

Implementation of **Bovine and Small Ruminants** Eradication Programmes in Portugal 2018

PAFF Standing Committee
Brussels, 12-13 June 2019

Bovine

Brucellosis Eradication Programme-Portugal

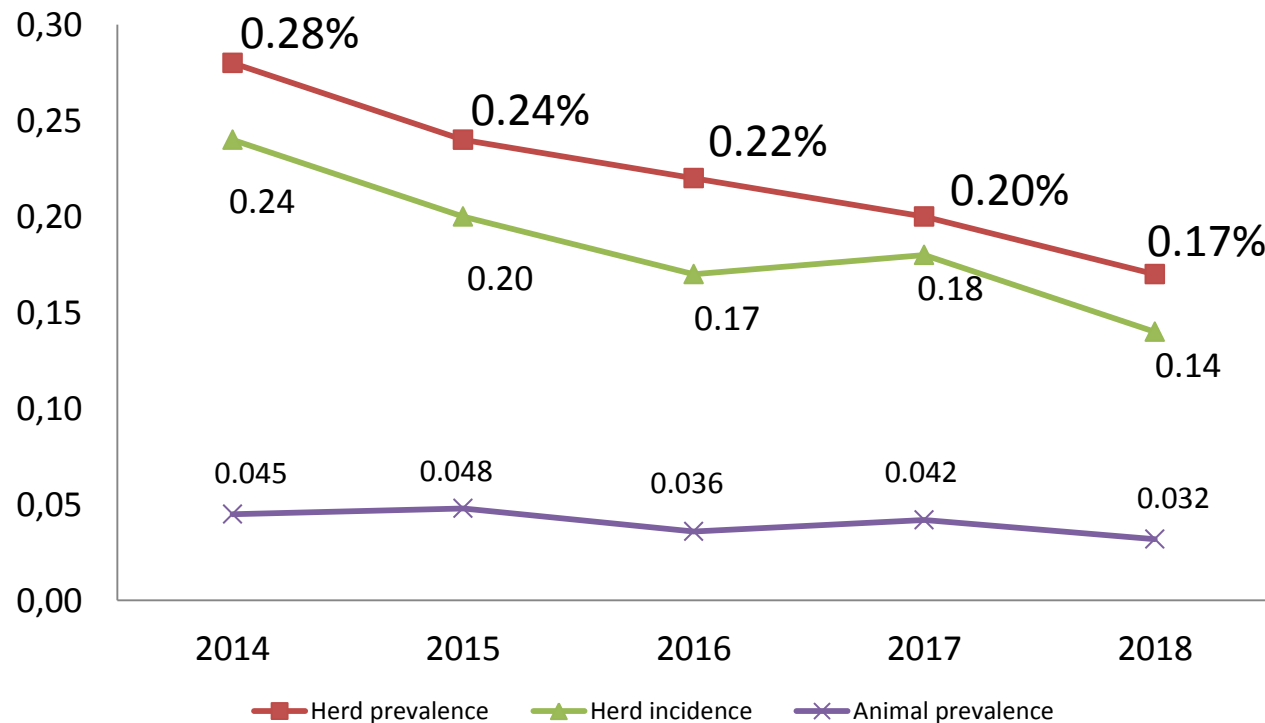


Bovine brucellosis eradication programme

Implemented in 4 regions of the Continent and in the Azores AR (3 islands)

Evolution in the past years

% positive



2018
49 positive herds

15% decrease in
herd prevalence in
relation to 2017

Positive herd: those with at least 1 serologically positive animal (RB+ and CF>20 IU/mL)

Bovine brucellosis eradication programme

Results 2018 (herds)

DSAVR	To be checked	% Tested	with 1 positive animal	New positives	% with 1 positive animal (prev.)	% new positive (incidence)	Bacteriology positive	Non indemne 31/12/2018	Suspended 31/12/2018
Norte	15.903	97.14	27	24	0.17	0.16	13	15	41
Centro	5861	95.67	0	0	0.00	0.00	0	0	20
LVT	1437	98.05	1	1	0.07	0.07	0	0	33
Alentejo	4564	97.90	17	12	0.38	0.27	2	6	19
Azores AR (3 islands)	3440	78.46	4	4	0.15	0.15	0	0	5
PT	31.205	94.96	49	41	0.17	0.14	15	21	118

DSAVR	Vaccinated herds	Vaccinated animals
Norte	596	1.372
Alentejo	6	399
Açores	1.056	16.758
PT	1.658	18.529

In the programme – 34.746 herds
Non indemne or suspended
0.45%

RB51 Vaccination

Bovine brucellosis eradication programme

Results 2018

**Herds with confirmed
infected status 31 December 2018**

15 herds with positive bacteriology

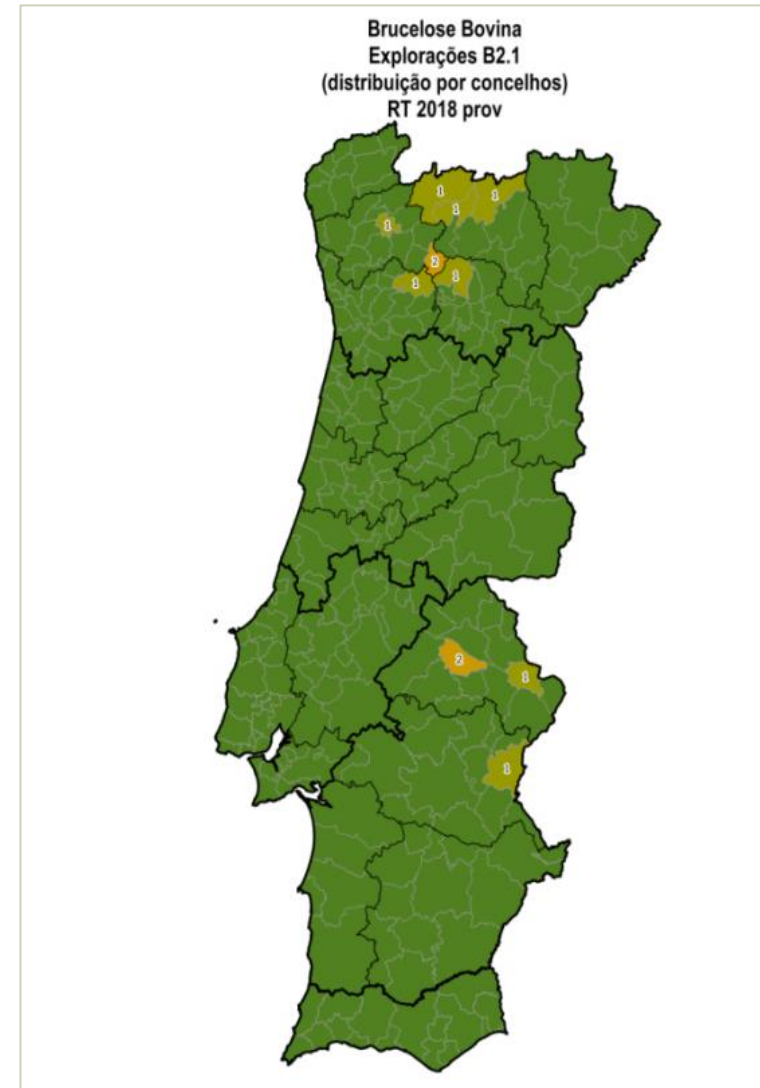
Norte – 13

Alentejo – 2

Infected herds



explorações B2.1



Algarve is OF Bovine brucellosis

Bovine brucellosis eradication programme

Challenges and targets

- Control of contacts between herds in certain areas
- Early detection
- Main measures are:
 - Reinforcement of **epidemiological investigation**
 - Investigation of abortions
 - Involvement of farmers and the rural community



Variation from 2014 to 2018	<i>0.28% → 0.17%</i> <i>Herd prevalence</i> 39% decrease	<i>0.24% → 0.14%</i> <i>Herd incidence</i> 42% decrease	Targets 2018* ✓ Prev 0.17% Incid 0.14%
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Foreseen targets → **2019: 0.15%** **2020: 0.12%** **2021: 0.08%** **2022: 0.04%** **2023: 0.0%**
herd prevalence

Ovine and Caprine

Brucellosis Eradication Programme

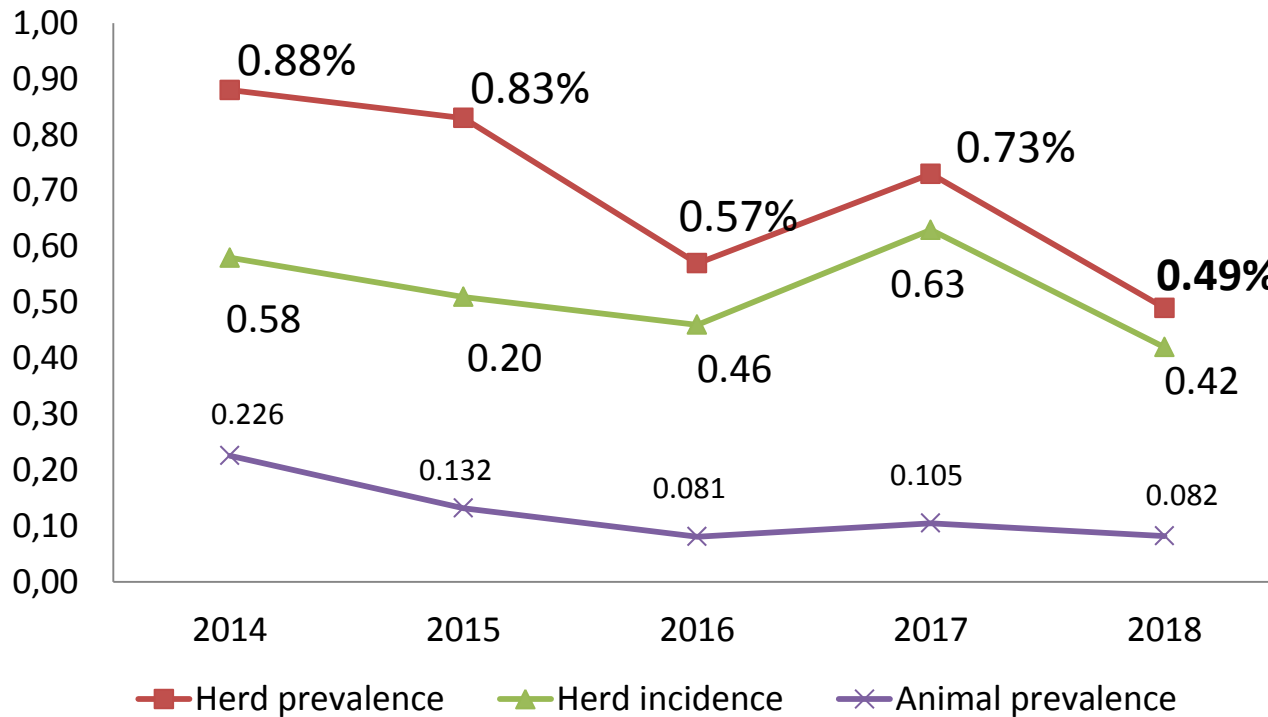


SR brucellosis eradication programme

Implemented in 5 regions of the Continent

Evolution in the past years

% positive



2018
260 positive herds

33% decrease in
herd prevalence in
relation to 2017

Positive herd: those with at least 1 serologically positive animal (RB+ and CF>20 IU/mL)

SR brucellosis eradication programme

Results 2018 (flocks)

DSAVR	To be checked	% Tested	with 1 positive animal	New positives	% with 1 positive animal (prev.)	% new positive (incidence)	Bacteriology positive	Non indemne 31/12/2018	Suspended 31/12/2018
Norte	14.910	97.6	208	176	1.43	1.21	23	63	285
Centro	23.696	97.6	11	11	0.05	0.05	1	0	454
LVT	6.804	93.4	24	20	0.38	0.31	11	17	311
Alentejo	8.288	96.5	12	12	0.15	0.15	0	1	181
Algarve	1.030	97.5	5	3	0.50	0.30	0	3	28
PT	54.728	96.9	260	222	0.49	0.42	35	84	1.259

DSAVR	Vaccinated flocks	Vaccinated animals
Norte	2.594	28.600
Centro	201	3.158
LVT	1	8
Algarve	15	506
PT	2.811	32.272

In the programme – 54.728 flocks
Non indemne or suspended
2.45%

Rev1 Vaccination

SR brucellosis eradication programme

Results 2018

Flocks with confirmed
infected status 31 December 2018

35 flocks with positive bacteriology

Norte – 23

Centro – 1

LVT – 11

Human cases
2018: 18

Infected flocks

□ DSAVR

□ DAV

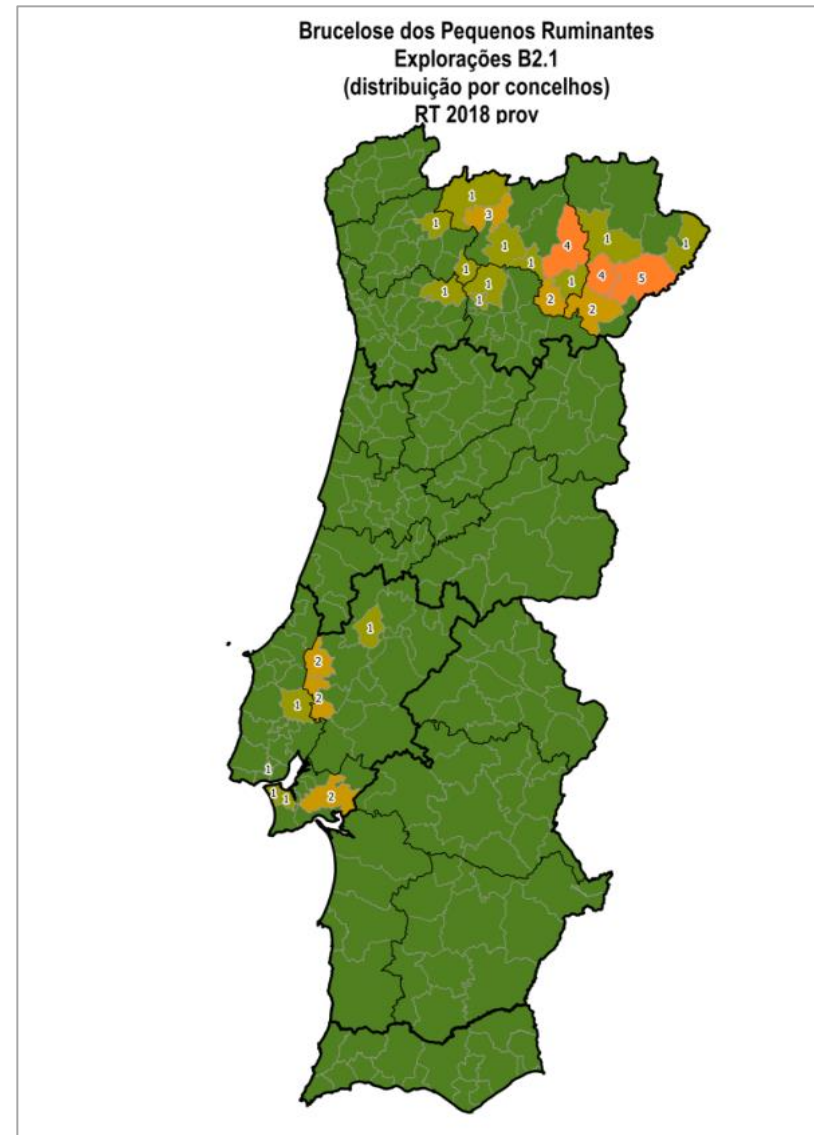
explorações B2.1

■ 0

■ 1

■ 2-3

■ >3



SR Brucellosis eradication programme

Challenges and targets

- Thorough **epidemiological investigation** of flocks with positive results
- Continuous reinforcement of **coverage** of programme (small herds)
- Reinforcement of Animal **movement control**
- **Farmers/Local vets involvement**: meetings in the most affected regions
- **Reinforcement of Total slaughter** of infected flocks
- **Protocol** for management of Positive Serological Reactions not related to infection with *B. melitensis*

Variation from
2014 to 2018

0.88 → **0.49%**
Flock prevalence
44% decrease

0.58 → **0.42%**
Flock incidence
28% decrease

Targets 2018* ✓
Prev 0.58
Incid 0.43

Foreseen targets → **2019: 0.45%** **2020: 0.40%** **2021: 0.20%** **2022: 0.10%**
flock prevalence **2023: 0.05%** **2024: 0%**

Thank You for your attention



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