



Ministero della Salute



ISTITUTO G. CAPORALE
TERAMO



CRN Brucellosi

Centro di Riferenza Nazionale

Bovine Brucellosis in Italy



BOVINE Brucellosis – Officially-free provinces 2015



Italian Regions	Italian BB-OBF Territories
Valle d'Aosta	whole Region
Piemonte	whole Region
Liguria*	whole Region
Lombardia	whole Region
Emilia-Romagna	whole Region
Trento e Bolzano	whole Region
Veneto	whole Region
Friuli Venezia Giulia	whole Region
Toscana	whole Region
Umbria	whole Region
Marche	whole Region
Lazio	Frosinone, Latina, Rieti, Viterbo
Abruzzo	Pescara
Molise	Campobasso
Puglia	Brindisi
Sardegna	whole Region
TOTAL	74 Provinces

*** 2 new provinces according to Commission Decision 2014/91/EU of 14/02/14**



Year 2011: bovine brucellosis positive herds

Region	Percent positive herds
Puglia	2,38%
Sicilia	2,07%
Calabria	1,65%
Campania	1,49%
Basilicata	1,10%
Molise	0,93%
Abruzzo	0,27%
Lazio	0,11%
Bolzano	0,00%
Emilia Romagna	0,00%
Friuli Venezia Giulia	0,00%
Umbria	0,00%
Liguria	0,00%
Lombardia	0,00%
Marche	0,00%
Piemonte	0,00%
Sardegna	0,00%
Toscana	0,00%
Trento	0,00%
Valle d'Aosta	0,00%
Veneto	0,00%
Italy	0,47%

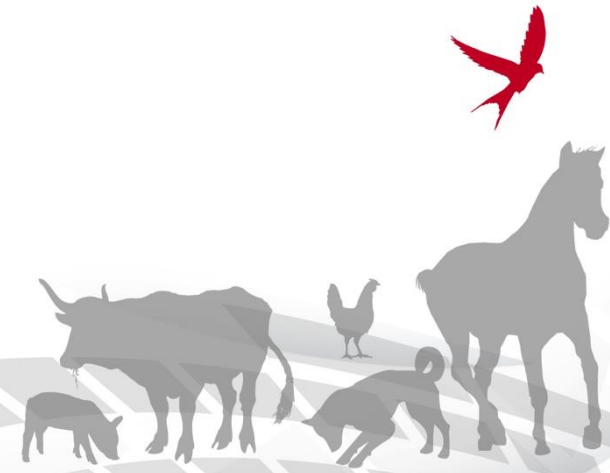


At national level the percentage of prevalence is 0.47%.consider the total number of holdings (108160) respect with the number of outbreaks registered (511)

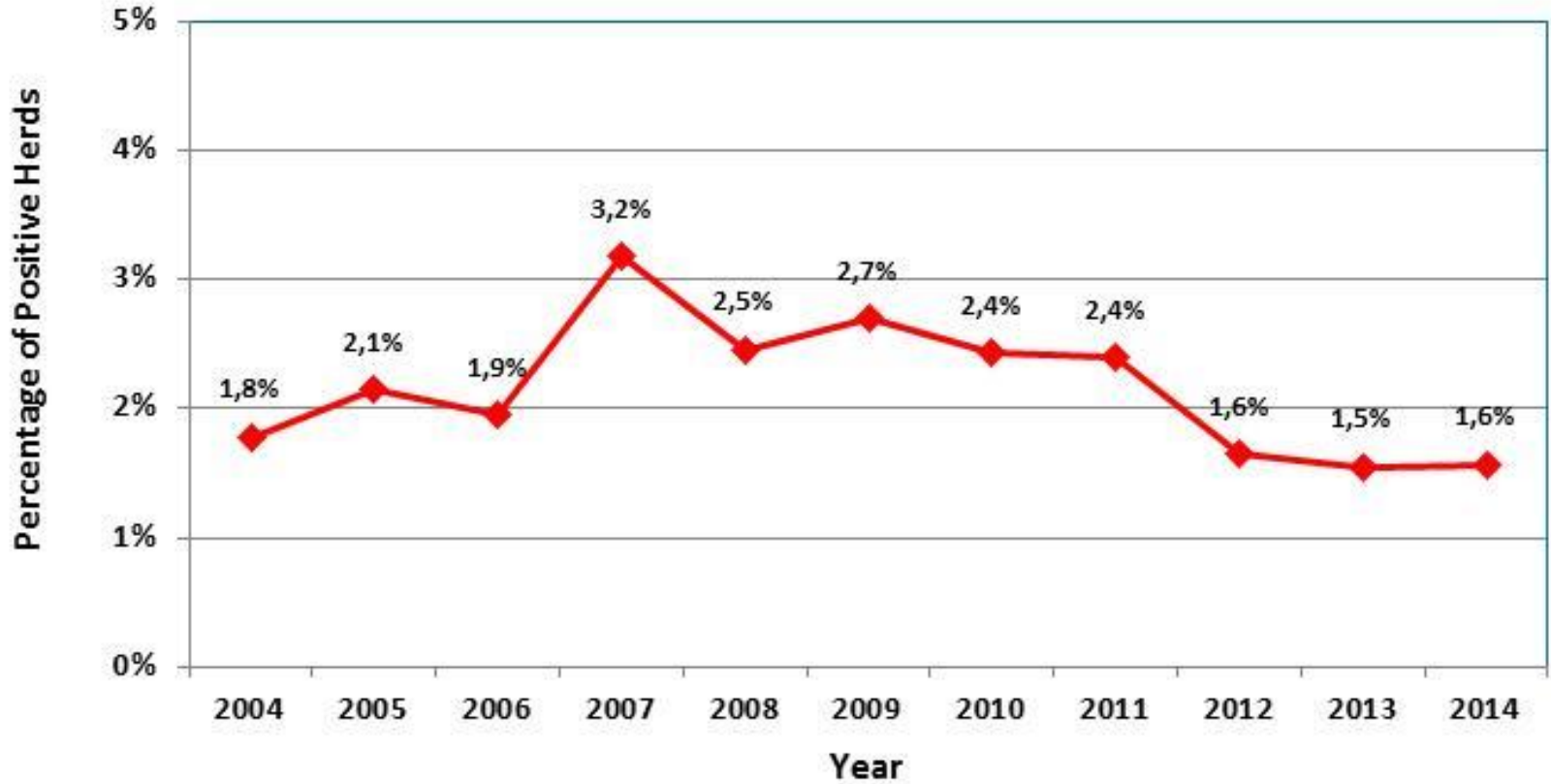


Ministero della Salute

FOCUS ON TERRITORY NOT O.F.

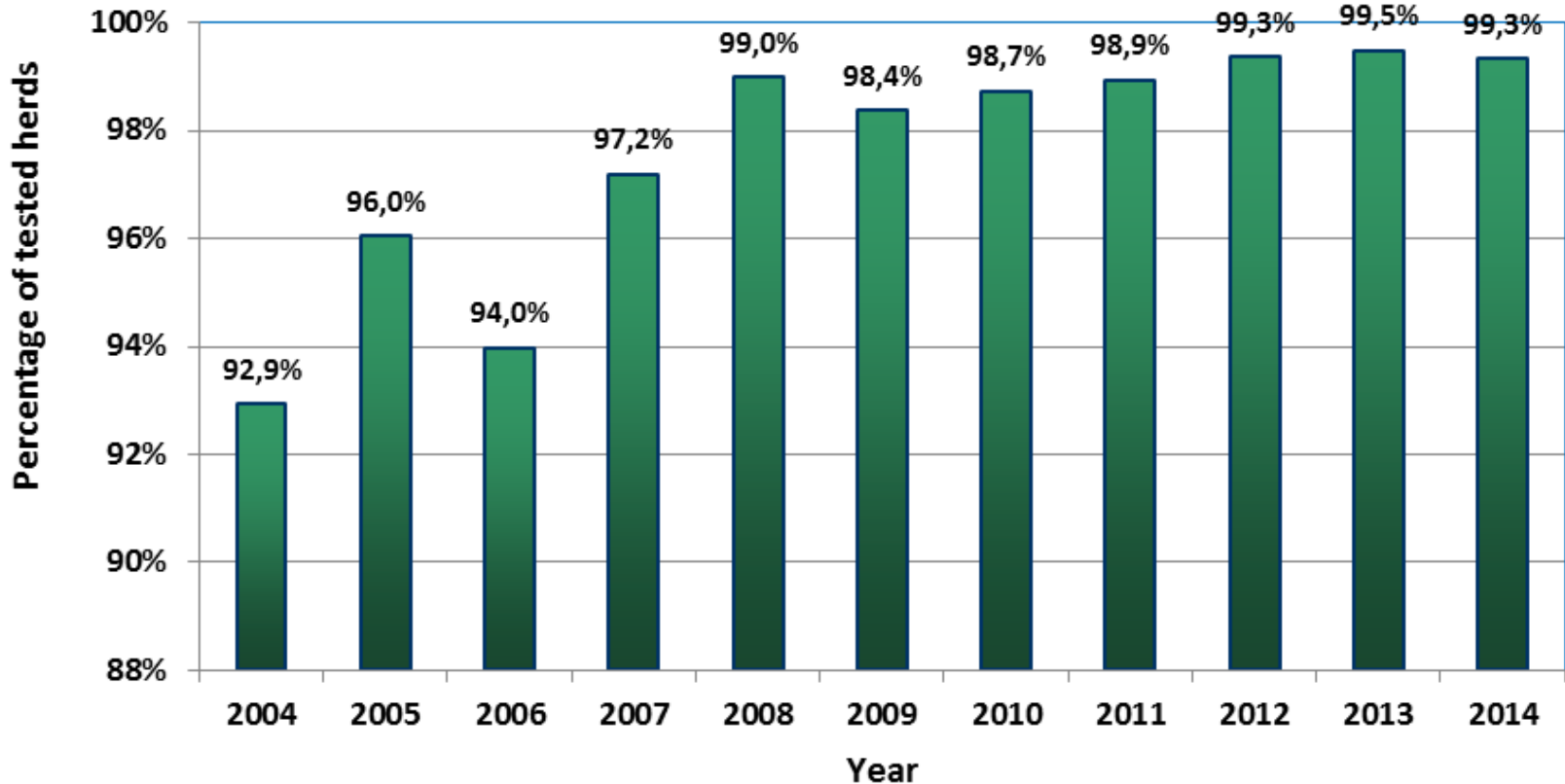


Bovine Brucellosis – Positive Herds in not OBF Provinces



Bovine Brucellosis – Tested Herds

 **CRN Brucellosi**
Centro di Referenza Nazionale



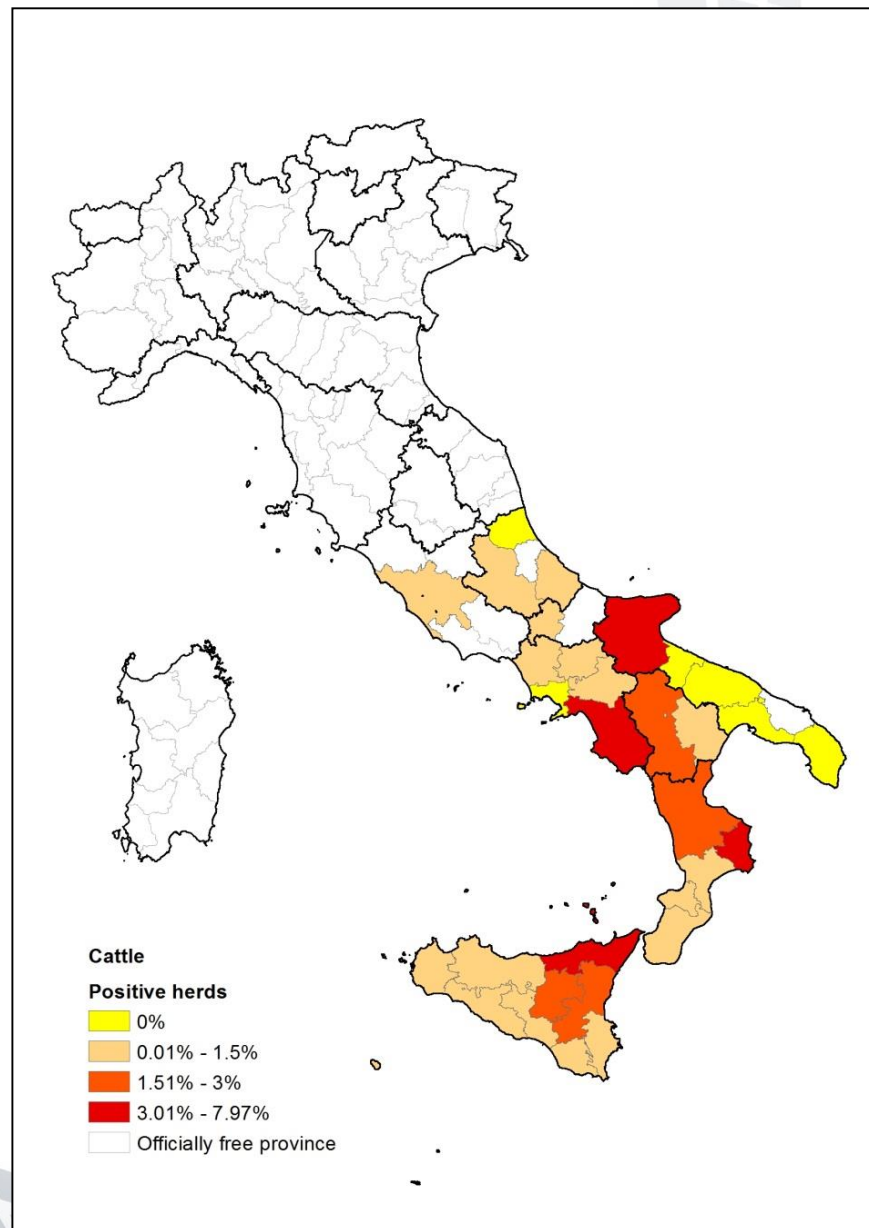


ISTITUTO G. CAPORALE
TERAMO

Bovine brucellosis - % Positive Herds per Region – 2014

 **CRN Brucellosi**
Centro di Referenza Nazionale

Region	% Positive Herds
ABRUZZO	0,27 %
BASILICATA	1,49 %
CALABRIA	1,65 %
CAMPANIA	1,10 %
LAZIO	0,11 %
MOLISE	0,93 %
PUGLIA	2,38 %
SICILIA	2,07 %



Ministero della Salute

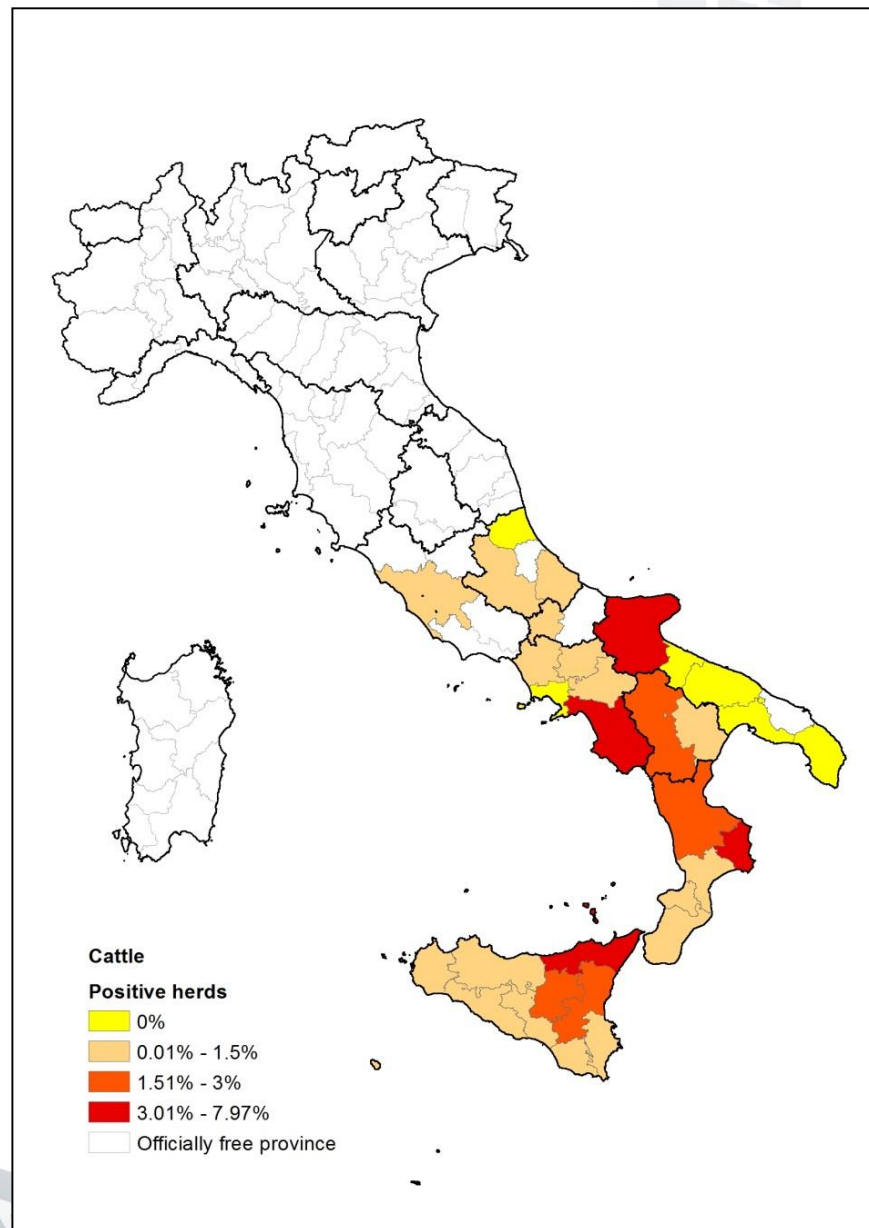


ISTITUTO G. CAPORALE
TERAMO

Bovine brucellosis - % Positive Herds per Region – 2014

 **CRN Brucellosi**
Centro di Referenza Nazionale

Region	% Positive Herds
CALABRIA	1,65 %
ASP CROTONE	4,64 %
ASP COSENZA	2,70 %
CAMPANIA	1,10 %
A.S.L. 2 SALERNO	1,63 %
A.S.L. 3 SALERNO	3,92 %
BUFFALO	
A.S.L. CASERTA	5,15 %
PUGLIA	2,38 %
ASL FG	7,97 %
SICILIA	2,07 %
A.S.P. DI MESSINA	5,69 %



Ministero della Salute



 **CRN Brucellosi**
Centro di Riferenza Nazionale

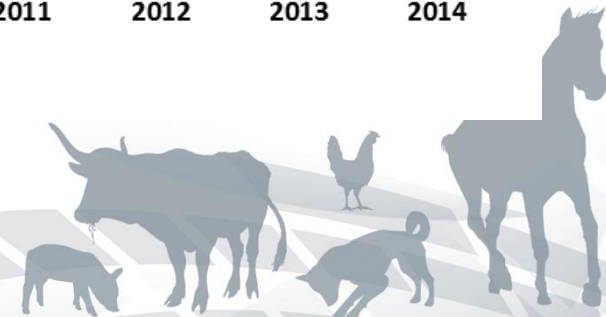
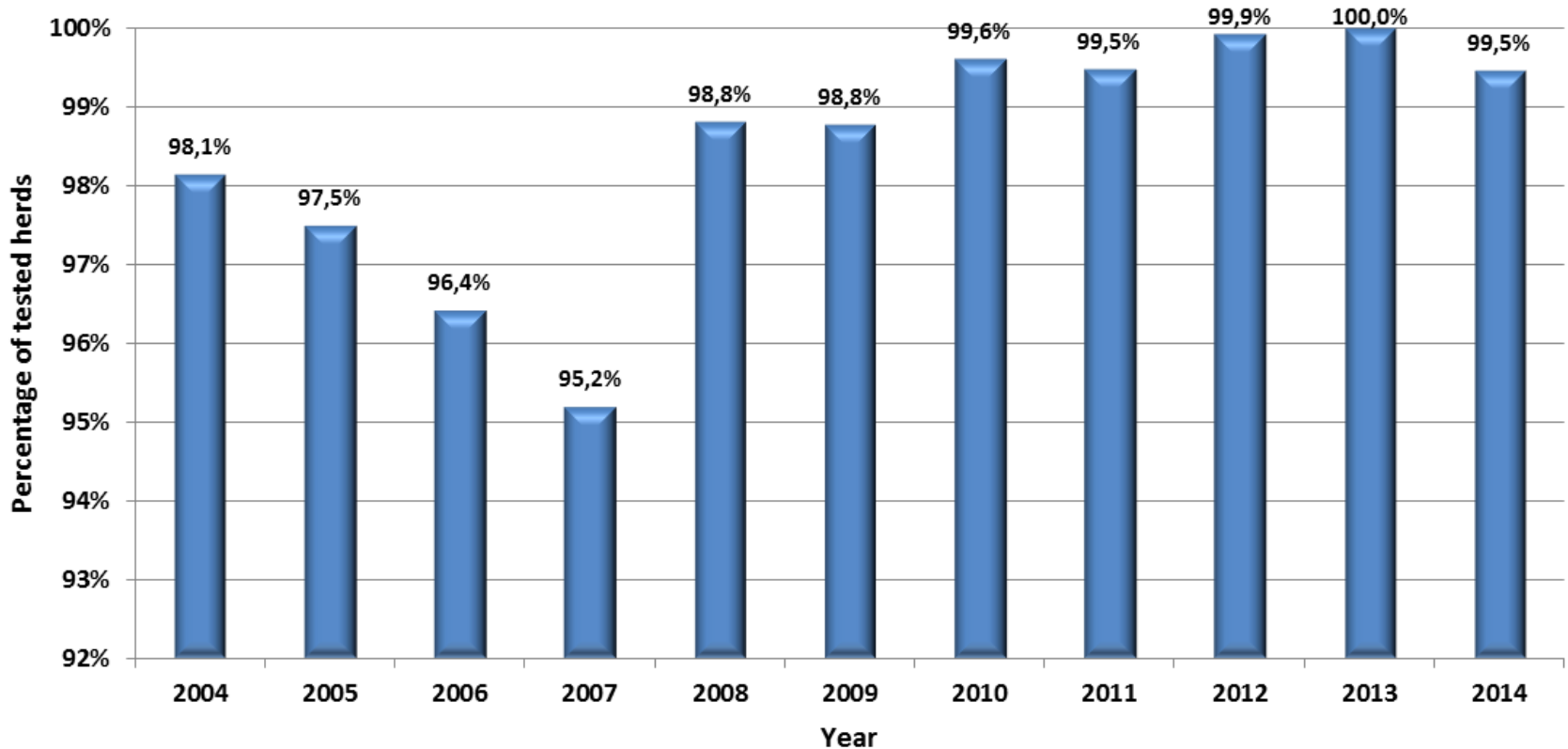


Ministero della Salute

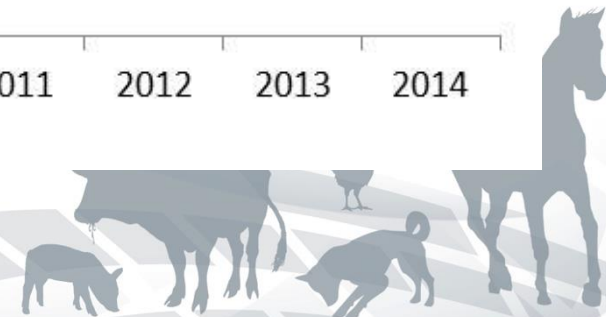
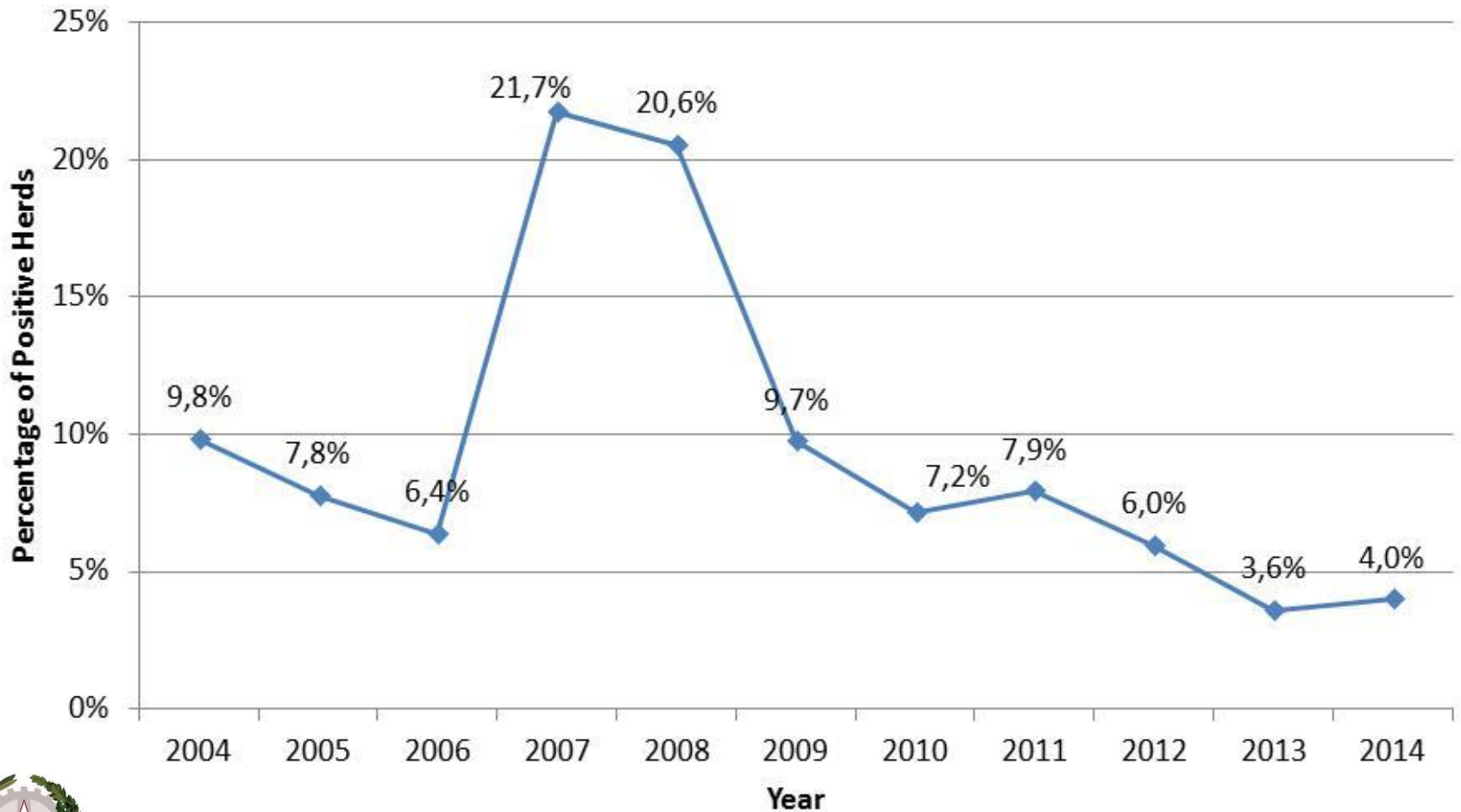
FOCUS ON CAMPANIA BUFFALO



Buffalo Brucellosis – Tested Herds



Buffalo Brucellosis – Positive Herds





ISTITUTO G. CAPORALE
TERAMO



Ministero della Salute



CRN Brucellosi

Centro di Riferenza Nazionale

Sheep and Goats Brucellosis in Italy



S&G Brucellosis – Officially-free provinces 2014



Ovi-caprini
■ Province U.I.

Italian Regions	Italian S&GB-OBF Territories
Valle d'Aosta	whole Region
Piemonte	whole Region
Liguria*	whole Region
Lombardia	whole Region
Emilia-Romagna	whole Region
Trento e Bolzano	whole Region
Veneto	whole Region
Friuli Venezia Giulia	whole Region
Toscana	whole Region
Umbria	whole Region
Marche	whole Region
Lazio*	whole Region
Abruzzo	Pescara
Molise	whole Region
Sardegna	whole Region
TOTAL	75 Provinces

* 4 new provinces (3 Liguria, 1 Lazio) according to Commission Decision 2014/91/EU of 14/02/14.
 Furthermore the Province of Brindisi has provided for the request of the status O.F. at the commission.



ISTITUTO G. GALVANI
TERAMO

Year 2011: bovine brucellosis positive herds

CBN Brucellosi

Region	Percent positive herds
Sicilia	3,40%
Calabria	1,08%
Campania	0,49%
Puglia	0,45%
Abruzzo	0,11%
Basilicata	0,09%
Molise	0,00%
Lazio	0,00%
Bolzano	0,00%
Emilia Romagna	0,00%
Friuli Venezia Giulia	0,00%
Umbria	0,00%
Liguria	0,00%
Lombardia	0,00%
Marche	0,00%
Piemonte	0,00%
Sardegna	0,00%
Toscana	0,00%
Trento	0,00%
Valle d'Aosta	0,00%
Veneto	0,00%
Italy	0,39%



Bovini
Province U.I.

At national level the percentage of prevalence is 0.39%.considered the total number of holdings (114573) present respect with the number of outbreaks registered (451)



 **CRN Brucellosi**
Centro di Referenza Nazionale

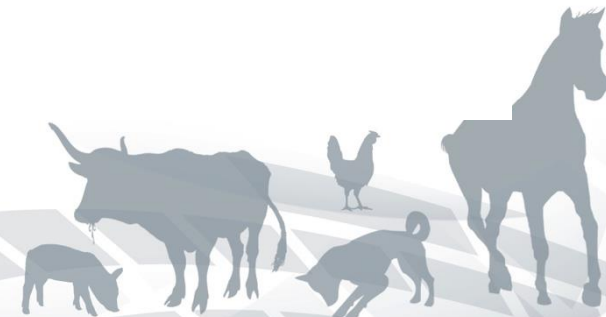
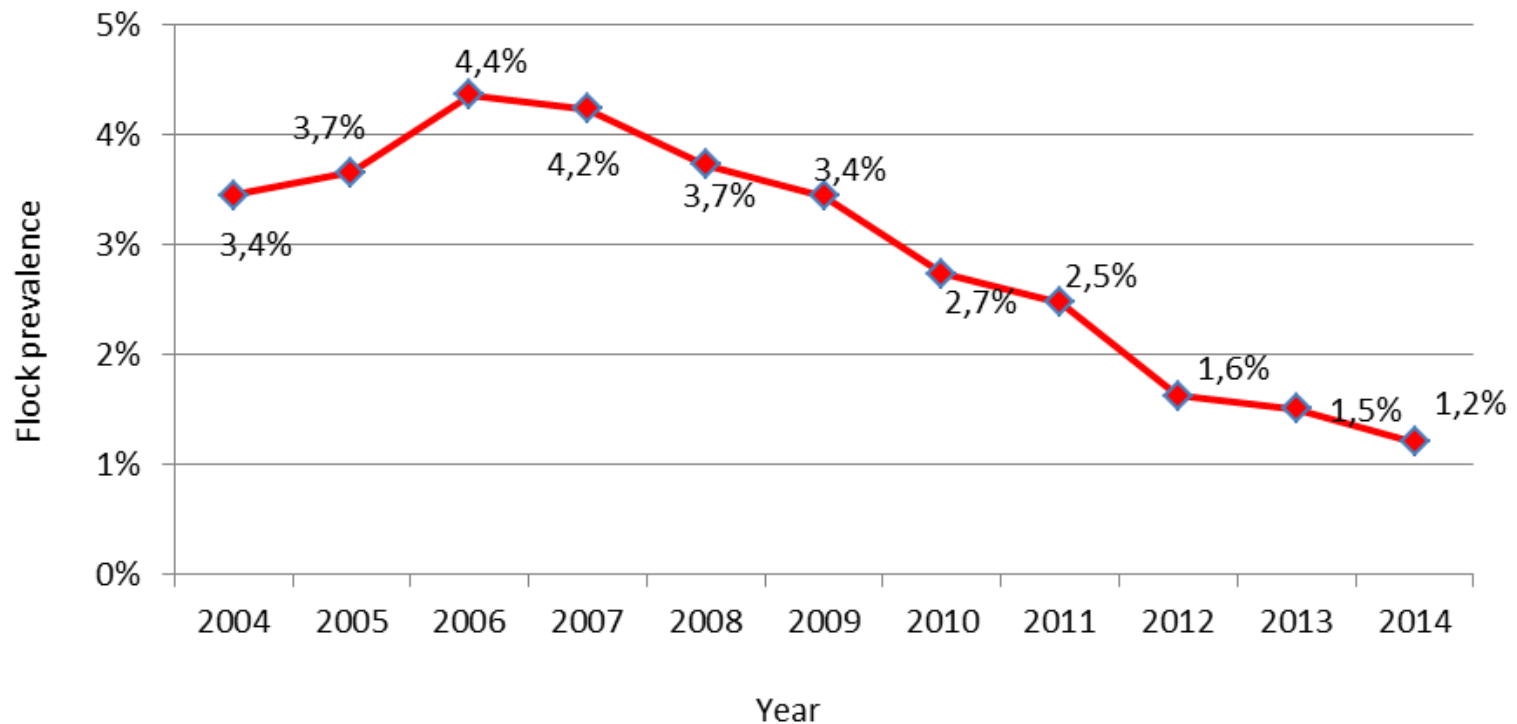


Ministero della Salute

FOCUS ON TERRITORY NOT O.F.

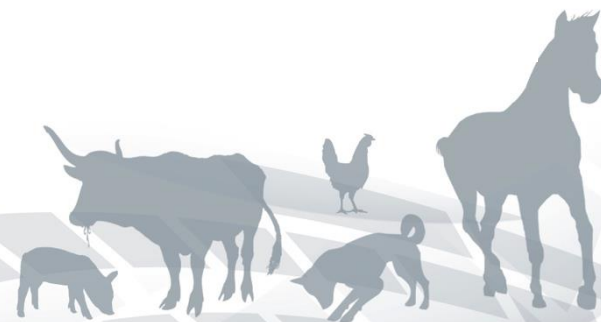
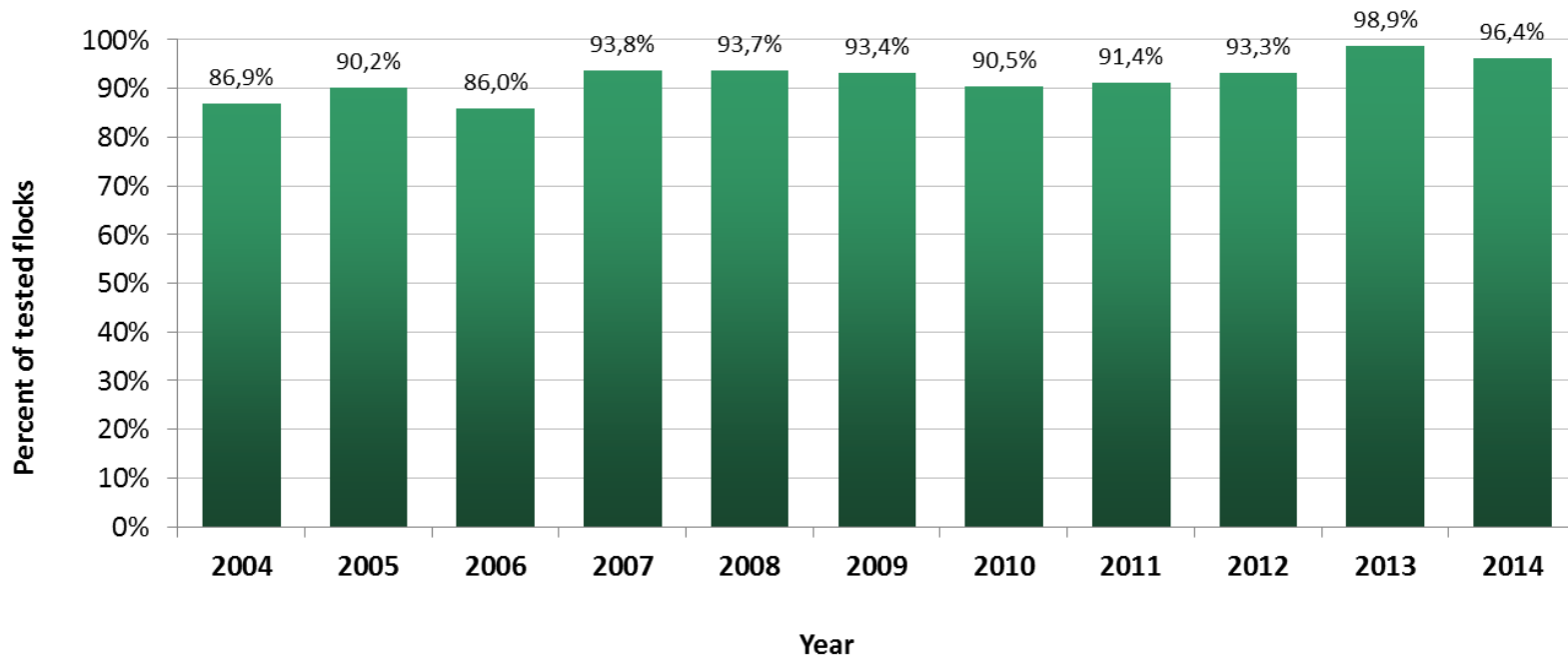


Sheep & Goats Brucellosis – Positive Flocks in not OBF Provinces



Sheep & Goats Brucellosis – Tested Flocks

 **CRN Brucellosi**
Centro di Riferenza Nazionale



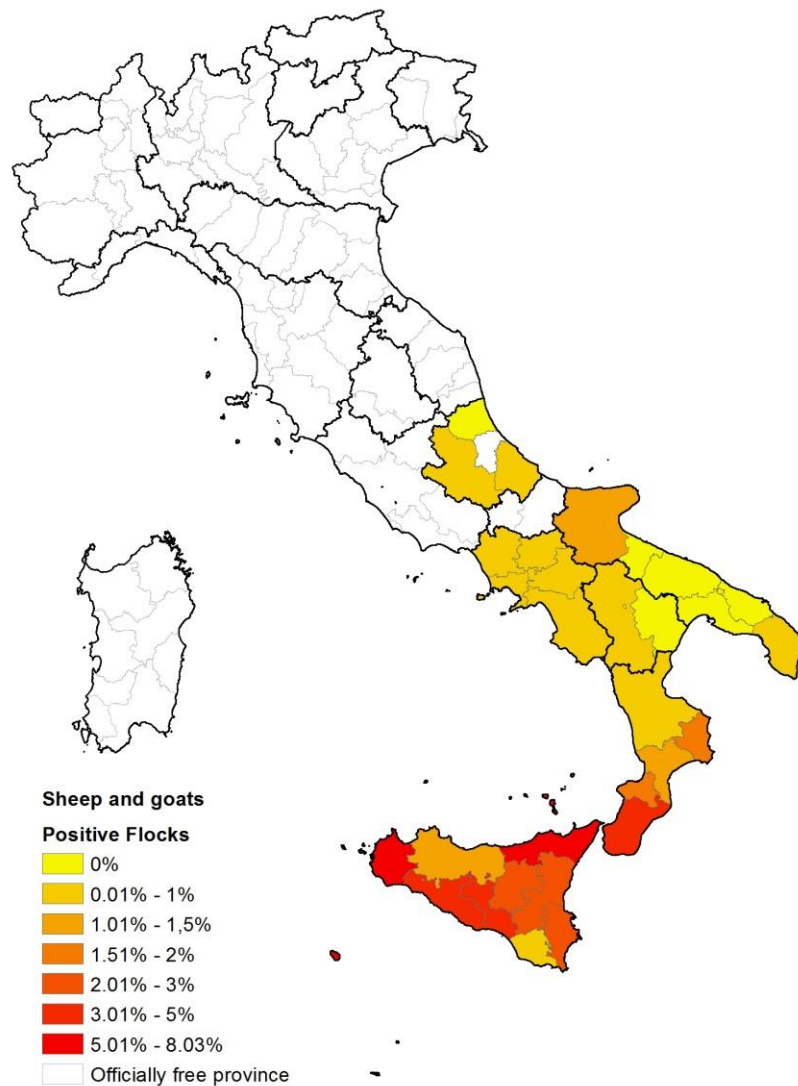


ISTITUTO G. CAPORALE
TERAMO

S&G brucellosis - % Positive Flocks per Region – 2014

 **CRN Brucellosi**
Centro di Referenza Nazionale

• Region	% Positive Herds
• ABRUZZO	0,11 %
• BASILICATA	0,09 %
• CALABRIA	1,08 %
• CAMPANIA	0,49 %
• PUGLIA	0,45 %
• SICILIA	3,40 %



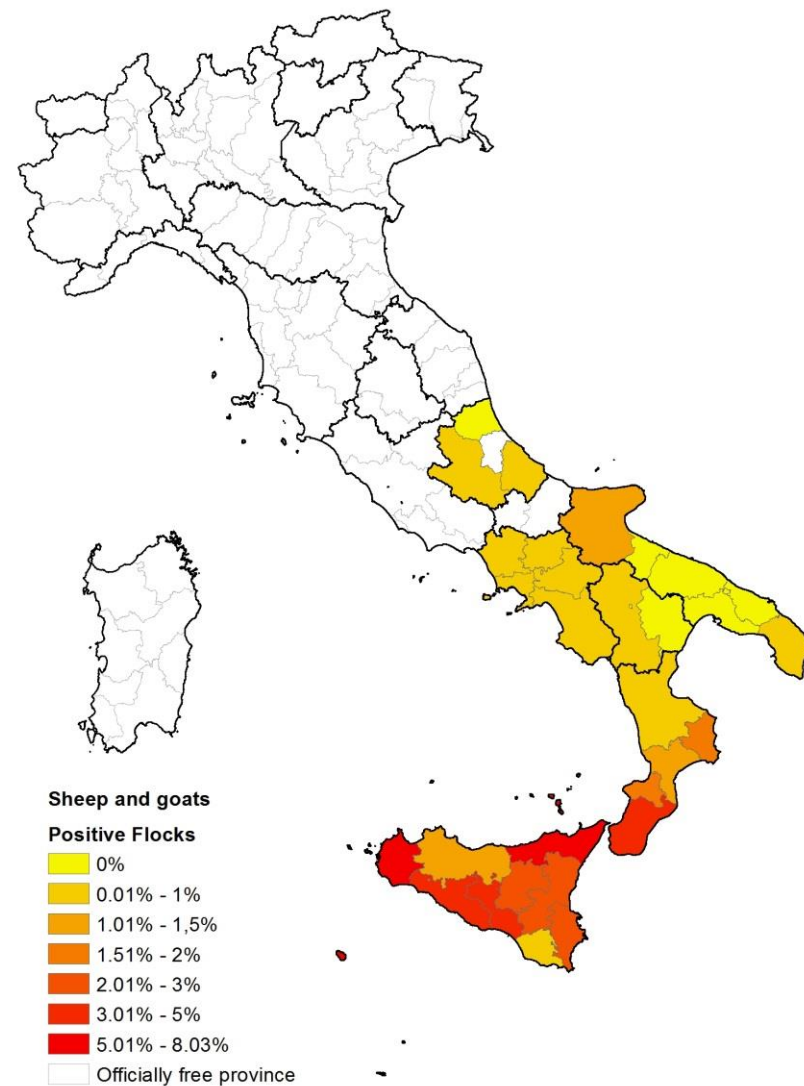


ISTITUTO G. CAPORALE
TERAMO

Bovine brucellosis - % Positive Herds per Region – 2014

 **CRN Brucellosi**
Centro di Referenza Nazionale

Region Herds	% Positive
CALABRIA	1,08 %
ASP R. CALABRIA	3,19%
ASP V.VALENTIA	1,53%
SICILIA	3,40 %
A.S.P. DI MESSINA	6,59%
ASP TRAPANI	8,03%





ISTITUTO G. CAPORALE
TERAMO



Ministero della Salute



CRN Brucellosi


Centro di Riferenza Nazionale

CONCLUSIONS



CONSIDERATIONS

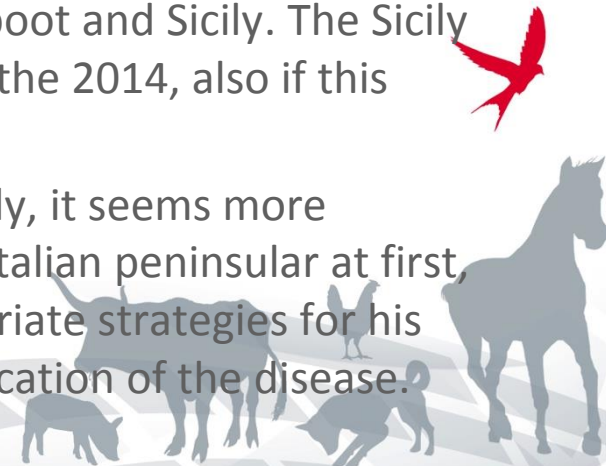
BOVINE



The region with the highest prevalence appears to be the Puglia (2.38%) that exceeded Sicily, (which with 2.07% marked an improvement over the previous year). The Puglia contains one of the four "hot spots" that maintain high the prevalence in Italy: the promontory of **Gargano**. The other zones are: the Province of **Crotone** in Calabria, the Province of **Salerno** in Campania and the **Nebrodi** mountains in Sicily (Messina Province). In these areas, where it is practiced the livestock grazing breeding (except in Salerno), specific intervention measures, at national level (new Ministerial Order), and at Regional Level (to be developed with the cooperation of the Regions), are required to eradicate the infection.

OVI-CAPRINE

- The area most affected by the infection is the tip of the boot and Sicily. The Sicily has registered the highest prevalence in Italy (3,40%), in the 2014, also if this data is decreasing respect to the 2013 (4,70%).
- Given the high prevalence and incidence recorded in Sicily, it seems more feasible to aim at the eradication of the infection in the Italian peninsular at first, and elaborate with the Sicilian regional authority appropriate strategies for his territories to permit to reach also in this region the eradication of the disease.

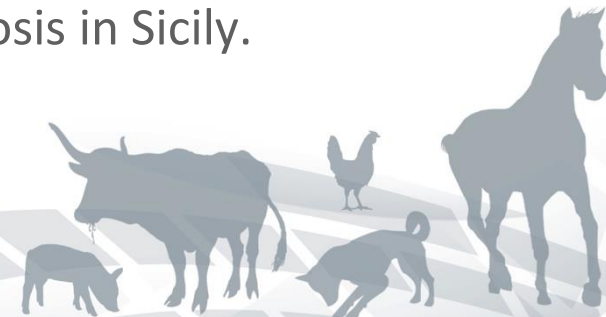




Actions at a National level (Ministry of Health)



- Within these strategies and considered the effectiveness of the ministerial order 9 August 2012 laying down special measures for brucellosis of the ovi-caprine in the Regions Calabria, Campania, Apulia and Sicily, which provided for further control measures for the diseases listed above, expired in August 2014, the Ministry of Health started the process of drafting and approval of a new Ministerial Order.
- It contains measures that affect all territories still not officially free and that originate from:
- the experience of the application of the last M.O. during these years; from the recommendations arising during the FVO audit on brucellosis performed in Italy in October 2013 (Calabria and Puglia)
- and from the visit of the EU task force of brucellosis in Sicily.



The new Ordinance includes the following actions:

- 1) responsibility of the procedure of eradication;
- 2) animal identification;
- 3) suspension of qualifications;
- 4) control on infected holdings (2 days for notification, 15 days for slaughtering, stamping-out, epidemiological investigations, notification in SIMAN and ADNS, use of SANAN);
- 5) controls on dealers (monthly controls, controls in case of positivity, sanctions);
- 6) control on fattening holdings (canalization);
- 7) payment of compensations within 90 days;
- 8) controls on registration of pastures and on animal movimentation (special misure for animal without control at pasture);
- 9) controls on irregularity and fraud;
- **FURTHERMORE**
- reduction of the compensation for sheep and goats over 6 y.o.





Thank you for your attention