

## POSTER SESSION

### 8 December Session 1 Measuring animal movements and drivers for FAST disease risk mapping

<p>Dr. S. M. Jamal, <i>Department of Biotechnology University of Malakand, Pakistan</i></p>	<p>Spread of foot-and-mouth disease virus serotype o/me-sa/ind-2001e sub-lineage in Pakistan.</p>
<p>Dr. P. Bastiaensen, <i>Programme Officer World Organisation for Animal Health (OIE)</i></p>	<p>Is African swine fever returning to Africa? A back-of-the-envelope analysis of 15 years of WAHIS data.</p>
<p>Dr. S. Mielke, <i>Center for Epidemiology and Animal Health (CEAH)</i></p>	<p>Predicting foot-and-mouth disease virus in tropical endemic settings using an agent-based modeling framework.</p>
<p>Dr. A. J. Adedeji <i>National Veterinary Research Institute</i></p>	<p>Risk factors associated with sheeppox and goatpox seroprevalence and identification of high-risk areas in selected states of northern Nigeria.</p>
<p>Dr. R. M. F. De Jong, <i>Royal Veterinary College, UK</i></p>	<p>Epidemiological investigation of foot-and-mouth disease outbreaks in a bear rescue centre in Vietnam in 2011.</p>
<p>G. Silva, <i>Master's student in experimental epidemiology, University of São Paulo</i></p>	<p>Coverage of slaughterhouse surveillance for bovine tuberculosis through network analysis of cattle movements in Brazil.</p>

<p>Dr. R. Bradhurst, <i>CEBRA Research Fellow School of Biosciences The University of Melbourne</i></p>	<p>Modelling the spread of transboundary animal disease in and between domestic and wild swine populations.</p>
<p>Dr. I. Mugezi, <i>Veterinary Inspector Department of Animal Health, Ministry of Agriculture</i></p>	<p>Risk of foot-and-mouth disease spread through cattle movements in Uganda.</p>
<p>U. Gunasekera, <i>Research Assistant University of Minnesota</i></p>	<p>Molecular surveillance of foot and mouth disease virus through slaughterhouse in Vietnam.</p>
<p>Dr. K. Absalanfard, <i>Ph.D of Epidemiology</i></p>	<p>Survey on 10 years foot and mouth disease outbreaks in Bushehr province, Iran.</p>
<p>D. Lazarus, <i>Doctoral student University of Pretoria Faculty of Veterinary Science Department of Production Animal Studies</i></p>	<p>Goat movements within the foot-and-mouth disease protection zone of south Africa.</p>
<p>Dr. E. A. Foglia, <i>PhD Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna</i></p>	<p>The role of local and regional livestock movements in foot-and-mouth disease spread in east Africa.</p>
<p>Dr. T. Chaligava, <i>Ministry of Environmental Protection and Agriculture of Georgia</i></p>	<p>Foot-and-mouth disease risk mapping in Georgia.</p>
<p>Dr. T. Makara, <i>Department of Animal Health and Veterinary Public Health of the General Directorate of Animal Health and Production</i></p>	<p>Epidemiological study of foot and mouth diseases in Prey Veng province, March 2018-August 2019.</p>

10 December Session 2 From risk to actions: making them happen

<p>Dr. J. Udahemuka, <i>Lecturer</i> <i>University of Rwanda</i></p>	<p>Risk factors associated with FMD endemicity in eastern Rwanda.</p>
<p>K. StCharles, <i>Research Professional</i> <i>Secure Food Systems Team</i> <i>UMN College of Veterinary Medicine</i> <i>Department of Veterinary and Biomedical Sciences.</i></p>	<p>Workload schedules, biosecurity practices, and communication preferences of truck drivers transporting pigs and their potential implications on disease spread in the United States.</p>
<p>Dr. C. Colenutt, <i>Senior Postdoctoral Scientist</i> <i>The Pirbright Institute</i></p>	<p>Foot-and-Mouth disease virus surveillance at markets and abattoirs in Cameroon using environmental sampling.</p>
<p>Dr. P. Compston, <i>PhD student, Royal Veterinary College,</i> <i>Veterinary Epidemiology, Economics and Public Health Group</i></p>	<p>Factors influencing decision-making for foot-and-mouth disease control in Kenya.</p>
<p>Dr. David Lefebvre, <i>Scientist, DVM, PhD</i> <i>Exotic viruses and Particular Diseases</i></p>	<p>Complex circulation of foot-and-mouth disease virus in cattle in Nigeria.</p>
<p>Dr. T. Aliyeva, <i>Azerbaijan Food Safety Institute.</i></p>	<p>Comparison of FMD serosurveillance results in Azerbaijan during 2016 – 2019.</p>
<p>Dr. W. Probert</p>	<p>Vote-processing rules for combining rankings of control interventions from multiple models.</p>
<p>Dr. Y. Tao, <i>Postdoctoral Fellow</i> <i>UC Santa Barbara, US Intelligence Community</i></p>	<p>Misspecifying operational delays may produce biased forecasts: a retrospective analysis of the 2001 FMDV outbreak in the United Kingdom.</p>

<p>Dr. S. Messori, <i>Chargé de mission</i> <i>World Organisation for Animal Health (OIE)</i></p>	<p>Focusing the global research effort to deliver the required tools and strategies for FMD control.</p>
<p>Dr. D. Hadžović <i>Senior Associate for Veterinary Epidemiology</i> <i>at Veterinary Office of BiH</i></p>	<p>Evaluation of a brucellosis control strategy in small ruminants in Bosnia and Herzegovina.</p>
<p>Dr. S. Yadav, <i>FMD Technical Specialist and Quantitative Risk Assessor, EuFMD</i></p>	<p>Evaluation of the impacts of ‘time to detection’ of a foot-and-mouth disease incursion in Central Europe using EuFMDIS modelling tool.</p>
<p>Dr. A. Bulut, <i>Veterinary FMD Expert</i> <i>FMD Institute</i></p>	<p>A new approach on outbreak investigations for the control of foot-and-mouth disease (FMD) in Anatolian region of Turkey.</p>
<p>Dr. S.I. Turgut, <i>Veterinarian</i> <i>Sap Institute Müdürlüğü/ANKARA</i> <i>Agriculture and Forestry Ministry</i></p>	<p>Monitoring to combat foot-and-mouth disease virus serotype O from 1999 to the present in Turkey.</p>
<p>Dr. O. Nekouie, <i>Department of Infectious Diseases and Public Health, City University of Hong Kong</i></p>	<p>Modeling of freedom from peste des petits ruminants (PPR) and sheep and goat pox (SGP) in Thrace.</p>
<p>Dr. A. Dekker, <i>Senior scientist</i> <i>Wageningen Bioveterinary researchWBVR-Lelystad</i></p>	<p>Survival of FMDV in the environment and its role in virus transmission.</p>
<p>Dr. G. Torres, <i>Head of the Science Department at World Organization for Animal Health (OIE)</i></p>	<p>The GF-TADS initiative for the global control of African swine fever.</p>

<p>Dr. P. Motta, <i>Veterinary</i> <i>EuFMD</i></p>	<p>Historical review of FMD virological surveillance and lessons since the establishment of the joint FAO and OIE global FMD control strategy (2012-2019).</p>
<p>Dr. E. Chevanne, <i>FMD Risk Management Specialist</i> <i>EuFMD</i></p>	<p>Bovine ephemeral fever in the European neighbourhood between 2015 and 2019, a web-based survey among EUFMD trainees.</p>
<p>Dr C. Albanello, <i>Senior Trainer</i> <i>Istituto Zooprofilattico Sperimentale</i> <i>dell'Abruzzo e del Molise "G. Caporale"</i></p>	<p>Modelling virtual training methods to enhance entomological surveillance for rift valley fever and other mosquito-borne Arboviroses in Libya: a transferable approach.</p>
<p>Dr. O. Mtaallah</p>	<p>A new approach to fight against foot and mouth disease in Tunisia using a spatial model and a zoning approach.</p>

15 December Session 3 Vaccine security and critical resources for emergency management

<p>Dr. C. Hamers, <i>Director Scientific Support and Trial Management,</i> <i>Boehringer Ingelheim Animal Health</i></p>	<p>Maternally derived antibodies to FMD in cattle: is interference on FMD vaccination appropriately considered?</p>
<p>Dr. L. Remoué, <i>Coordination and Task Force Leader</i> <i>Boehringer-Ingelheim</i></p>	<p>FMD serological blocking Elisa based on VHH for post-vaccination monitoring.</p>

<p>Dr. A. Capozzo <i>Principal Researcher</i> <i>Consejo Nacional de Investigaciones Científicas y Técnicas, (CONICET)</i></p>	<p>Indirect Elisas based on purified viral particles that measure different aspects of the antibody response as alternatives to the currently used serological methods.</p>
<p>Dr. C. Turco, <i>Institute of Virology and Technical Innovations. (INTA-CONICET)</i></p>	<p>Filtration assisted luminometric Elisa (fal-elisa) applied to the detection of foot-and-mouth disease virus non-structural proteins in formulated vaccines.</p>
<p>Dr. F. Mansilla, <i>Institute of Virology and Technical Innovations. (INTA-CONICET)</i></p>	<p>Avidity Elisa provides a good correlate with the virus neutralization tests in foot-and-mouth disease vaccinated buffaloes (<i>bubabulus bubalis</i>).</p>
<p>Dr. M. I. Barbaruah, Director Vet Helpline India Pvt Ltd</p>	<p>Animal disease emergency management -a rapid documentation of learning based on government response related to recent animal disease outbreaks in Assam (India).</p>
<p>Dr. C. Croton, <i>Veterinary Officer, Epidemiology and One Health Animal Health Policy Branch</i> <i>Department of Agriculture, Water and the Environment</i></p>	<p>Oculus quest virtual reality demonstration to support FMD training.</p>
<p>Dr. S. H. Park, <i>Veterinary Researcher</i> <i>Animal and Plant Quarantine Agency</i></p>	<p>Swine protection in the early stage with intradermal vaccine against type a foot-and-mouth disease virus isolated in Korea, 2018.</p>
<p>Dr. A. Shaw, <i>Senior Post Doc</i> <i>The Pirbright Institute</i></p>	<p>Exploring Foot-And-Mouth disease virus antibody affinity using Bio-layer Interferometry.</p>
<p>You Jin Han</p>	<p>Development of solid-phase competition Elisa for detection of type-a foot and mouth disease virus antibodies.</p>

<p>May-Rita Irani, <i>R&amp;D Project Manager IDvet</i></p>	<p>A pan-serotype solid phase blocking Elisa prototype for detection of structural protein antibodies: a solution for emergency supply of FMD SP diagnostic kits?</p>
<p>Dr. D. Kwon, <i>Foot and Mouth Disease Diagnostic Division, Animal and Plant Quarantine Agency</i></p>	<p>Comparison of diagnostic performances of three commercial Elisa kits for detection of antibodies to foot-and-mouth disease virus type-o.</p>
<p>Dr. Mi-Young Park <i>Deputy Head of Status Department Head of the Science Department at World Organization for Animal Health (OIE)</i></p>	<p>Duration of immunity in cattle and pigs under national vaccination programme against foot-and-mouth disease virus.</p>
<p>Dr. Seung Heon Lee <i>Center for FMD Vaccine Research</i></p>	<p>Development of a liquid-phase blocking Elisa based on foot-and-mouth disease virus a/yeoncheon/2017 for post-vaccination sero-monitoring.</p>
<p>Dr. Seung Heon Lee <i>Center for FMD Vaccine Research</i></p>	<p>Correlation between serological titer and protection in pigs vaccinated with FMD serotype a vaccine.</p>
<p>Dr. Seung Heon Lee <i>Center for FMD Vaccine Research</i></p>	<p>Evaluation of the antigenic relatedness between foot-and-mouth disease vaccines and currently circulating viruses in southern East Asia.</p>
<p>Dr. Seung Heon Lee <i>Center for FMD Vaccine Research</i></p>	<p>The changes of serological cross-reactivity between homologous and heterologous booster Foot-and-Mouth disease vaccination in pigs.</p>
<p>Dr. Seung Heon Lee <i>Center for FMD Vaccine Research</i></p>	<p>Experimental evaluation of foot-and-mouth disease o SKR vaccine: protective efficacy and serological performance in pigs.</p>

<p>Dr. C. Potzsch, <i>Consultant veterinary epidemiologist</i> <i>EuFMD</i></p>	<p>FMD risk reduction in Transcaucasia and neighbouring countries – an example of successful regional cooperation.</p>
<p>Dr. E. A. Foglia, <i>PhD, Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna</i></p>	<p>Field trial to estimate effectiveness of vaccination program against foot-and-mouth disease in Transcaucasian countries – Georgia and Armenia.</p>
<p>Dr. A. Dekker, <i>Senior scientist, Wageningen Bioveterinary researchWBVR-Lelystad</i></p>	<p>Neutralising antibody response poor predictor of heterologous protection.</p>

**17 December Session 4 Resilience to long term FAST crises: the importance of animal welfare, supply chain and business continuity**

<p>Dr. S. Fèvre, <i>Programme Manager – Veterinary paraprofessionals, Capacity Building Department</i></p>	<p>Empowering veterinary paraprofessionals in Africa for better control of TADS.</p>
<p>Dr. P. Durr, <i>Veterinary epidemiologist</i> <i>CSIRO-Australian Centre for Disease Preparedness</i></p>	<p>Spread: deciphering farm-to-farm FMD transmission through a big data decision support system.</p>
<p>Dr. P. Compston, <i>PhD student</i> <i>Royal Veterinary College</i></p>	<p>How do you define a foot-and-mouth disease outbreak in an endemic context? a case study from Nakuru County, Kenya.</p>



Additional Session Diagnosis and virus characterization

Dr. A. Shaw, <i>Senior Post Doc The Pirbright Institute</i>	Enhanced complete genome sequencing of foot-and-mouth disease virus using probe enrichment.
May-Rita IRANI	Ready-to-use solid phase blocking Elisa kits for detection of specific antibodies to FMDV Serotypes O, A, Asia1.
May-Rita IRANI	Proven performances for FMDV NSP antibody detection with the id screen® FMD NSP competitive Elisa.
May-Rita IRANI	A New FMDV antigen Elisa using Multiserotype-reactive monoclonal antibodies.
Dr. Eun-Jin Choi,	Validation of recombinant protein-based Elisa for detection of antibodies to foot-and-mouth disease virus type-o.
Dr. J. Lee, <i>Foot-and-mouth disease division, Animal and Plant Quarantine</i>	Development of lineage-specific real-time RT-PCR for the recent FMDV, Asia/sea-97 In South Korea.
Dr. B. La, <i>Animal and Plant Quarantine Agency, Ministry of Agriculture, Food and Rural affairs, Republic of Korea</i>	Enhanced diagnosis efficacy of a newly developed Elisa kit for FMDV in pool 1 Region.
Dr. H. Lee, <i>Animal and Plant Quarantine Agency, Ministry of Agriculture, Food and Rural affairs, Republic of Korea</i>	Genetic characterization of serotype and genetic relatedness of foot-and-mouth disease viruses in South East Asia.
Dr. N. Knowles, <i>Head of Molecular Epidemiology The Pirbright Institute</i>	Development of a new expert-curated foot-and-mouth disease virus nucleotide sequence database.
Dr. P. Eblé, <i>Senior scientist Wageningen Bioveterinary Research (WBVR)</i>	Comparison of use of primary cells and cell lines for virus isolation assays for FMDV.

<p>Dr. G. Pezzoni, <i>Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER)</i></p>	<p>Diagnostic Performance Of Foot-And-Mouth Disease Virus Detection And Serotyping Assays With Field Samples From East Africa</p>
<p>Dr. S. Grazioli, <i>Biologist Istituto Zooprofilattico Sperimentale Lombardia ed Emilia Romagna (IZSLER)</i></p>	<p>A Multiplex Lateral Flow Device For On-Field Identification And Serotyping Of Foot-And-Mouth Disease Virus</p>
<p>Dr. S. Baselli, <i>Biotechnologist Istituto Zooprofilattico Sperimentale della Lombardia e Dell'Emilia Romagna (IZSLER)</i></p>	<p>Serological Elisas based on monoclonal antibodies as diagnostic tools for lumpy skin disease.</p>
<p>Dr. D. Blight, <i>Department of Production Animal Studies, Faculty of Veterinary Science, University of Pretoria</i></p>	<p>Genetic Analysis Of The 2013/14 Sat2 Foot-And-Mouth Disease (FMD) outbreak in Mpumalanga Province, South Africa.</p>
<p>Dr. E. Brown, <i>Research assistant The Pirbright Institute</i></p>	<p>Characterising Foot-And-Mouth Disease virus in clinical samples using Nanopore sequencing .</p>
<p>Dr. Fadia Y.Khalifeh</p>	<p>Elisa Techniques For FMD.</p>
<p>Dr. A. Ludi <i>The Pirbright Institute</i></p>	<p>A review of the WRLFMD's proficiency testing scheme.</p>
<p>Dr. F. Maree <i>Specialist Researcher, Agricultural Research Council</i></p>	<p>Biological variance of sat2 foot-and-mouth disease viruses.</p>
<p>Abdel-Hamid Bazid <i>MVSc. / PhD Virology lecturer-Faculty of Veterinary Medicine University of Sadat City</i></p>	<p>Assessment of potency and effectiveness of hepta-valent FMD vaccine oil adjuvanted (isa 206) in Egypt.</p>