



REPÚBLICA
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Implementation of **Bovine and Small Ruminants** Eradication Programmes in Portugal 2019

PAFF Standing Committee
18-19 June 2020





Bovine

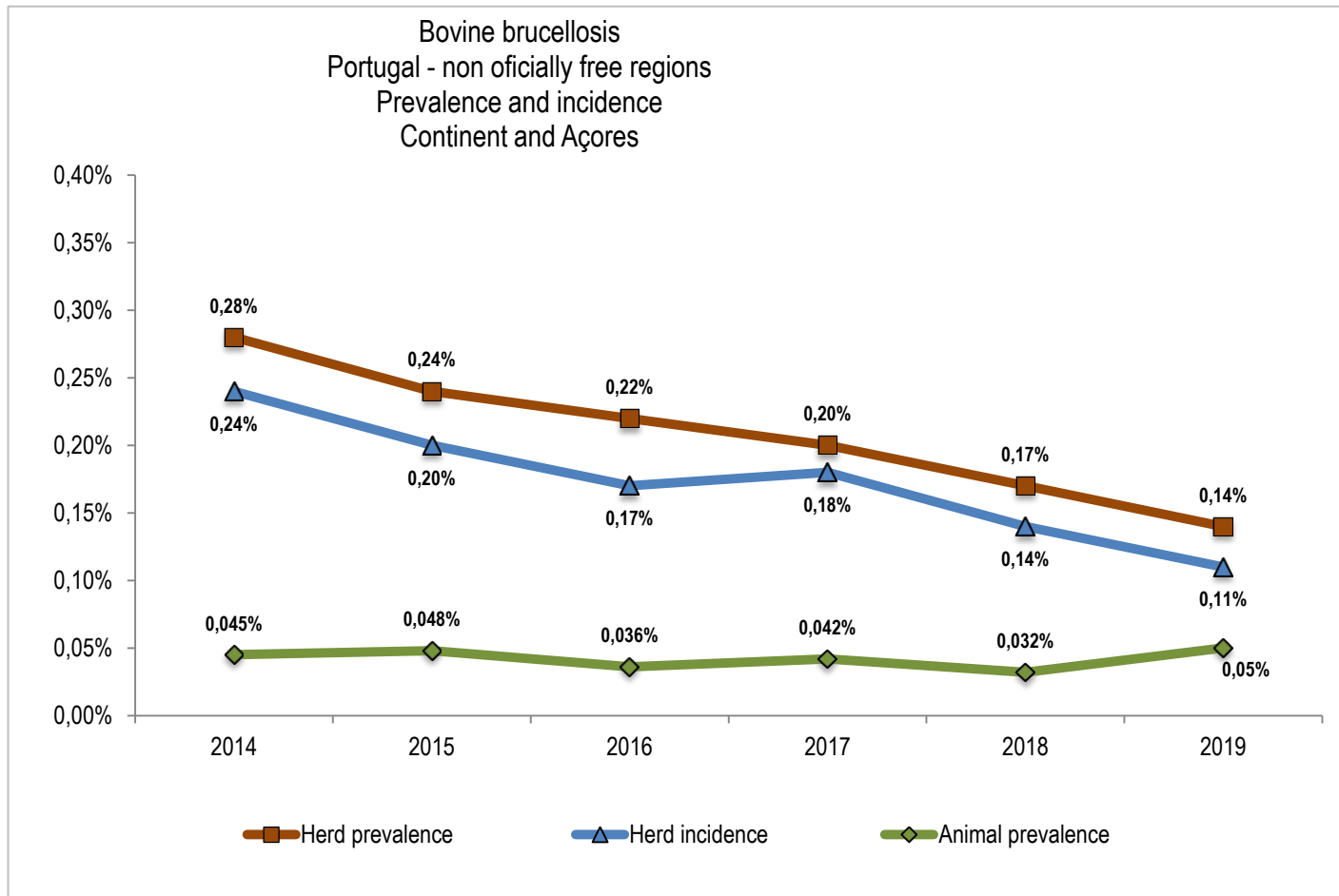
Brucellosis Eradication Programme



Bovine brucellosis eradication programme

Implemented in 4 regions of the Continent and in 3 Islands of Açores

Evolution in the past years



2019
38 positive herds

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

Bovine brucellosis eradication programme

Results 2019 (herds)

DSAVR	Checked	% Tested	with 1 positive animal	New positives	% with 1 positive animal (prev.)	% new positive (incidence)	Bacteriology positive	Non indemne 31/12/2019	Suspended 31/12/2019
Norte	14,249	97.28	14	11	0.1	0.08	5	2	61
Centro	5,150	93.57	0	0	0	0	0	0	29
LVT	1,259	90.38	1	1	0.08	0.08	0	0	36
Alentejo	4,543	98.5	16	12	0.35	0.26	5	7	14
Açores (3 islands)	2,785	79.16	7	7	0.25	0.25	0	0	3
PT	27,986	94.31	38	31	0.14	0.11	10	9	143

DSAVR	Vaccinated herds	Vaccinated animals
Norte	698	1,536
Alentejo	4	707
Açores	870	13,990
PT	1,572	16,233

In the programme – 31,990 herds

RB51 Vaccination

Bovine brucellosis eradication programme

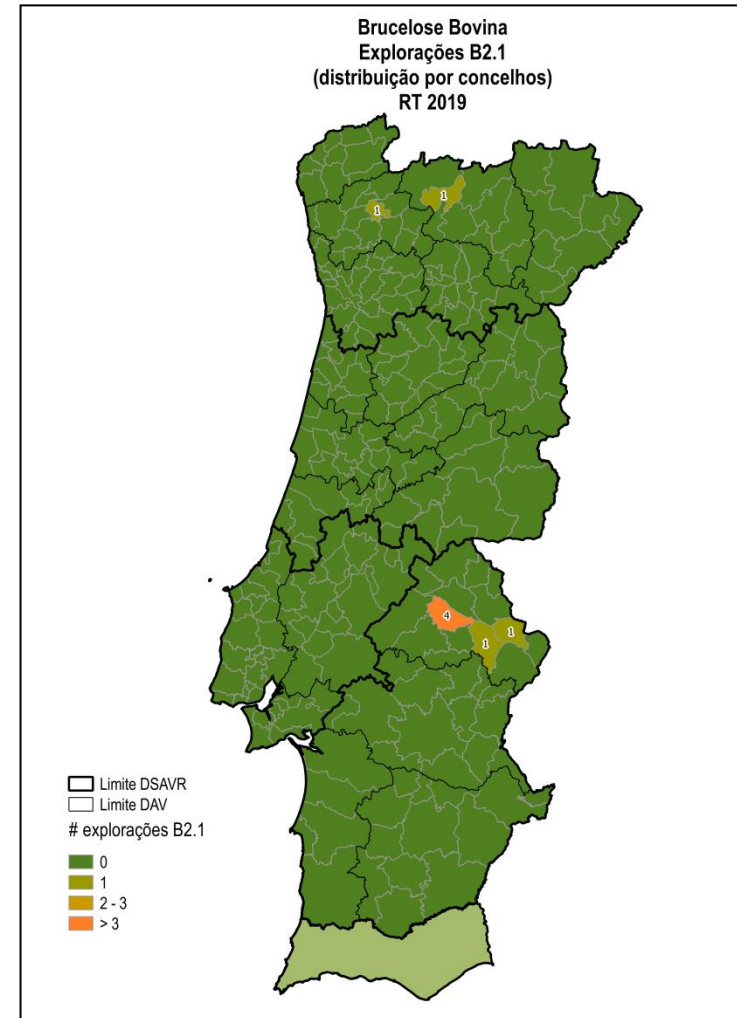
Results 2019

Herds with confirmed infected status (31 December 2019):

8 herds

- Norte – 2 (there were 2 counties with infected herds)
- Alentejo – 6 (there were 3 counties with infected herds)

Algarve and 6
Islands of Açores -
officially free of BB



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 2019	<i>0.28% → 0.14%</i> <i>Herd prevalence</i> 50% decrease	<i>0.24% → 0.11%</i> <i>Herd incidence</i> 54% decrease	Targets 2019* ✓ Prev 0.15 Incid 0.13%
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Foreseen targets → **2020: 0.12%** **2021: 0.08%** **2022: 0.04%** **2023: 0.0%**
herd prevalence

* WORKING DOCUMENT SANTE/2017/10186 rev 1 - Guidelines for the Union co-funded programmes ... for the years 2018-2020



Sheep and Goat

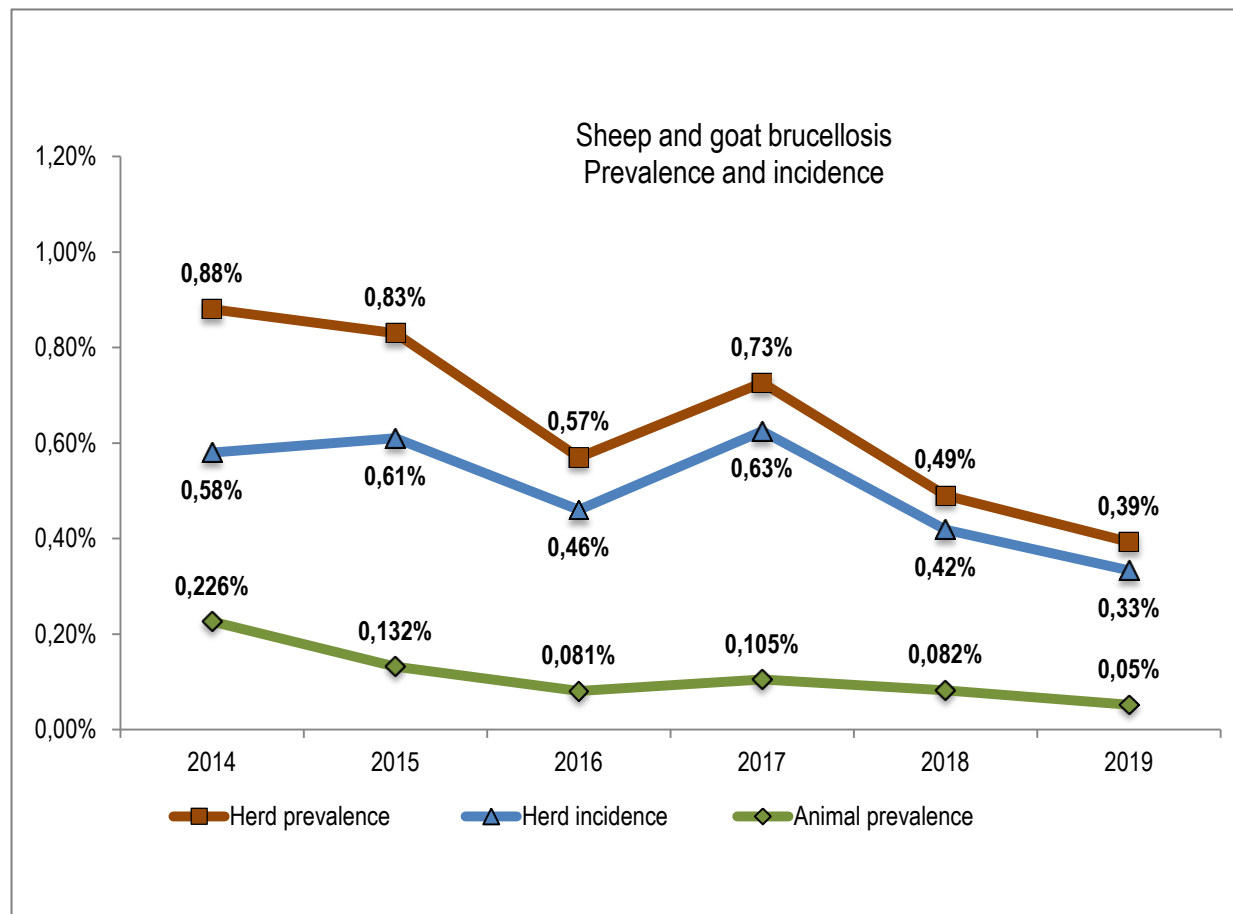
Brucellosis Eradication Programme



SR brucellosis eradication programme

Implemented in 5 regions of the Continent

Evolution in the past years



2019
203 positive herds

20% decrease in
herd prevalence in
relation to 2018

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

SR brucellosis eradication programme

Results 2019 (herds)

DSAVR	Checked	% Tested	with 1 positive animal	New positives	% with 1 positive animal (prev.)	% new positive (incidence)	Bacteriology positive	Non indemne 31/12/2019	Suspended 31/12/2019
Norte	14,117	96.15	166	141	1.18	1	32	51	339
Centro	22,293	95.52	3	3	0.01	0.01	0	0	614
LVT	6,223	94.89	26	20	0.42	0.32	5	8	351
Alentejo	8,001	95.31	8	8	0.1	0.1	0	1	194
Algarve	999	99.6	0	0	0	0	0	2	32
PT	51,633	95.66	203	172	0.39	0.33	37	62	1,530

DSAVR	Vaccinated herds	Vaccinated animals
Norte	2,732	31,685
Centro	162	2,564
LVT	1	19
PT	2,895	34,268

In the programme – 53,977 herds

Rev1 Vaccination

SR brucellosis eradication programme

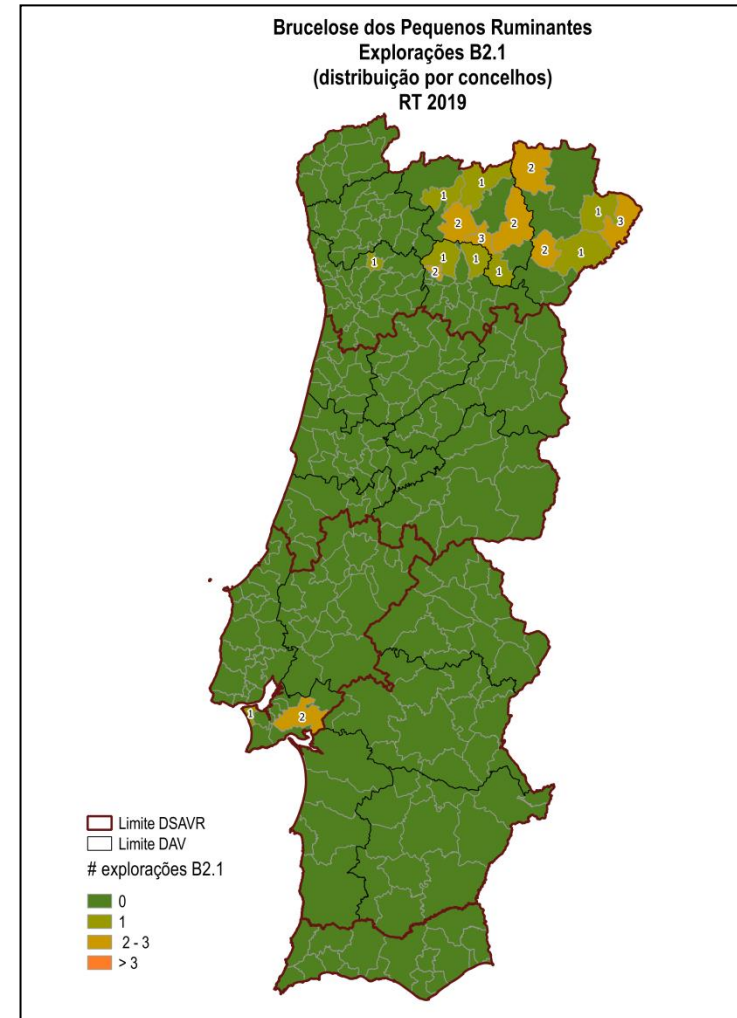
Results 2019

**Herds with confirmed infected status
(31 December 2019):**

27 herds

- Norte – 24 (there were 15 counties with infected herds)
- LVT – 3 (there were 2 counties with infected herds)

**8 abortion cases
2019:
all negatives**



SR Brucellosis eradication programme

Challenges and targets

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

Variation from 2014 to 2019	<i>0.88</i> → 0.39% <i>Herd prevalence</i> 56% decrease	<i>0.58</i> → 0.33% <i>Herd incidence</i> 43% decrease	Targets 2019* ✓ Prev 0.52% Incid 0.35%
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Foreseen targets → **2020: 0.40%** **2021: 0.20%** **2022: 0.10%** **2023: 0.05%** **2024: 0%**
Herd prevalence

* WORKING DOCUMENT SANTE/2017/10186 rev1 - Guidelines for the Union co-funded programmes ... for the years 2018-2020

Human brucellosis

Human cases 2019 in the mainland

Distribution by district according to DGS:

1 case – Aveiro, Braga, Guarda, Leiria, Faro

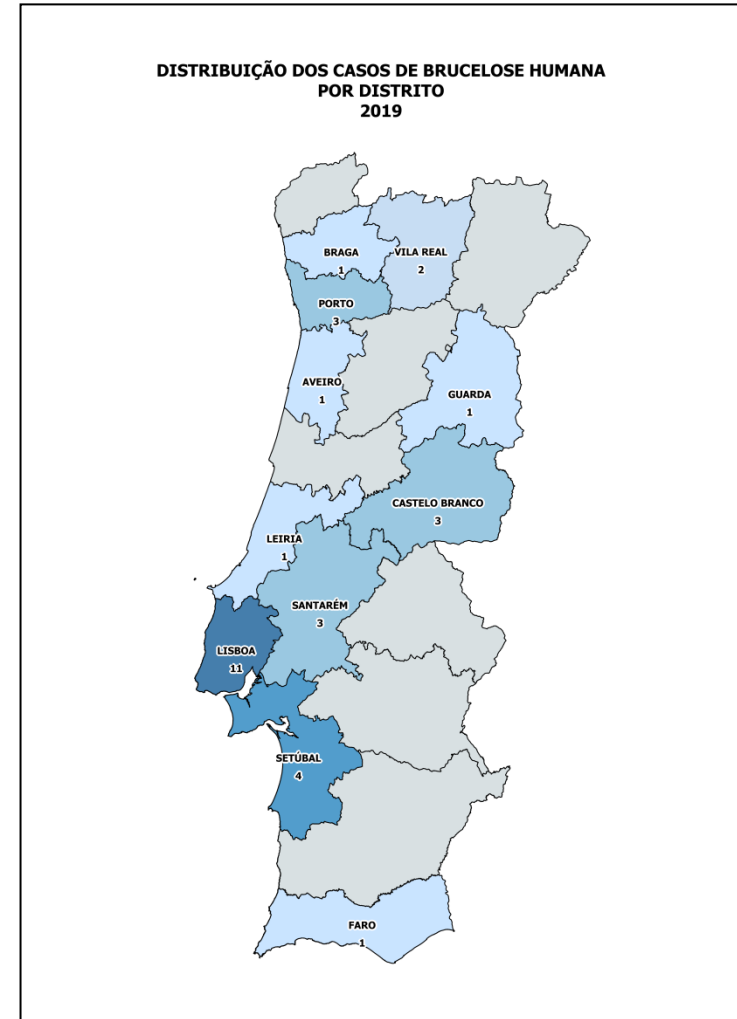
2 cases – Vila Real

3 cases – Castelo Branco, Porto, Santarém

4 cases – Setúbal

11 cases – Lisboa

**Human cases
2019: 31**





Thank You

www.dgav.pt