



16th International Symposium of Veterinary Epidemiology and Economics

Connecting Animals, People, and their shared environments

Abstract Book

August 7 - 12, 2022

Halifax | Canada

isvee2022.ca



[@isvee2022](https://twitter.com/isvee2022)

[#isvee16](https://twitter.com/isvee2022)

701

CaribVET RiskSwine Tool: Development and Dissemination of a tool to assess risk of swine diseases in the Caribbean

Dr Maria Irian Percedo¹, Prof. Jordi Casal², Dr Pastor Alfonso¹, Dr Maria Teresa Frias-Lepoureau¹, Dr Wendy Gonzalez³, Paula Morales⁴, Dr Victor Gongora⁵, Dr Kathian Hackshaw⁶, Prof Javier Guitian⁷, Dr Gillian Taylor-Ellis⁸, Dr Jennifer Pradel⁹, **Mr. Eric Etter**¹⁰

¹CENSA, San José de las Lajas, Cuba, ²Universitat Autònoma de Barcelona, Bellaterra, Spain, ³Veterinary Services, , Dominican Republic, ⁴USDA-APHIS, Santo Domingo, Dominican Republic, ⁵Caribbean Veterinary Medical Association, Mayavista, San Ignacio, Belize, ⁶Veterinary Services, , St Vincent and the Grenadines, ⁷Royal Veterinary College, London, United Kingdom, ⁸Veterinary Services, , Jamaica, ⁹ASTRE, Univ Montpellier, CIRAD INRAE, Montpellier, France, ¹⁰CIRAD, UMR ASTRE, Petit Bourg, France

Frequent alerts due to emerging transboundary swine diseases (TSD) prompted the development of a swine disease qualitative risk assessment tool (RiskSwine Tool) by the Caribbean Animal and Veterinary Public Health Network (CaribVET). The objective was to make available this tool to guide Veterinary Services in the conduct of their own in-country risk assessments addressing TSD introduction and dissemination at national level and applicable at the regional level.

The tool was developed as a conceptual framework for qualitative risk assessment consisting of three components: 1) the dissemination (entry) of a swine disease pathogen from an affected country; 2) the diffusion of the pathogen and the exposure of the susceptible swine population and 3) The magnitude and consequences of this risk. The tool was applied to the swine diseases considered as priorities in the Caribbean region: Classical swine fever (CSF), Teschovirus encephalomyelitis, Porcine epidemic diarrhoea (PED) and African swine fever (ASF). Each component is scored based on pre-defined criteria, established by an expert group with reference to these diseases.

The RiskSwine Tool has been progressively updated and recently upgraded in response to the re-emergence of ASF in the Caribbean (Hispaniola) mid-2021. The 2021 version of the tool is a user-friendly Excel Spreadsheet in English, Spanish and French that includes guidelines for users to answer the questions required to assess the risk. This tool was disseminated thanks to webinars organised since September 2021 by the interagency emergency response group led by GF-TADs for the Americas with the active participation of CaribVET.

Following the deployment of the tool in the veterinary services of the region we will organise a user feedback for monitoring and evaluation of the tool and we plan to develop a user friendly interface for online use.

All authors are linked to CaribVET association, Petit Bourg, Guadeloupe, FRANCE