

Accepted Manuscript

Title: Network-based assessment of the vulnerability of Italian regions to bovine brucellosis

Authors: Alexandre Darbon, Eugenio Valdano, Chiara Poletto, Armando Giovannini, Lara Savini, Luca Candeloro, Vittoria Colizza



PII: S0167-5877(18)30217-4
DOI: <https://doi.org/10.1016/j.prevetmed.2018.07.004>
Reference: PREVET 4496

To appear in: *PREVET*

Received date: 26-3-2018
Revised date: 24-5-2018
Accepted date: 3-7-2018

Please cite this article as: Darbon A, Valdano E, Poletto C, Giovannini A, Savini L, Candeloro L, Colizza V, Network-based assessment of the vulnerability of Italian regions to bovine brucellosis, *Preventive Veterinary Medicine* (2018), <https://doi.org/10.1016/j.prevetmed.2018.07.004>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Network-based assessment of the vulnerability of Italian regions to bovine brucellosis

Alexandre Darbon¹, Eugenio Valdano², Chiara Poletto¹, Armando Giovannini³, Lara Savini³, Luca Candeloro³, Vittoria Colizza^{1*}

1) INSERM, Sorbonne Université, Institut Pierre Louis d'Epidémiologie et de Santé Publique
IPLESP, F75012 Paris, France

2) Departament d'Enginyeria Informàtica i Matemàtiques, Universitat Rovira i Virgili, Tarragona,
43007, Spain

3) Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise, Teramo, Italy

*Corresponding author

Vittoria Colizza

INSERM, Sorbonne Université

Institut Pierre Louis d'Epidémiologie et de Santé Publique (IPLESP)

27 rue Chaligny

75012 Paris, France

Phone number: +33 1 44 73 84 59

Abstract

The endemic circulation of bovine brucellosis in cattle herds has a markedly negative impact on economy, due to decreased fertility, increased abortion rates, reduced milk and meat production. It also poses a direct threat to human health. In Italy, despite the long lasting efforts and the considerable economic investment, complete eradication of this disease still eludes the southern regions, as opposed to the northern regions that are disease-free. Here we introduced a novel

Download English Version:

<https://daneshyari.com/en/article/8503332>

Download Persian Version:

<https://daneshyari.com/article/8503332>

[Daneshyari.com](https://daneshyari.com)