

Implementation of  
**Bovine and Small Ruminant's**  
Brucellosis Eradication Programmes  
in Portugal  
2016

PAFF Standing Committee  
Brussels, 8 June 2017

# Bovine

## Brucellosis Eradication Programme

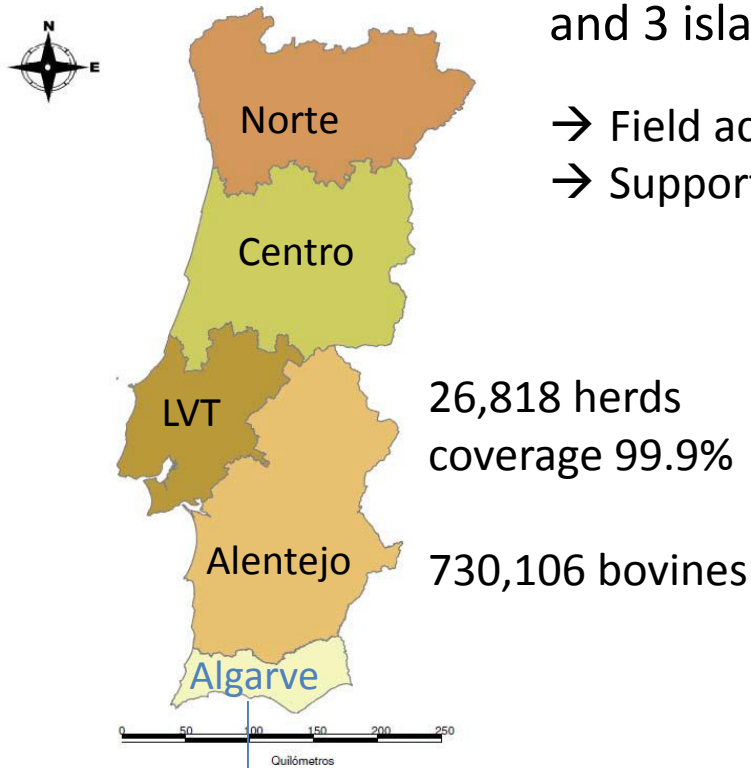
### 2016



# Bovine brucellosis eradication programme

Implemented in 4 regions of the Continent  
and 3 islands of the Azores

- Field actions by private vets of farmers associations
- Support of public and private laboratories



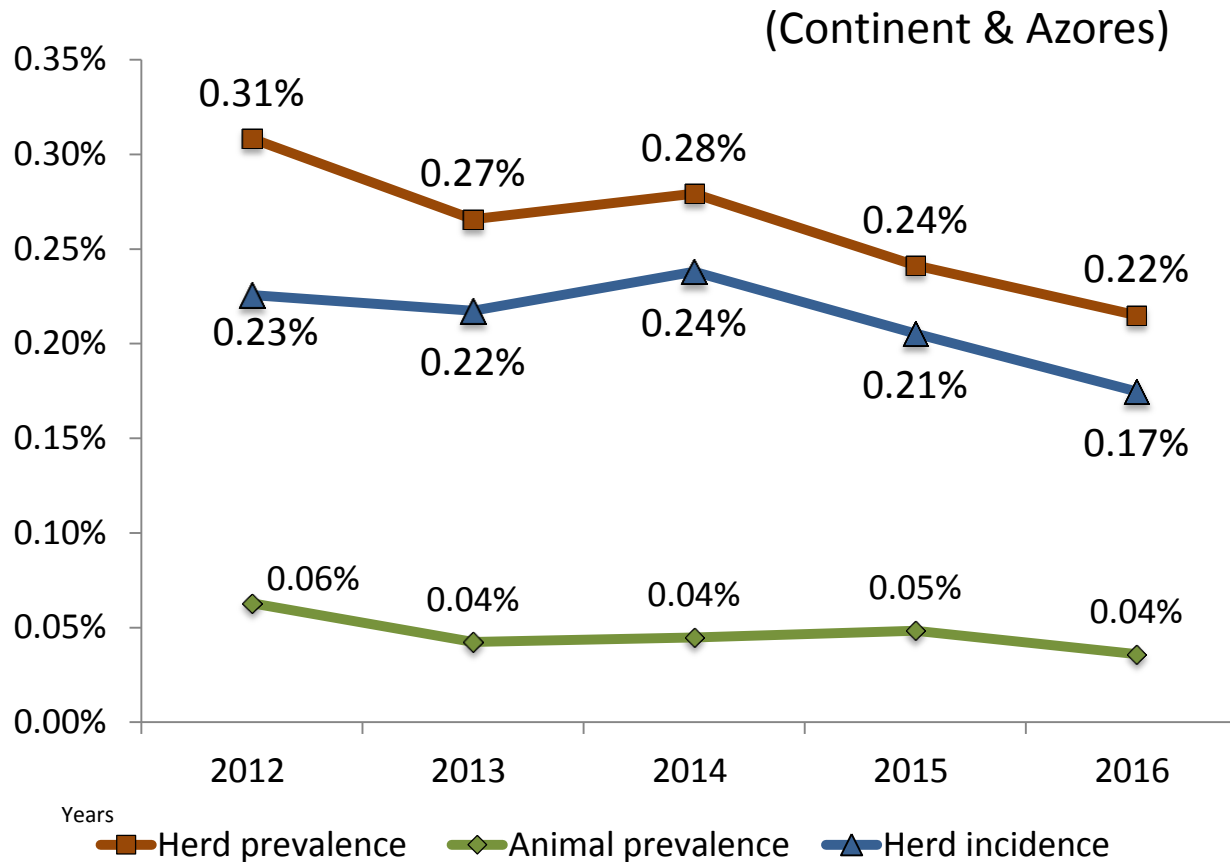
Algarve officially free since 2012  
(Com. Decision 2012/204/EU)  
→ Surveillance programme



Other islands officially free since 2002 and 2009

# Bovine brucellosis eradication programme

Results 2016



Variation from  
2014 to 2016

*Herd prevalence*  
**21,4% decrease**

*Herd incidence*  
**29,2% decrease**

Targets 2018\*  
Prev 0.17  
Incid 0.14

# Bovine brucellosis eradication programme

Results 2016

Regions	Number of positive herds	Number of new positive herds	% positive herds	% new positive herds
Norte	28	19	0.18	0.12
Centro	2	2	0.03	0.03
LVT	2	2	0.19	0.19
Alentejo	25	22	0.58	0.51
Açores	7	7	0.24	0.24
<b>TOTAL</b>	<b>64</b>	<b>52</b>	<b>0.22</b>	<b>0.17</b>

At 31<sup>st</sup> December 2016

- **12 herds with infected status in 2 regions**

100% of positive animals were slaughtered – 309 bovines

67 bovines tested for bacteriology – **15 with *B. abortus*** (22.4%)

49 abortions tested – all negative

- **Continent:** *B. abortus* isolation in 12 herds (38.7%) out of 31 herds investigated
- **A.R. Azores:** 7 herds investigated – all negative to bacteriology

# Bovine brucellosis eradication programme

Results 2016

**Herds with  
infected status  
31 December 2016**



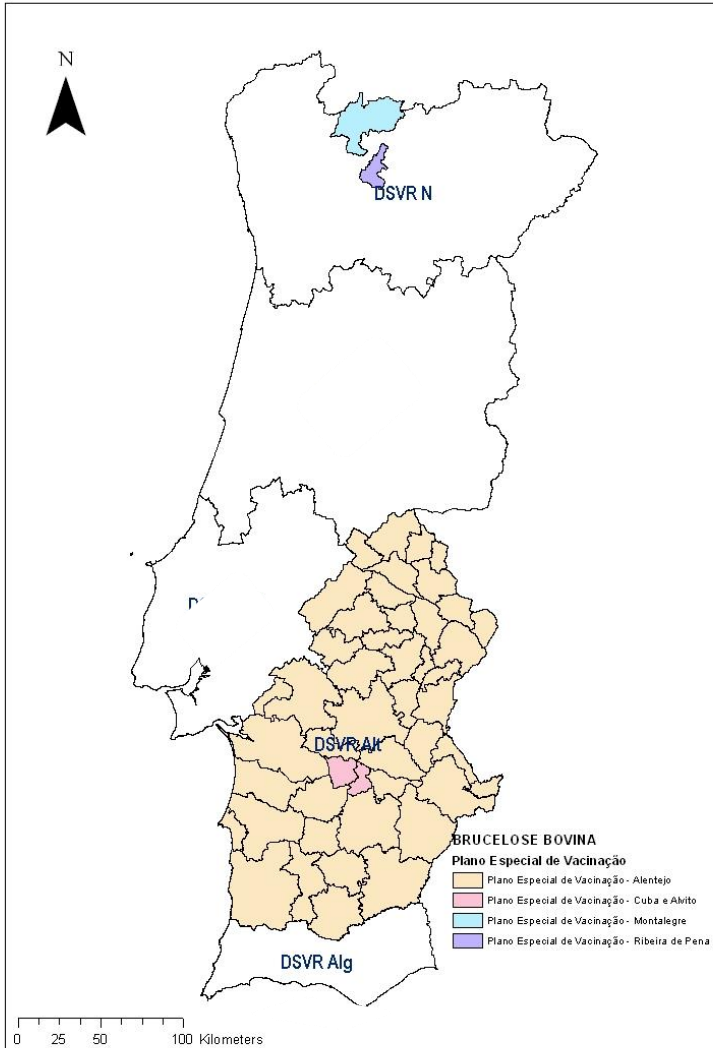
Explorações B2.1  
RT 2015



Explorações B2.1  
RT 2016 prov



# Bovine brucellosis eradication programme



## RB51 Vaccination Programmes

### Mainland:

- Norte Region
  - Montalegre and Vieira do Minho
  - Ribeira de Pena
- Alentejo Region

### Azores:

- São Miguel



# Bovine brucellosis eradication programme

Results 2016

## RB51 Vaccination programme

Bovine Brucellosis	TOTAL	Norte	Alentejo	Açores
N.º vaccinated herds	<b>1,627</b>	400	11	1,216
N.º vaccinated animals	<b>19,668</b>	854	1,107	17,707

Vaccination programme was applied according to the plan.



# Ovine and Caprine Brucellosis Eradication Programme 2016



# Ovine and caprine brucellosis eradication programme



Implemented in 5 regions of Continent

56,720 flocks tested

coverage 97.0%

1,636,993 sheep and goats

## RB51 Vaccination Programmes

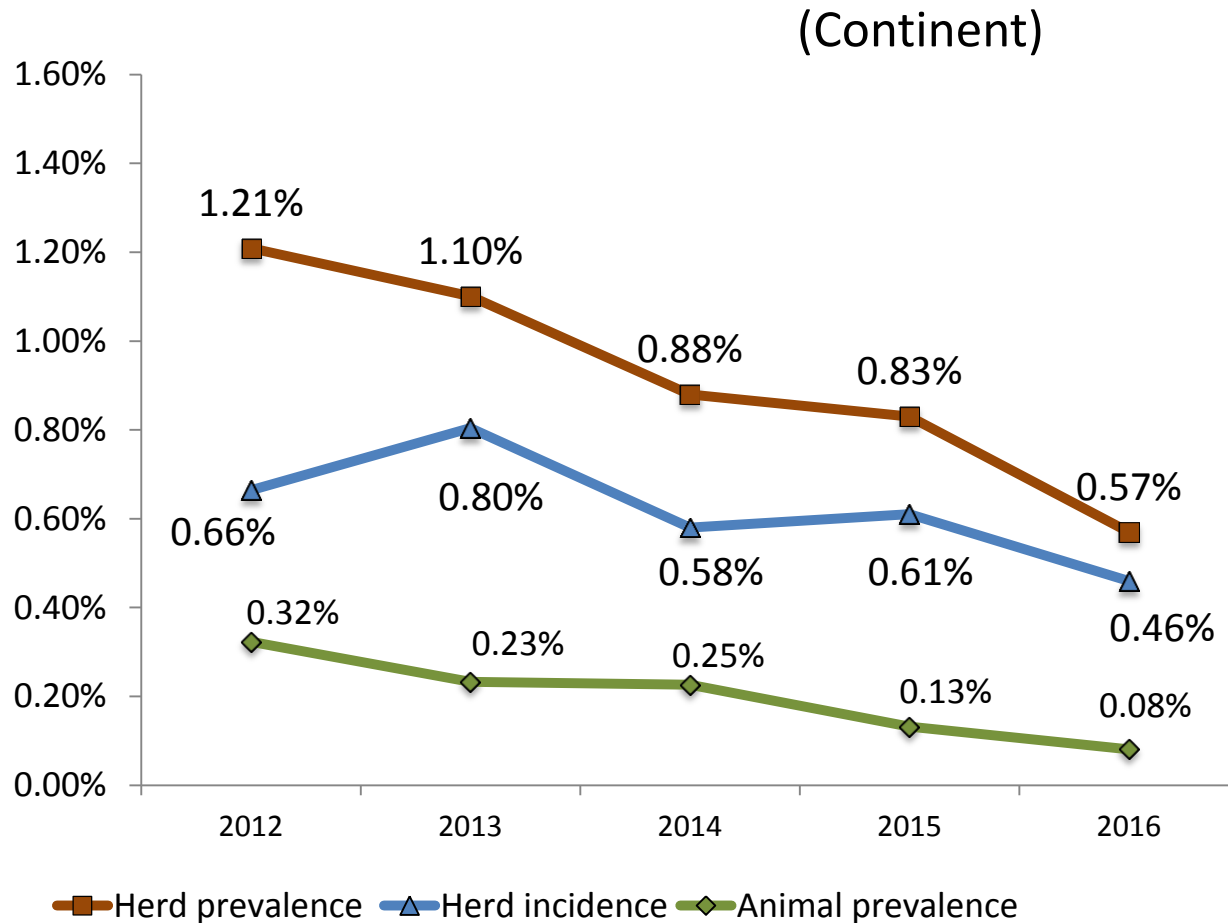
- Norte Region (Trás-os-Montes)
- LVT Region (Palmela and Setubal)
- Algarve Region

**The Autonomous Region of Azores is  
officially free of *Brucella melitensis***

Commission Decision 2003/644/CE, 17th January

# SR brucellosis eradication programme

Results 2016



Variation from  
2014 to 2016

*Flock prevalence*  
**35,2% decrease**

*Flock incidence*  
**20,7% decrease**

Targets 2018\*  
Prev 0.58  
Incid 0.43

# SR brucellosis eradication programme

Results 2016

Regions	Number of positive flocks	Number of new positive flocks	% positive flocks	% new positive flocks
Norte	220	168	1.43	1.09
Centro	38	37	0.15	0.14
LVT	29	21	0.46	0.33
Alentejo	29	29	0.37	0.37
Algarve	9	7	0.80	0.62
<b>TOTAL</b>	<b>325</b>	<b>262</b>	<b>0.57</b>	<b>0.46</b>

At 31<sup>st</sup> December  
2016

- **50 flocks** with  
infected status  
in **3 regions**

93% of positive animals were slaughtered – 1,231 sheep and goats  
586 small ruminants tested for bacteriology – **184 with *B. melitensis*** (31.4%)  
23 abortions investigated – all negative

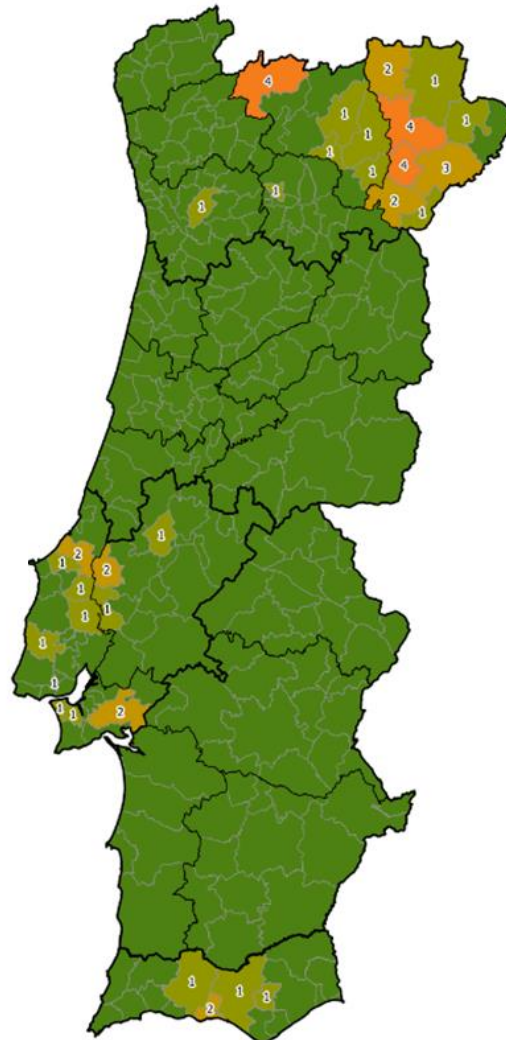
- *B. melitensis* isolation in **49 flocks** (20%) out of 244 flocks investigated

# SR brucellosis eradication programme

Results 2016

Explorações B2.1  
RT 2016 prov

**Flocks with  
infected status  
31 December 2016**



# SR brucellosis eradication programme

Results 2016

## Rev1 Vaccination programme

SR Brucellosis	TOTAL	Norte	Centre	Other
N.º vaccinated flocks	<b>3.016</b>	272	60	51
N.º vaccinated animals	<b>37.920</b>	5.044	697	625

Vaccination programme was applied according to the plan.

# Brucellosis eradication programmes

## Improvements

### **Regions with favourable indicators of evolution of the disease**

- Thorough epidemiological investigation of herds/flocks with positive results
- Additional measures for management of False Positive Serological Reactions
- Increase coverage of programme

### **Regions with more than 0.5% prevalence**

- Epidemiological investigation of outbreaks and trace back and forward
- Reinforcement of vaccination
- Increase coverage of programme
- Animal movement control

# Thank You for your attention

