

REPUBBLICA ITALIANA



*Regione Siciliana*

**ASSESSORATO DELLA SALUTE**

*Dipartimento Attività Sanitarie ed  
Osservatorio Epidemiologico*

# *BRUCELLOSIS in Sicily: Evolution of the eradication programme*



*Bruxelles, 4 ottobre 2011*



# OVINE AND CAPRINE BRUCELLOSIS

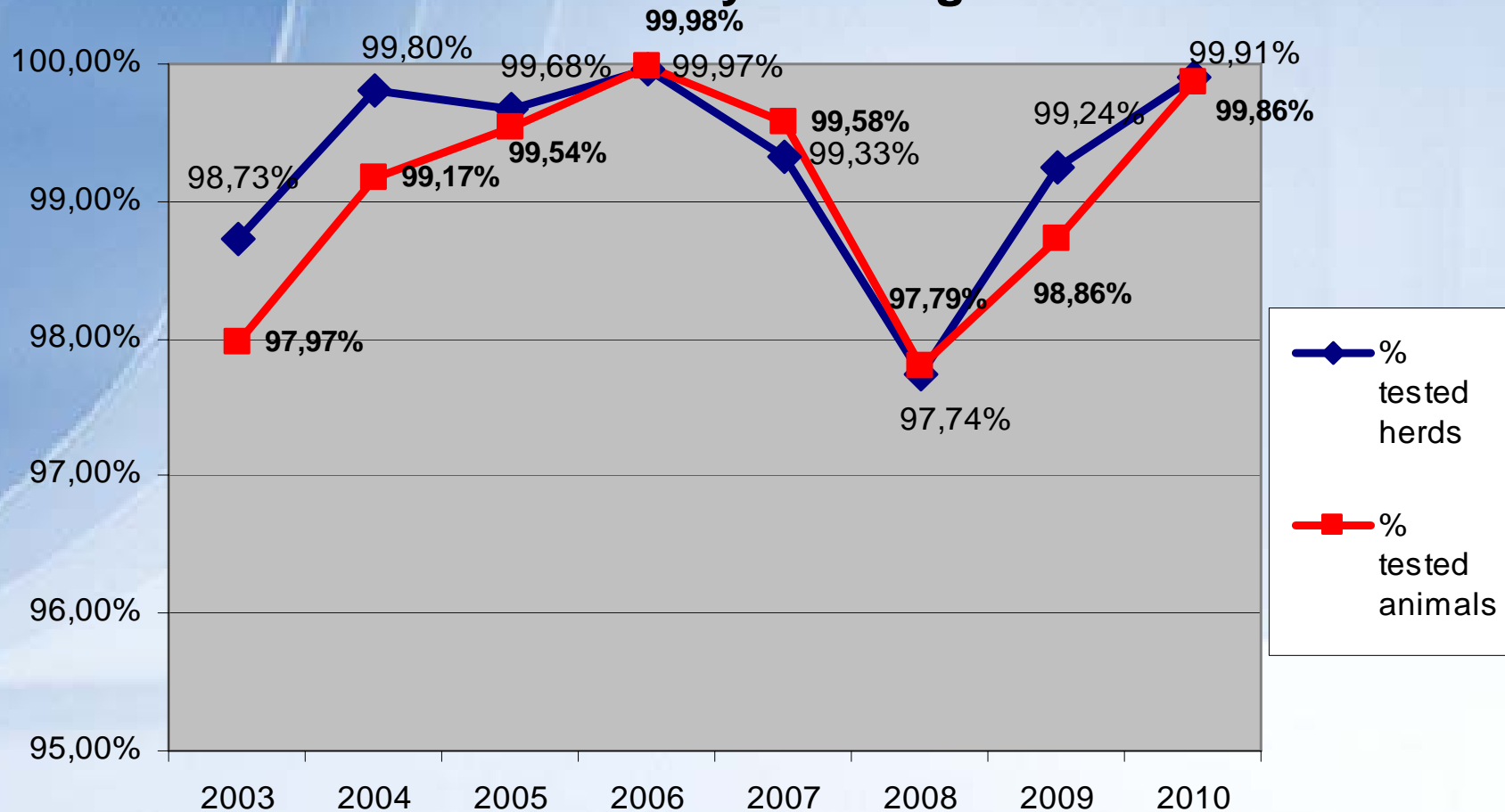
## Results of the eradication programme





# OVINE AND CAPRINE BRUCELLOSIS

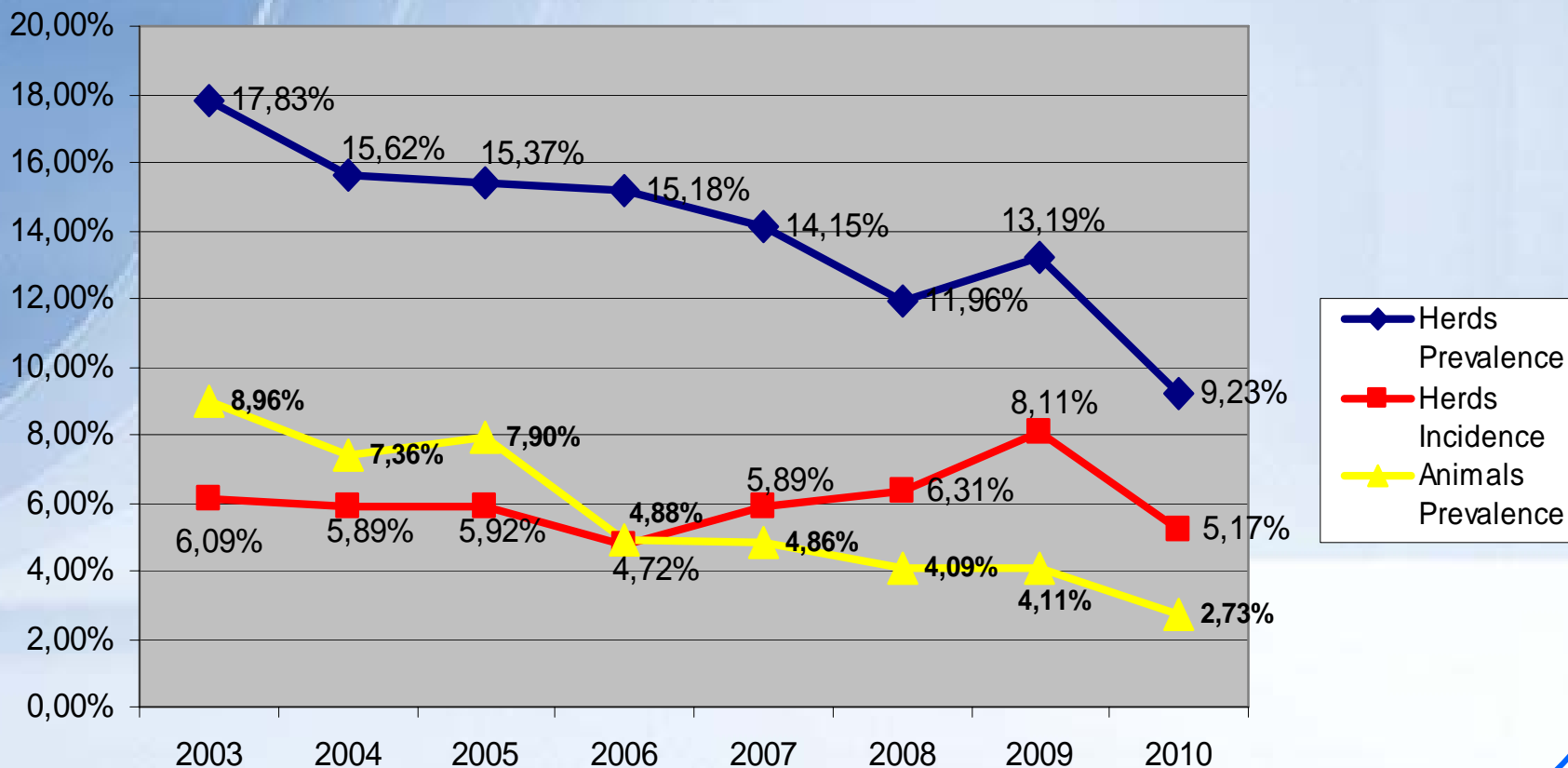
## Territory coverage





# OVINE AND CAPRINE BRUCELLOSIS

## Prevalence - Incidence

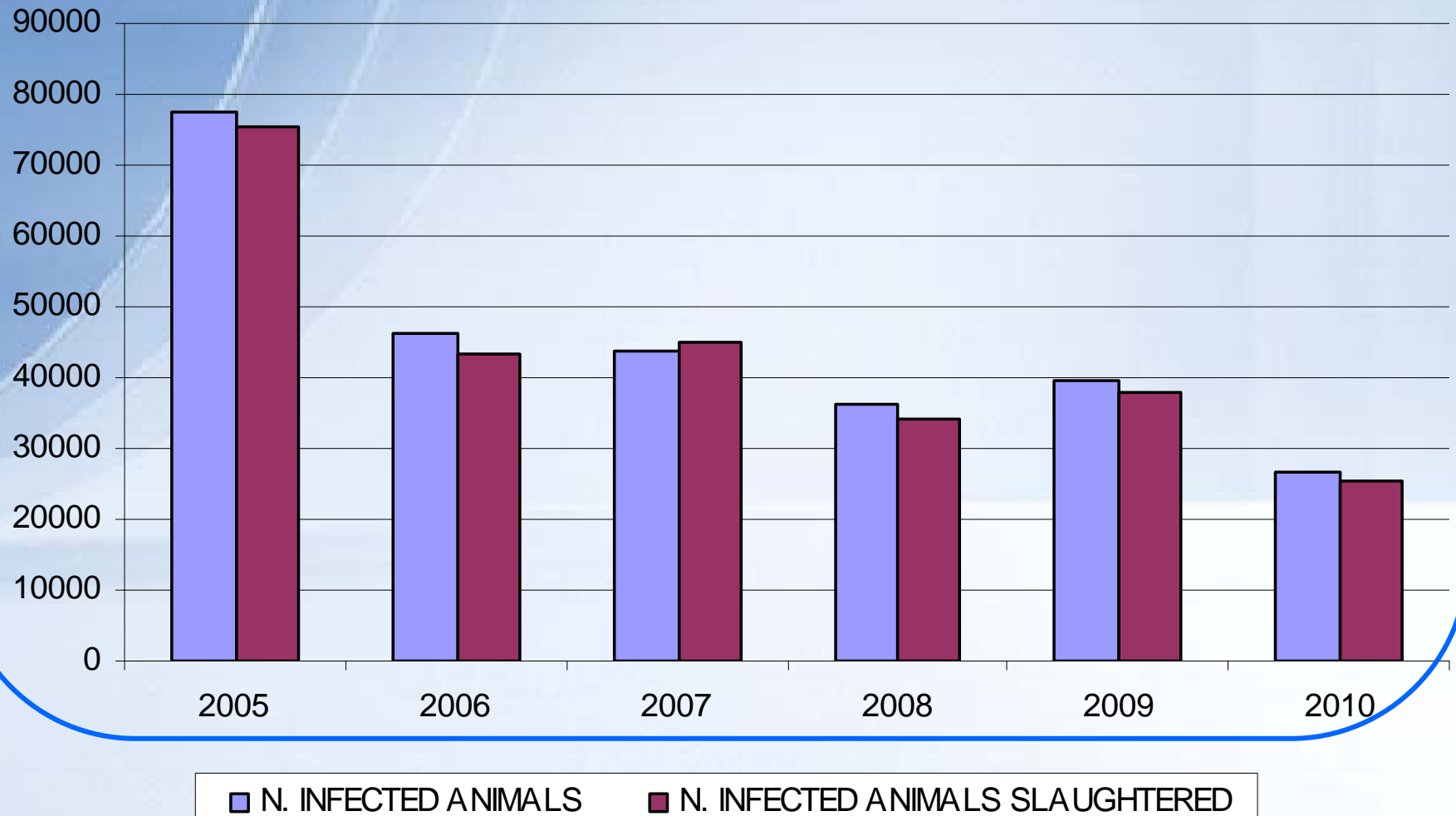




# OVINE AND CAPRINE BRUCELLOSIS



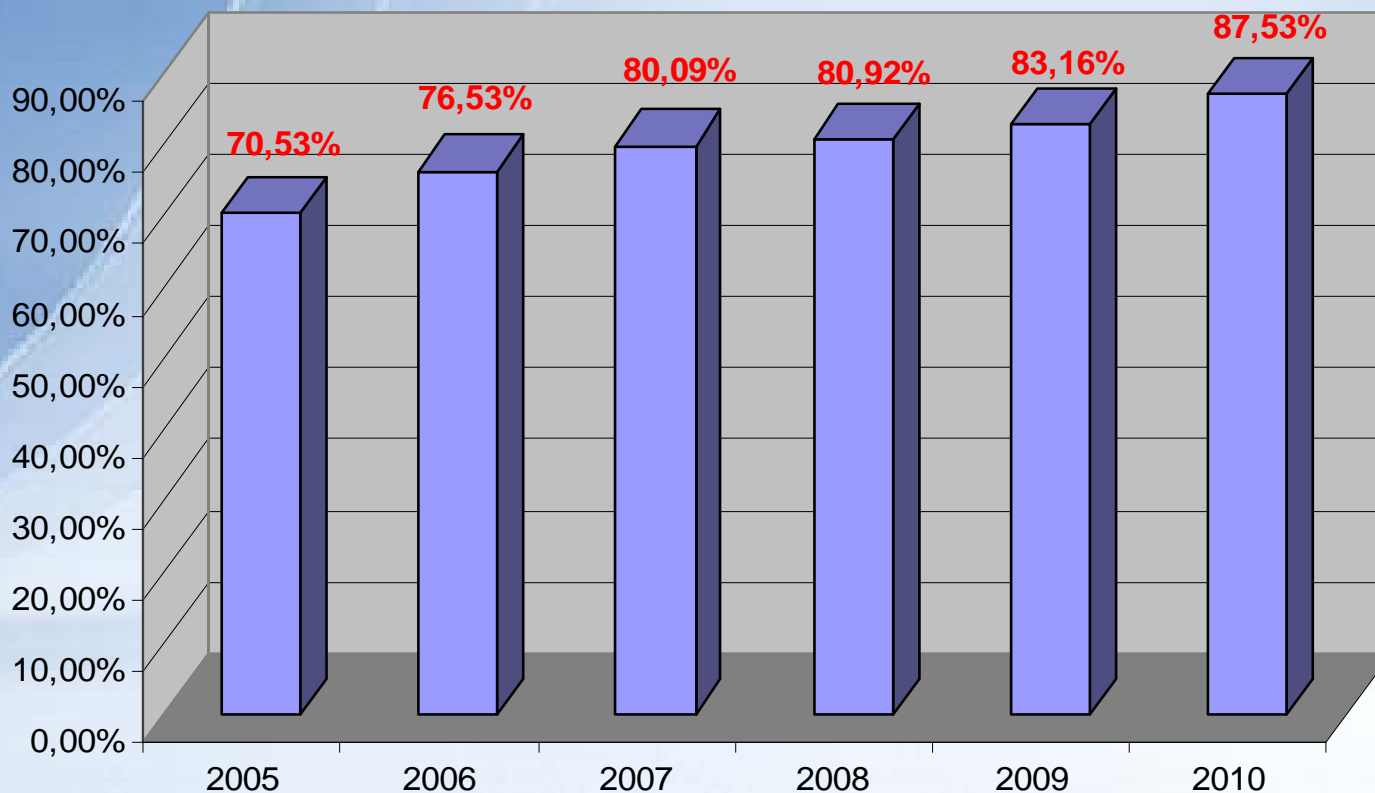
## TREND IN SLAUGHTERING OF REACTORS





# OVINE AND CAPRINE BRUCELLOSIS

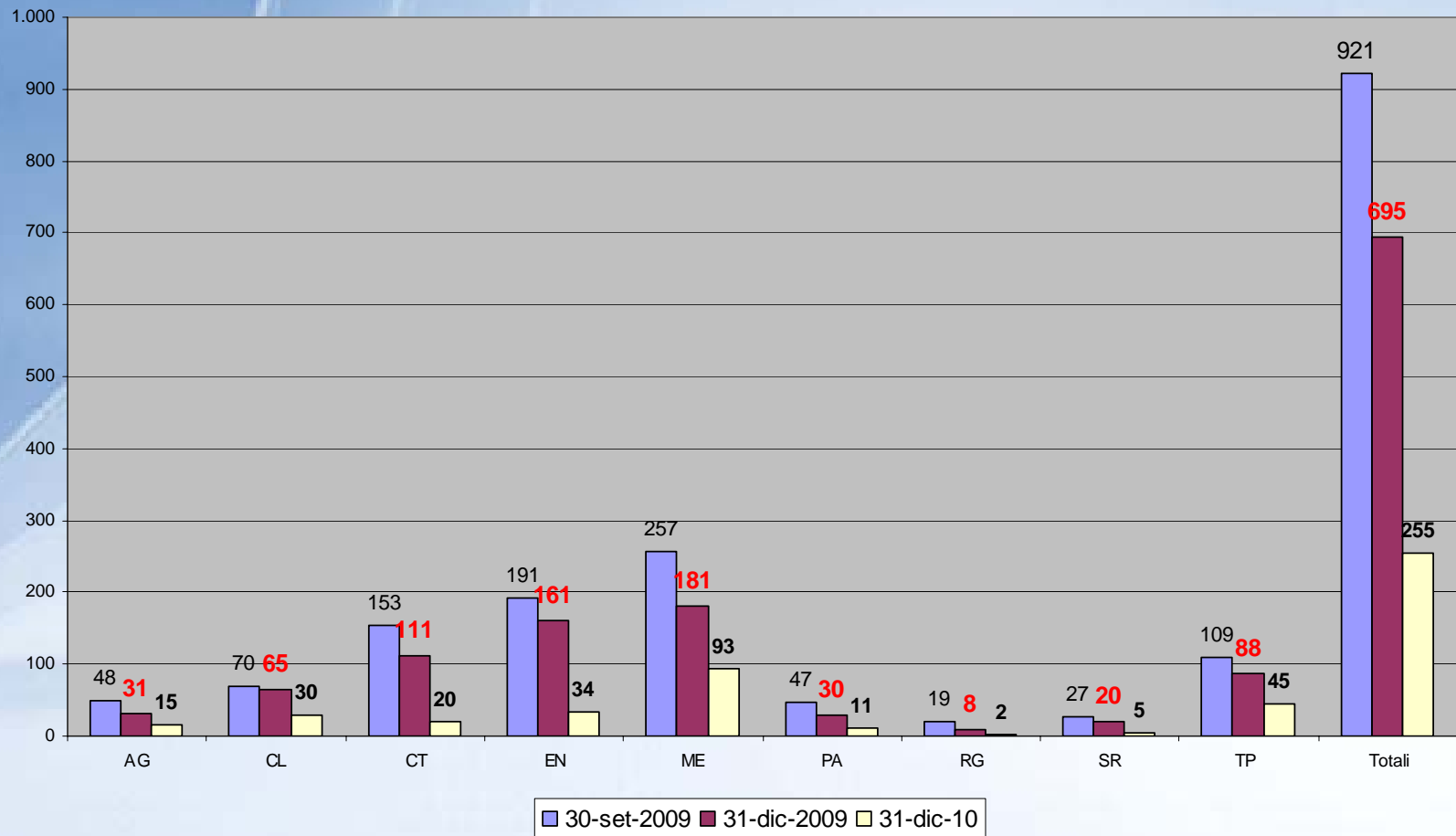
**% Vaccinated + Officially Brucellosis Free (OBF) Herds**





# OVINE AND CAPRINE BRUCELLOSIS

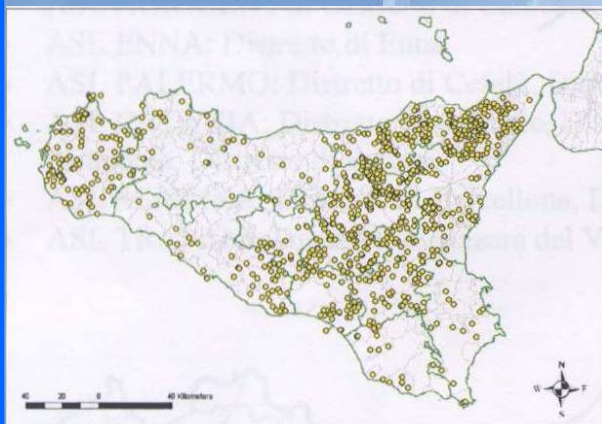
## PROBLEMATIC HERDS





# OVINE AND CAPRINE BRUCELLOSIS

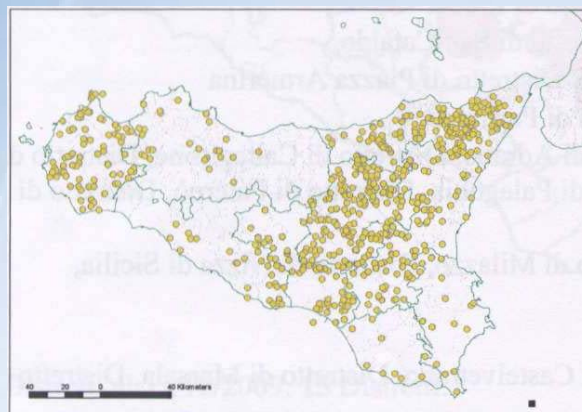
## Problematic Herds



**30th Sept 2009**

**n. 921**

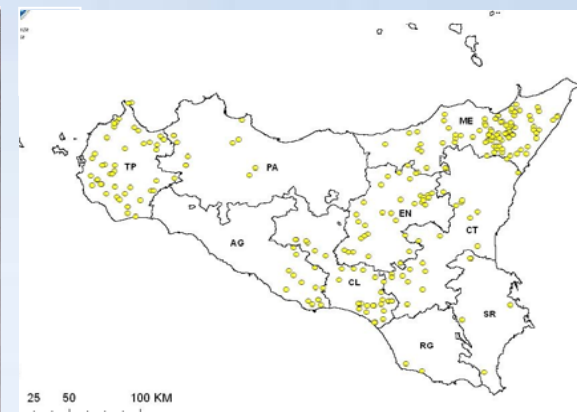
**-226 = -24,54%**



**31st Dec 2009**

**n. 695**

**-440 = -63,30%**



**31st Dec 2010**

**n. 255**

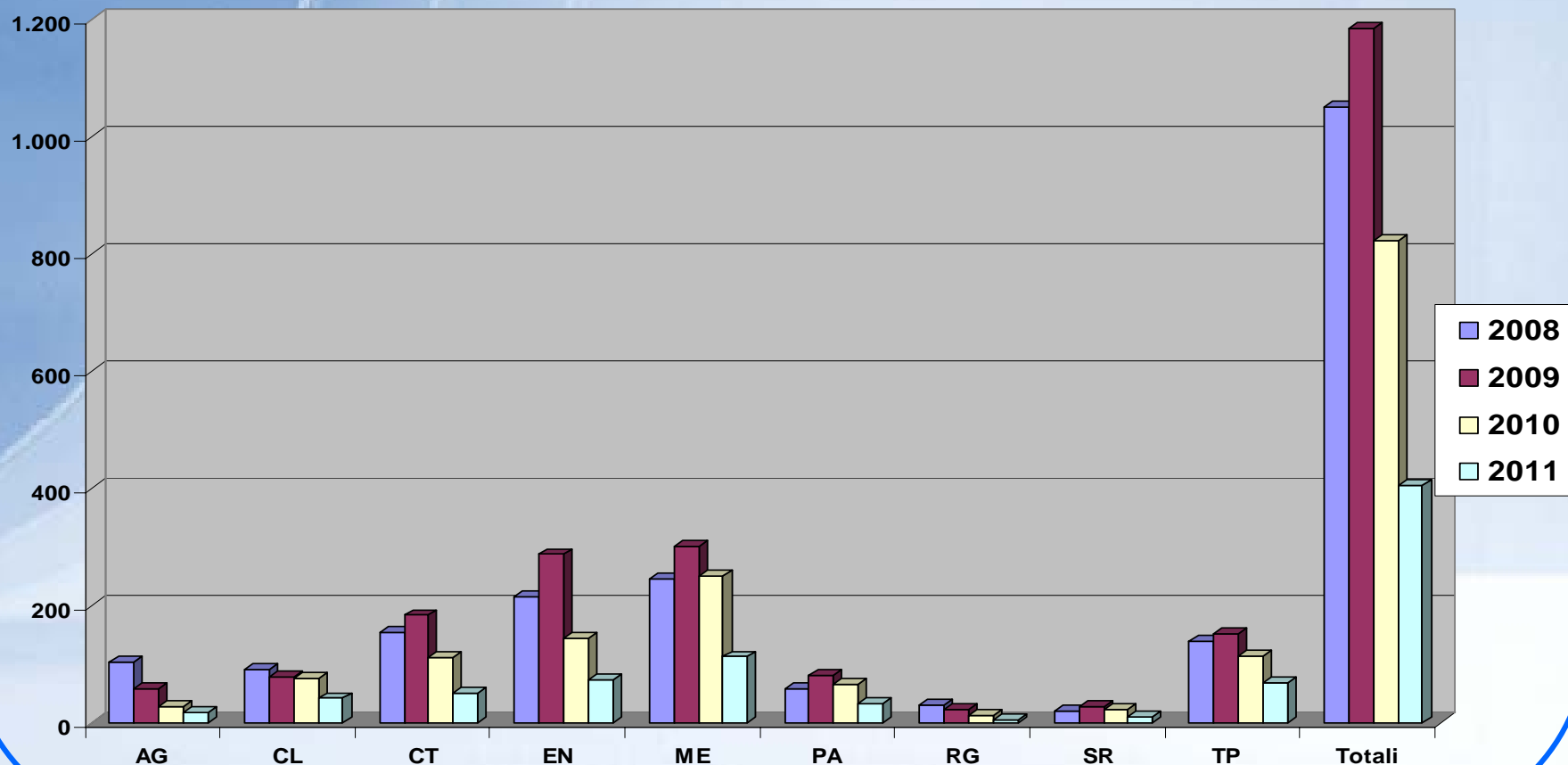
**-666 = -72,30%**



# OVINE AND CAPRINE BRUCELLOSIS



Trend in infected herds from 2008 to 2011





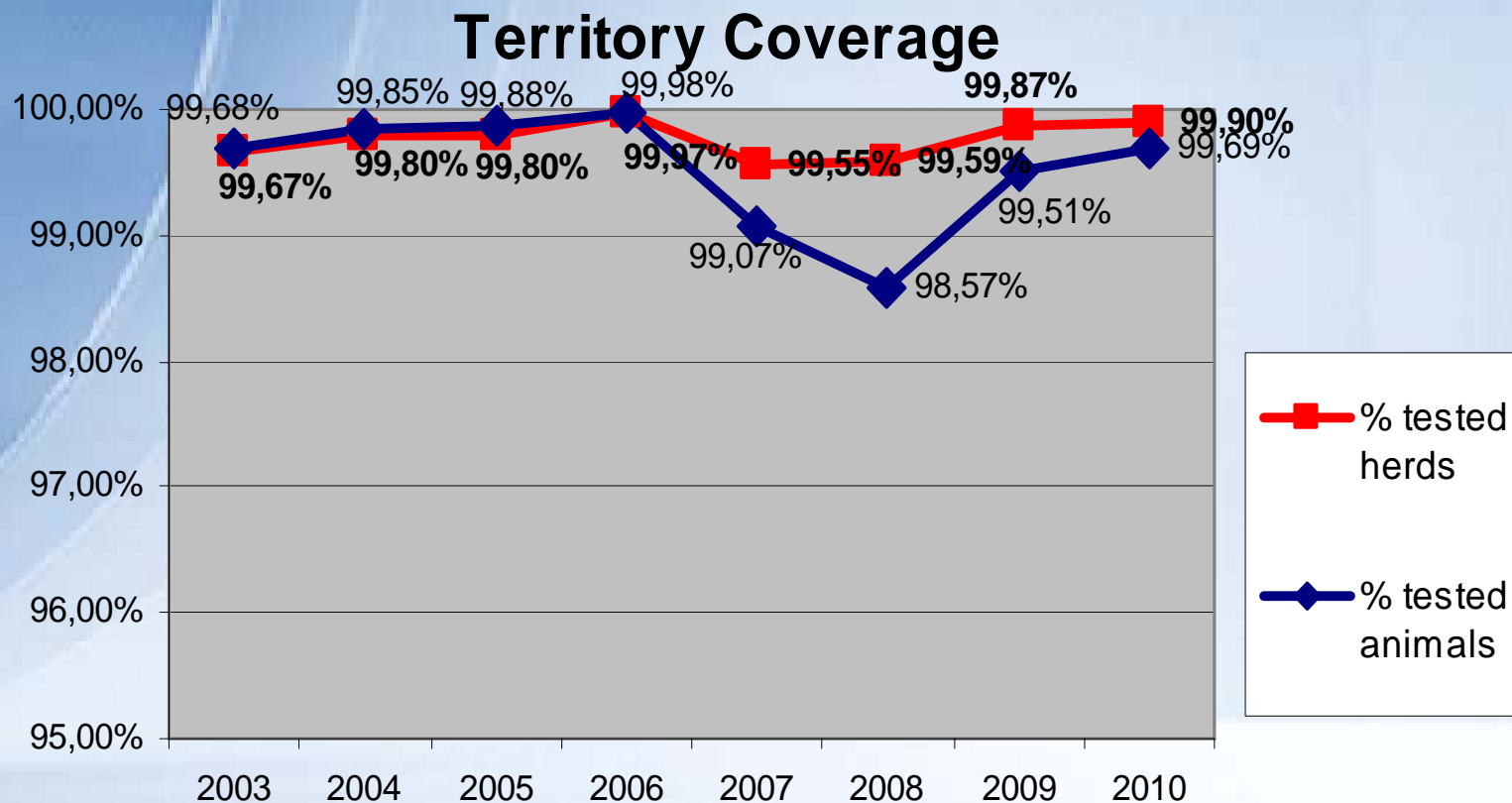
# BOVINE BRUCELLOSIS

## Results of the eradication programme





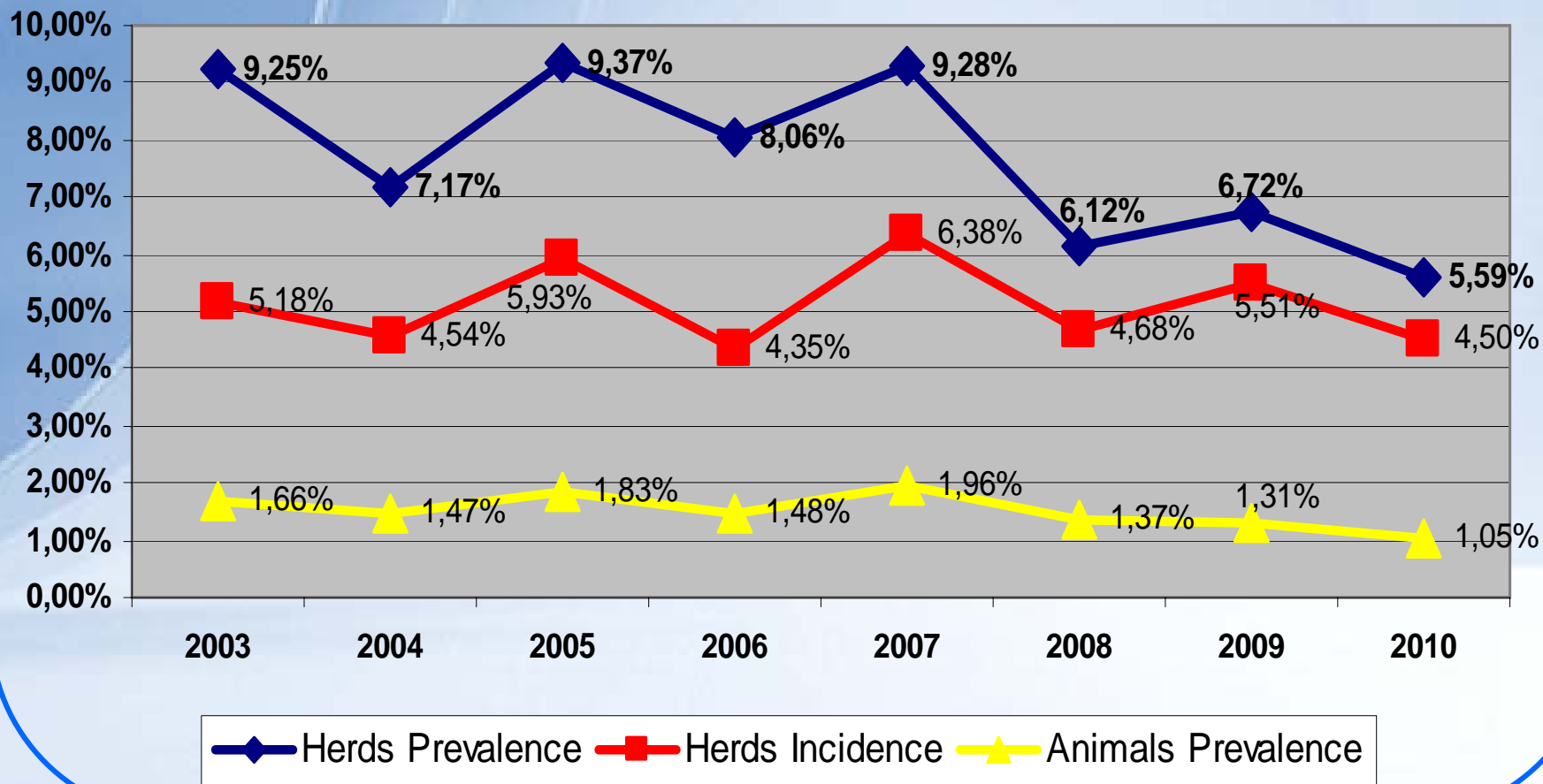
# BOVINE BRUCELLOSIS





# BOVINE BRUCELLOSIS

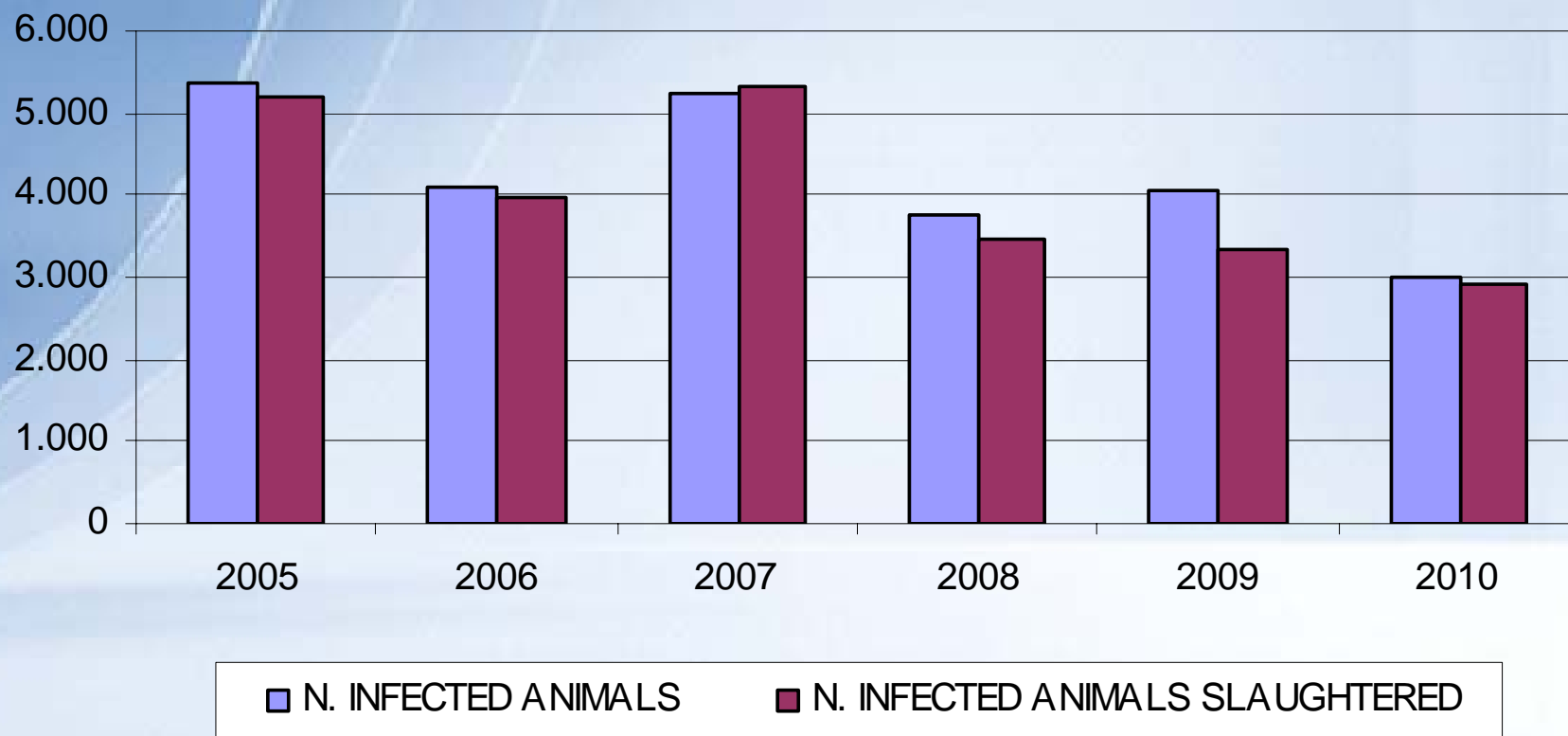
## Prevalence - Incidence





# BOVINE BRUCELLOSIS

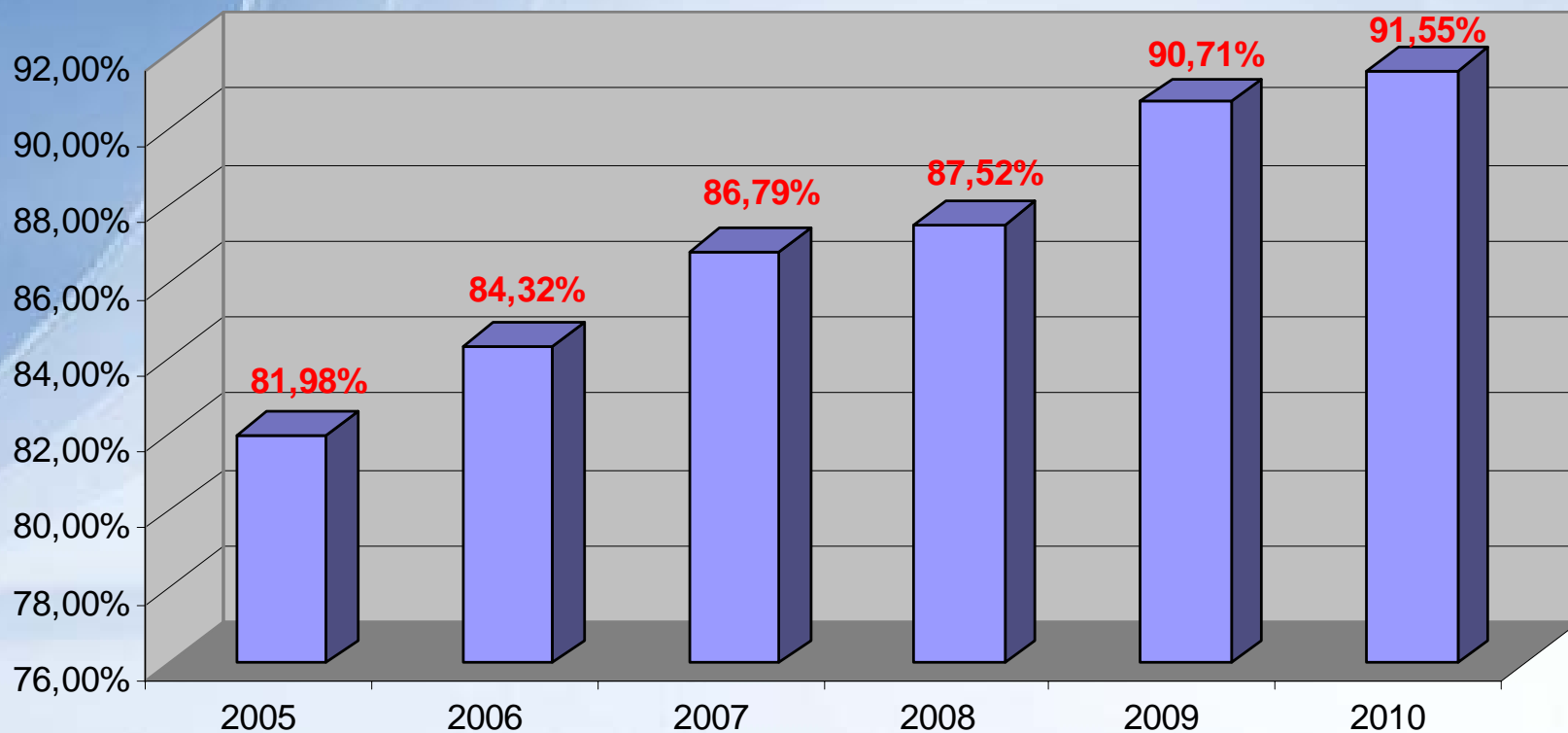
## TREND IN SLAUGHTERING OF REACTORS





# BOVINE BRUCELLOSIS

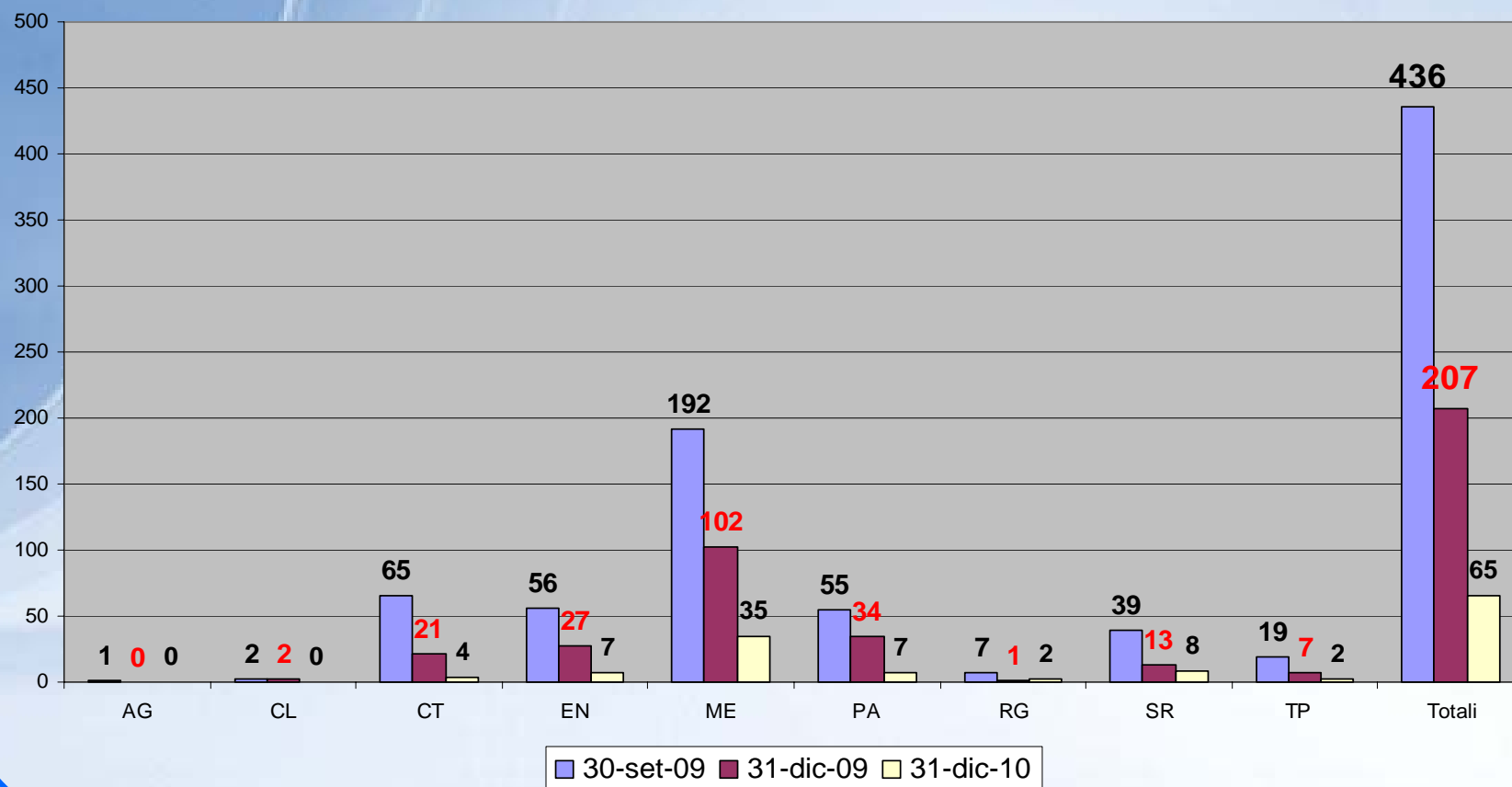
% Vaccinated + Officially Brucellosis Free (OBF) herds





# BOVINE BRUCELLOSIS

## PROBLEMATIC HERDS



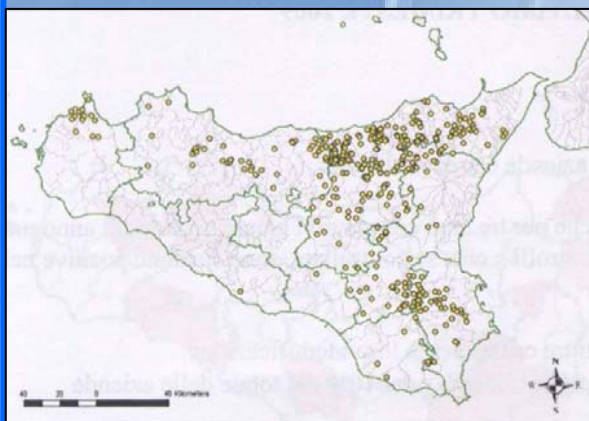
Dipartimento Attività Sanitarie ed Osservatorio Epidemiologico

Servizio 9 – Sanità Veterinaria



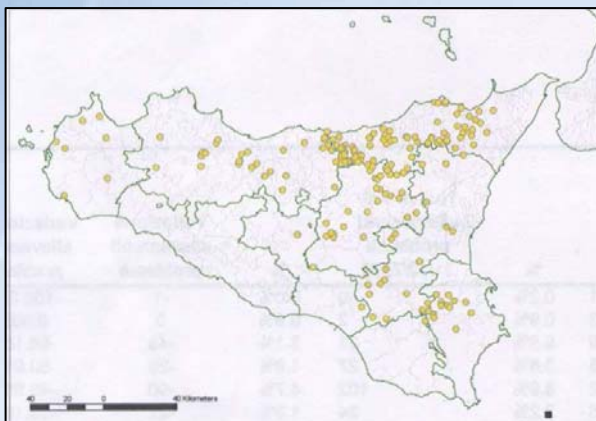
# BOVINE BRUCELLOSIS

## Problematic Herds



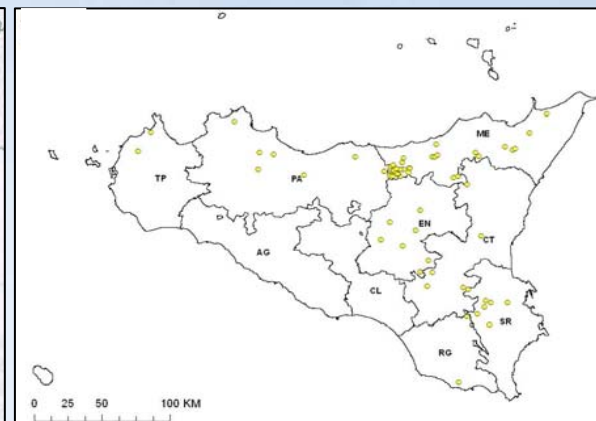
**30th Sept 2009**

**n. 436**



**31st Dec 2009**

**n. 207**



**31st Dec 2010**

**n. 65**

**-229 = -52,52%**

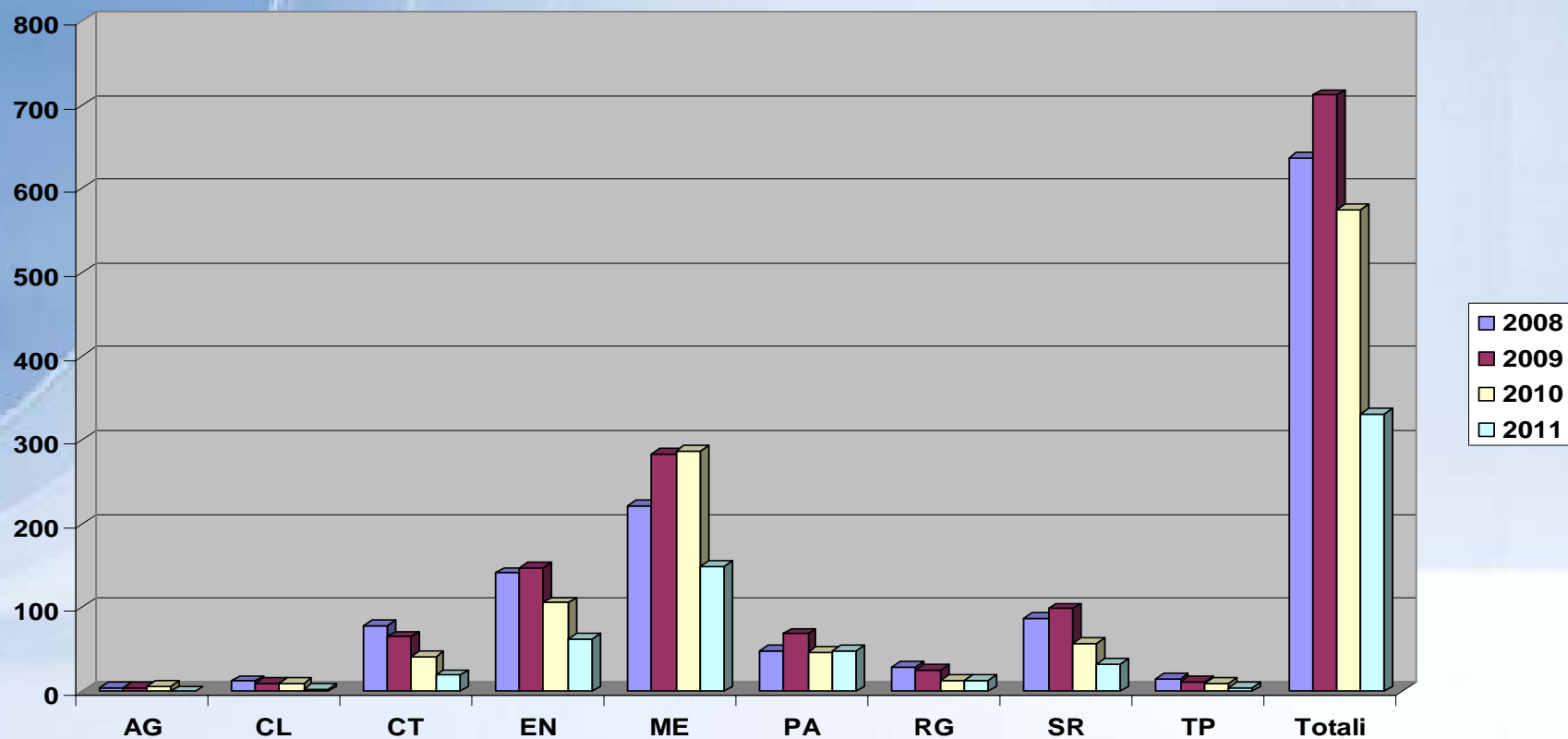
**-142 = -68,59%**

**-371 = -85,1%**



# BOVINE BRUCELLOSIS

Trend in infected herds from 2008 to 2011



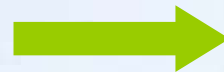


# Brucellosis in Sicily



## CRITICAL POINTS

- a) Problems in animal identification
- b) No monitoring
- c) Inadequate monitoring of animal movements (transhumance)
- d) Cluster of infected herds in specific areas
- e) Follow up



## COUNTER MEASURES

Electronical identification

Implementation of SANAN (systematic monitoring of activities, periodic evaluation of field operations)

Regulation and monitoring of transhumance (Regional guide lines, National data-base (BDN), no exemptions) On line movement certification, with inhibition of infected herds

“Problematic” herds and areas

Intensification controls (reduction of average time)



## Brucellosis in Sicily



On line movement certification, with inhibition of infected herds



# Brucellosis in Sicily

## *Specific Measures*

### Primary:

#### a) Improvement of monitoring:

- *Veterinary Epidemiological Bulletin of Sicily (monthly) (BEV) & quarterly reports (activity indices),*
- *Involvement of General Manager (goals)*

#### b) Regionals controls:

*On the effectiveness of field activities (Health status, Implementation of the information system);*

*On auditing activities run by the Provincial Veterinary Authorities on field activities.*

### Secondary:

*a) Technical training (valutazione collegiale, condivisione, etc..);*

*b) Involvements of farmers*



# Brucellosis

*Main target: Progressive Eradication*

*Goals 2011 - 2012*

Total Total testing: herds and animals (SANAN)

Follow up of infected herds

Reduction of Prevalence and Incidence

Increasing of OBF herds



# Thanks for your attention