



APSA 2023 19TH BIENNIAL CONFERENCE

Australasian Pig Science
Association (Inc)

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Dr Nina Matsumoto



Smallholder farming in selected regions and its impact on the changing African Swine Fever pandemic

Dr Nina Matsumoto is a Veterinarian and Epidemiologist with a background in production animal health and epidemiology of emergency diseases in development contexts. As a new graduate, Dr Matsumoto worked in Apiam Animal Health's graduate program. During this time, she designed and ran a study on piglet pain management which she presented at APSA in 2019. Dr Matsumoto then completed a PhD investigating the prevention and control of the African swine fever epidemic in Laos. The results of her work included investigation into the financial and social impacts of the outbreak on smallholder farmers, novel diagnostic tests, abattoir-based surveillance programs and the characteristics of the disease in the southeast Asian context. She is now working for Ausvet epidemiology consultants in Fremantle on a Meat and Livestock Australia supported project to support Indonesian feedlots in developing cost-effective biosecurity solutions in the face of the 2022 Foot and mouth disease outbreak.

Dr Matsumoto's paper will describe two unique smallholder pig production systems and the challenges they pose to effective ASF control strategies. The paper aims to demonstrate the similarities and differences that required nuanced approaches to recommendations for ASF control, and will provide recommendations on strategies to address these challenges to aid the development of effective smallholder biosecurity protocols in a variety of contexts.