Rabies



Map : Distribution rabies cases in dogs. ■ 2004-05 ■ 2007-08

# Rabies Situation

## -Fox rabies



Map : Rabies cases in foxes in Aegean region. ( ■ 2004-05 ■ 2007-08)  
(rectangle: ORV area foxes 2008)

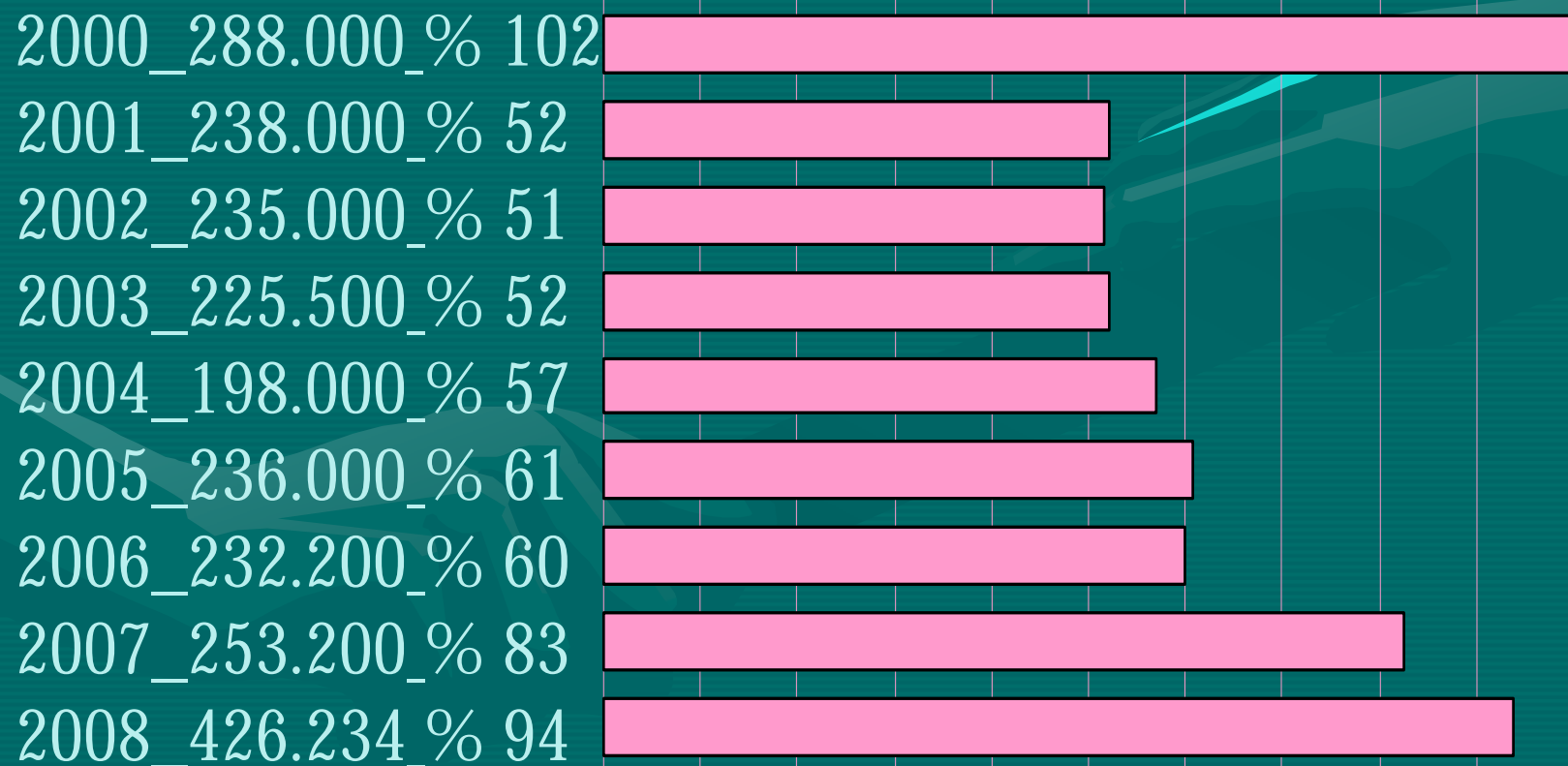
# Rabies Situation

## -Provinces with no rabies

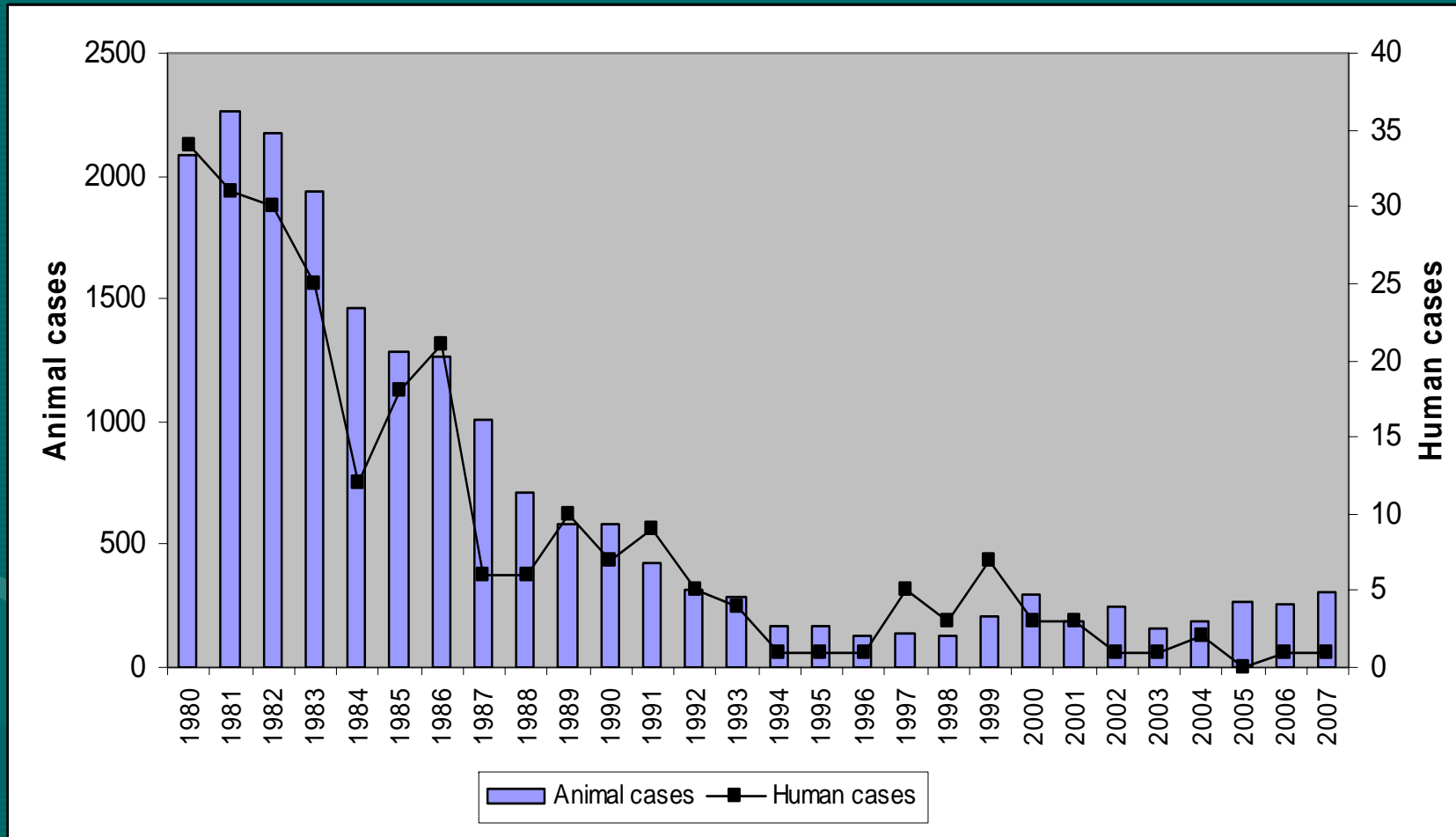


Map : Provinces reporting rabies cases in animals 2004-2008.      Fox mediated rabies

# Vaccination Coverage According to Programme, 2000-2008



# Animal and Human Cases



# Human cases and PEP

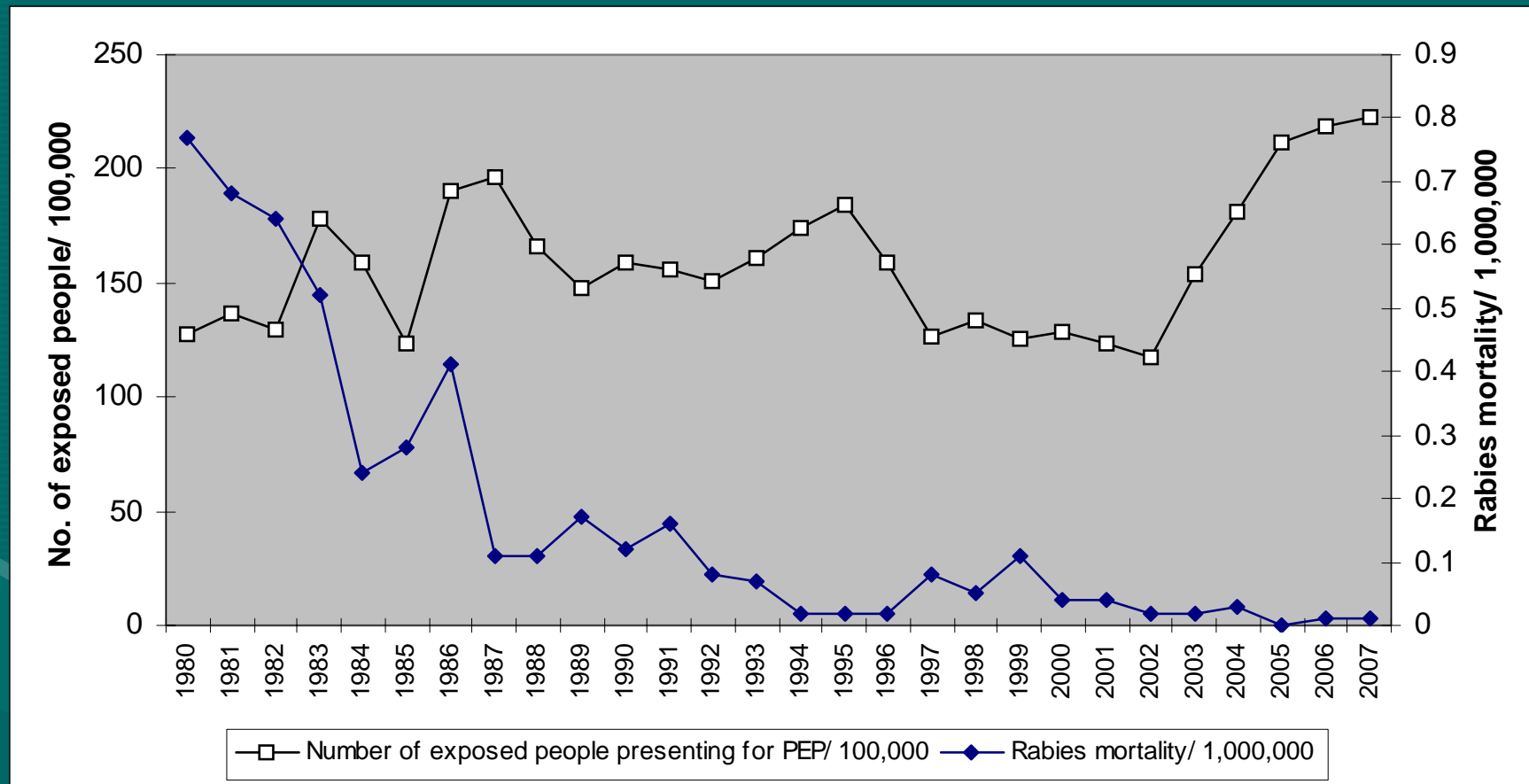


Figure : Number of people presenting for PEP and rabies mortality in Turkey 1980-2007 (MoH)

# **Project on Control of Rabies disease in Turkey**

The background is a solid teal color. In the lower half, there is a faint, semi-transparent silhouette of two hands shaking, symbolizing agreement or partnership. The text is centered in the upper half in a white, bold, serif font.

# **Project on Control of Rabies disease in Turkey**

- ▶ **Overall Objective:**

- ▶ **The overall objective of the project is to decrease the incidence of rabies, with a view for eradication of the disease in Turkey, to ensure a human and animal health status, like in the EU**

- ▶ **Duration : 2006 -2009**

- ▶ **Budget : 13.250.000 Euro**

# Main Components

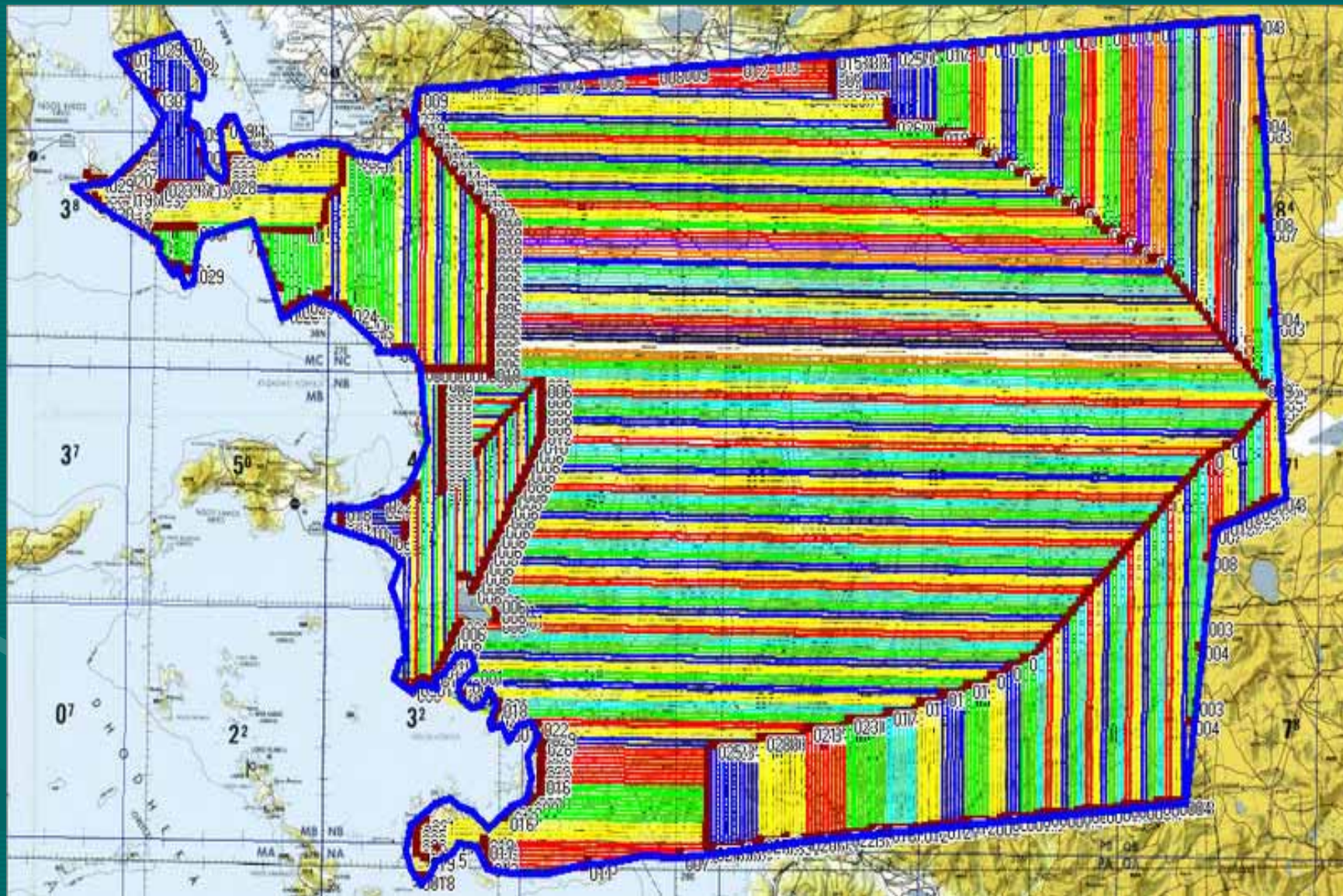
- **Supply of Laboratory Equipment**
- **Supply of Vaccines and Colour Bands**
- **Construction of 3 care unit**
- **Technical Assistance**

# Technical Assistance for Control of Rabies Disease

- **GA1-Animal disease control strategy**
- **GA2-Human risk reduction**
- **GA3-Training**
- **GA4-Communication and public awareness**

# **Animal disease control strategy(TA)**

- **Preparation of the Legislation**
- **Improving of position and role of NRL**
- **Analysing of Epidemiological Situation**
- **Estimation of Control Cost and Benefit Relation**
- **Oral Vaccination of Foxes**
- **Dog Census Pilot Scheme**
- **Mass Dog Vaccination Pilot Scheme**
- **Rabies surveillance in bats**
- **Improving of rabies related part of TURK-VET**



# **Technical Assistance for Control of Rabies Disease**

## **- GA2-Human Risk Reduction**

- **Improvements in registration and analysing of Profylaxis data and more adequate use of Post Exposure Profylaxis**

# Technical Assistance for Control of Rabies Disease

## GA3- Training

- **Plane Utilization and pilot skills**
- **Oral Vaccination**
- **Diagnostic techniques for rabies diagnosis**
- **Epidemiology**
- **Bat rabies surveillance**
- **Dog Census**

# Technical Assistance for Control of Rabies Disease

## GA4- Communication and public awareness

- **Oral/Parantheral Vaccination and Mass Dog Vaccination in Bursa**
  - **Flyers**
  - **Posters**
  - **Radio spots**
  - **TV spots**
  - **Cassette**
  - **Contest**

# KUDUZ İLE MÜCADELE

## BU BİR TAKIM OYUNU

EGE

7

KUDUZ

0

Görevim  
Tilkilerin Bulunduğu Bölgelere  
Aşı Yemlerini Atmak.

Tilkiler için Aşı Yemi

Kedi, Köpek,  
At ve Sığırları da  
Aşılacağız.

Aşı Yemleriyle  
Oynamayacağım.

Devletimiz,  
torunumuzu da tosunumuzu da  
canımızı da malımızı da  
düşünüyor.  
Biz de bu kampanyayı  
destekliyoruz.

Bir Süre  
Orman Yasak,  
Yemleri Yememem  
Gerek.

Aşıma Dokunmayın!



Detaylı bilgi için: Tarım İl Müdürlüğüne başvurunuz.

### UYARI

- ▶ Aşılama helikopterlerini gördükten sonra bir hafta süreyle **gördüğünüz aşı yemlerine dokunmayın.**
- ▶ Bu süre içerisinde çocuklarınızı aşı yemlerine dokunmamaları konusunda uyarın. Evcil hayvanlarınızı **açık alanlara çıkartmayın.**
- ▶ Aşı yeminin içindeki sıvıya temas edilmesi durumunda **en yakın sağlık birimine başvurun.**

# Tilkilere Söylemeyin Yemlerini Ellemeyin

## Çocuklar!

Sakin tilkilere söylemeyin.  
Tilkiler için yemler attık.  
Bu yemleri yerlerse  
tilkiler aşılanmış olacak.  
Tehlikeli kuduz hastalığından  
tilkiler de biz de kurtulacağız.



## Sakin Aşı Yemlerini Ellemeyin!

Aşı yemlerine dokunursak  
yemlerin kokusu değişir ve  
tilkiler aşı yemlerinin kokusunu alamaz,  
yemleri yemezler ve aşılanamazlar.

## Aşı Yemlerine Dokunulmaz!

Eğer dokunursanız, hastalanmamak için  
mutlaka büyüklerinize, annenize, babanıza  
ve öğretmenlerinize söyleyin.



Detaylı bilgi için:  
Tarım İl Müdürlüklerine başvurunuz.



**THANK YOU FOR YOUR  
ATTENTION**

