



## AGENDA

### 08 December Official opening

Morning (09:30 – 11.00 am)

9:30-9:40	<p><b>Dr. F. Rosso,</b> <i>Deputy Executive Secretary.</i> <i>European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</i></p> <p><b>Dr. J. Angot,</b> <i>Inspecteur général de santé publique vétérinaire, EuFMD</i></p>
9:40-9:45	<p><b>Dr. M. Stone,</b> <i>Deputy Director General International Standards and Science, OIE</i></p>
9:45-9:50	<p><b>Dr. A. Füssel,</b> <i>DG SANTE/G2, European Commission</i></p>
9:50-9:55	<p><b>Dr. K. Sumption,</b> <i>Chief Veterinary Officer FAO, Executive Secretary EuFMD</i></p>
9:55-10:10	<p><b>Dr. M. Blake,</b> <i>Chief Veterinary Officer Ireland, EuFMD President</i></p>
10:10-10:20	<p><b>Dr. S. Zientara,</b> <i>Head of the Research Unit, ANSES, President Standing Technical Committee of the EuFMD</i></p>



Setting the Scene for the Open Session		
10:20-10:40	<p><b>Dr. D. King</b> <i>Head of the Vesicular Disease Reference Laboratory Group, The Pirbright Institute (TPI)</i></p>	Global Foot-and-Mouth Disease situation
10:40-10:50	<p><b>A. Bataille</b> <i>Researcher virologist The French Agricultural Research Centre for International Development (CIRAD)</i></p>	Geographic distribution of Peste des Petits Ruminants
10:50-11:00	<p><b>Dr E. Tuppurainen</b> <i>Head of the Field Studies Working Group Friedrich-Loeffler-Institut (FLI)</i></p>	Lumpy Skin Disease: a challenge for three continents
<b>11:00-11:15</b>	<b>Round table</b>	



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

**Morning (11.30 - 13.00) Chair: Prof. James Wood**

11:20-11:30	<b>Introduction by the Chair: Prof. James Wood</b>	
Keynote 11:30-11:50	<b>Prof. R. Kao</b> <i>Professor of Veterinary Epidemiology and Data Science, University of Edinburgh</i>	Quantifying the role of livestock movements for the transmission of RVF in Northern Tanzania.
Keynote 11:50-12:10	<b>Dr. A. Apolloni, Dr. A. Delabougli</b> <i>Modeller/Health economist The French Agricultural Research Centre for International Development (CIRAD)</i>	Modelling and predicting national and regional animal mobility affecting livestock's diseases circulation. A comparison from studies in north/west Africa and southeast Asia.
12:10-12:20	<b>N.C. Cárdenas</b> <i>PhD student Sao Paulo University</i>	A multi-species contact-network model: between-farm disease spreading among bovine, small ruminants and swine populations.
12:20-12:30	<b>Dr. D. Ekwem</b> <i>University Of Glasgow</i>	Tracking livestock movements to understand the patterns and risks of foot-and-mouth disease spread in traditionally managed systems in east Africa.
12:30-12:40	<b>Dr. G. Guyver-Fletcher</b> <i>Phd Student The University of Warwick</i>	A model exploration of carrier transmission sufficient for maintenance of endemic FMD.
12:40-13:00	<b>Round table moderated by James Wood, Corissa Miller and Paolo Motta</b>	



**Afternoon (15.00 - 17.00) Chair: Prof. James Wood**

<p><b>Keynote</b> 15:00-15:20</p>	<p><b>Dr. E. Valdano</b> <i>Postdoctoral Researcher French National Institute of Health and Medical Research (INSERM)</i></p>	<p>Analyzing cattle trade networks from 13 European countries, and predicting their vulnerability to outbreaks.</p>
<p>15:20-15:30</p>	<p><b>Dr. C. Squarzoni-Diaw</b> <i>Epidemiologist The French Agricultural Research Centre for International Development (CIRAD)</i></p>	<p>A participatory qualitative risk assessment to estimate the risk of introduction and spread of transboundary animal diseases in scarce-data environments and the major role of animal mobility.</p>
<p>15:30-15:40</p>	<p><b>Dr. F. Wanyoike</b> <i>International Livestock Research Institute (ILRI)</i></p>	<p>Impact of environmental changes and disruption of production and price variations on animal mobility, movement patterns and spread of FAST diseases.</p>
<p>15:40-15:50</p>	<p><b>Dr. R. Aguanno</b> <i>The Food and Agriculture Organization (FAO) Prof Doctorate Student Royal Veterinary College (RVC) London</i></p>	<p>Participatory mapping of animal mobility patterns using FAO's epidemiology value chain platform.</p>
<p>15:50-16:00</p>	<p><b>Dr. B. Vidondo</b> <i>Researcher University of Bern</i></p>	<p>Early warning of infectious disease outbreaks on cattle-transport networks.</p>
<p>16:00-16:30</p>	<p><b>Round table</b> moderated by James Wood, Bouda Ahmadi and Paolo Motta</p>	



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

Morning (11.00 - 13.00) Chair: Prof. Katharina Staerk

10.50-11.00	<b>Introduction</b> by the Chair: Prof. Katharina Staerk	
Keynote 11:00-11:20	<b>Dr. E. Snary</b> <i>Head of Epidemiological Sciences. Animal and Plant Health Agency (APHA)</i>	Cross-validation of generic risk assessment tools: an ASF case study.
Keynote 11:20-11:40	<b>Dr. M. Tildesley</b> <i>Associate Professor University of Warwick</i>	The use of foot-and-mouth disease models in disease free and endemic settings: prediction, control and targeting of interventions for emerging outbreaks.
11:40-11:50	<b>Dr. A. Cabezas</b> <i>Responsable du statut des maladies Service Des Status, Office internationale des Epizooties (OIE)</i>	An analysis of recognitions, suspensions, and recoveries Of Official Foot-And-Mouth Disease free status and identification of possible associated factors for fast and sustained recoveries.
11:50-12:00	<b>Dr. R. Palumbo, Dr. R. Condoleo</b> <i>Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana (IZSLT)</i>	Ranking FMD Hazard using expert knowledge elicitation and PCP activities.
12:00-12:10	<b>Dr. N. Mapitse</b> <i>Office internationale des Epizooties (OIE)</i>	The Global FMD control strategy, progress, challenges and opportunities.
12:10-12:20	<b>Dr. L. Corbellini</b> <i>Associate Professor Universidade Federal do Rio Grande do Sul (on sabbatical leave) (IICA)</i>	Planning Foot and Mouth Disease surveillance system in Brazil: a shift to free zones where vaccination is not practised.
12:20-12:50	<b>Round table</b> moderated by Katharina Staerk, Corissa Miller and Nick Lyons	



**Afternoon (15:00 - 17:00) Chair: Prof. Katharina Staerk**

<p><b>Keynote</b> 15:00-15:20</p>	<p><b>Dr. K. Rich</b> <i>International Livestock Research Institute,(ILRI)</i></p>	<p>Methods for economic evaluation of surveillance, prevention and control measures considering TADs risk and cost of mitigation measures.</p>
<p><b>Keynote</b> 15:20-15:40</p>	<p><b>Dr. L. Boden</b> <i>Professor in Population Medicine and Veterinary Public Health Policy Deputy Director of EPIC, Scottish Government's Centre of Expertise on Animal Disease Outbreaks The Royal (Dick) School of Veterinary Studies and The Roslin Institute</i></p>	<p>Effective risk communication for better preventive measures. Barriers, opportunities and strategies to ensure adequate response to risk change.</p>
<p>15:40-15:50</p>	<p><b>Dr. T. Knight-Jones</b> <i>Senior Scientist International Livestock Research Institute (ILRI)</i></p>	<p>When Is FMD Vaccination in Endemic Settings Profitable?</p>
<p>15:50-16:00</p>	<p><b>Dr. N. Lyons</b> <i>Veterinary Epidemiology Consultant University of Liverpool/EuFMD</i></p>	<p>Economic Considerations for Advancement Through The Progressive Control Pathway: Cost-Benefit Analysis of FMD Control In Punjab Province, Pakistan.</p>
<p>16:00-16:10</p>	<p><b>Dr. A. Railey</b> <i>Postdoctoral Fellow Indiana University</i></p>	<p>Household and market impacts of foot-and-mouth disease at the Uganda-Tanzania border.</p>
<p>16:10-16:20</p>	<p><b>Dr. K. VanderWaal</b> <i>Assistant Professor University of Minnesota</i></p>	<p>Forecasting the Spread of Viruses in Swine In The U.S.: Translating Movement and Environmental Data to Actionable Information.</p>
<p>16:20-16:50</p>	<p><b>Round table</b> moderated by Katharina Staerk, Bouda Ahmadi and Nick Lyons</p>	



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

**Morning (11:00 - 13:00) Chair: Dr. Sten Mortensen**

10:50 -11:00	<b>Introduction by the Chair: Dr. Sten Mortensen</b>	
Keynote 11:00-11:20	<b>Dr. S. Hamilton</b> <i>Director, Epidemiology and One Health, Australian Government</i>	How much is enough? Modelling and other methods to guide investments in preparedness for transboundary animal diseases.
Keynote 11:20-11:40	<b>Dr. D. Sammin</b> <i>Director, Laboratory Services of the Department of Agriculture, Food and the Marine</i>	Diagnostic supply chain issues: lessons from COVID19 for animal health.
11:40-11:50	<b>Dr. N. Singanallur</b> <i>Commonwealth Scientific and Industrial Research Organisation</i>	Systems immunology-based approach to study early immune responses to emergency foot-and-mouth disease vaccination in pigs.
11:50-12:00	<b>Dr. S. Watson</b> <i>European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</i>	Developing an analytical model to predict FMD vaccine demand for endemic countries.
12:00-12:10	<b>L. Quiroz</b> <i>Emergency Program Manager at California Department of Food and Agriculture</i>  <b>Dr. P. Hullinger</b> EuFMD	California FMD vaccination planning.
12:10-12:20	<b>Dr. B. Sanz-Bernardo, Dr. M. Grant</b> <i>The Pirbright Institute/EuFMD</i>	FASTER vaccination: assessing level of preparedness.
12:20-12:50	<b>Round table moderated by Sten Mortensen, Corissa Miller and Bouda Ahmadi</b>	

**Afternoon (15:00 - 17:00) Chair: Dr. Sten Mortensen**

<p><b>Keynote</b> 15:00-15:20</p>	<p><b>Dr. M. J. Francis</b> <i>BioVacc Consulting Ltd</i></p>	<p>From Bench to Field: Rapid Veterinary Vaccine Development and Platform Technologies.</p>
<p><b>Keynote</b> 15:20-15:40</p>	<p><b>Dr. P. Hudelet</b> Head, Technical Service <i>Boehringer Ingelheim Animal Health</i></p>	<p>Solutions to vaccine security - a manufacturer's perspective.</p>
<p>15:40-15:50</p>	<p><b>Dr. A. King</b> <i>Director, International Veterinary Health. Merck Animal Health</i></p>	<p>Prioritization of vaccines – approaches to maximizing impact.</p>
<p>15:50-16:00</p>	<p><b>Dr Khorchani</b> <i>Médecin Vétérinaire Inspecteur Régional, Direction Générale des Services Vétérinaires Ministère de l'Agriculture République Tunisienne</i></p>	<p>Evaluation of human resources needed and comparison with human resources available to control foot and mouth disease outbreaks in Tunisia using emergency vaccination.</p>
<p>16:00-16:10</p>	<p><b>Dr. A. S. Asfor</b> <i>The Pirbright Institute (TPI)</i></p>	<p>Development of a peptide elisa for specific detection of foot-and-mouth disease virus-neutralising antibodies: can a test in this format replace VNT?</p>
<p>16:10-16:20</p>	<p><b>Dr. C. Ezeasor</b> <i>Lecturer University of Nigeria</i></p>	<p>Intranasal vaccine application methods influence the immune responses in goats following intranasal <i>peste des petits ruminants</i> vaccination: clinicopathological and immunohistochemical finding.</p>
<p>16:20-16:50</p>	<p><b>Round table</b> moderated by Sten Mortensen, Bouda Ahmadi and Pamela Hullinger</p>	





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

Morning (11:00 – 13.00) Chair: Dr. Germán Cáceres Garrido

10:50-11:00	<b>Introduction by the Chair: Dr. Germán Cáceres Garrido</b>	
Keynote 11:00-11:20	<b>Dr. F. Reviriego</b> <i>DG for Health and Food Safety of the European Commission</i>	Improving business continuity in the EU - the regulatory and policy challenges.
Keynote 11:20-11:40	<b>Dr. J. Vaarten</b> <i>Executive Director Federation of Veterinarians of Europe (FVE)</i>	Tackling FAST diseases through a public-private partnership.
11:40-11:50	<b>Dr. R. García</b> <i>Former president of the Association of Government Veterinarians (UK)</i>	Veterinary services wellbeing— a key element of resilient FAST crises.
11:50-12:00	<b>Dr. M. G. Garner</b> <i>Commonwealth Scientific and Industrial Research Organisation (CSIRO)</i>	Comparing surveillance approaches to support regaining free status after a foot and mouth disease outbreak.
12:00-12:10	<b>T. Marschik</b> <i>PhD Student University of Veterinary Medicine Vienna</i>	The epidemiological and economic impact of a potential outbreak of foot-and-mouth disease in Austria.
12:10-12:20	<b>María de la Puente Arévalo</b> <i>European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</i>	Supporting preparedness to crises...in times of crisis
12:20-12:50	<b>Round table moderated by Germán Cáceres, Corissa Miller and María de la Puente Arévalo</b>	



**Afternoon (15:00 - 17:00) Chair: Dr. Germán Cáceres Garrido**

<p><b>Keynote</b> 15:00-15:20</p>	<p><b>A. Meyer and Dr. C. Faverjon</b> <i>Ausvet Europe</i></p>	<p>Compartmentalization as a tool for improved resilience to TADs introduction: a case study.</p>
<p><b>Keynote</b> 15:20-15:40</p>	<p><b>Dr. A. Murray</b> <i>DVM, MPVM, PhD</i> <i>Supervising Veterinarian</i> <i>California Department of Food and Agriculture, United States</i></p>	<p>Continuity of Business during Transboundary Animal Diseases – Lessons Learned from California’s Implementation of the Secure Food Supply Program.</p>
<p>15:40-15:50</p>	<p><b>Dr. A.Rivera</b> <i>Pan American Center for Foot-and-Mouth Disease and Veterinary Public Health (PANAFTOSA-PAHO/WHO)</i></p>	<p>Control of an outbreak of foot and mouth disease in Colombia 2017-2018, lessons learned.</p>
<p>15:50-16:00</p>	<p><b>Dr. G. Savioli,</b> <i>Veterinary Officer</i> <i>Swiss Armed Forces</i></p>	<p>A methodology to estimate indirect costs associated with a possible outbreak of TADs in Switzerland.</p>
<p>16:00-16:10</p>	<p><b>Dr. D. Bickett-Weddle</b> <i>Associate Director</i> <i>Center for Food Security and Public Health (CFSPH), Iowa State University</i></p>	<p>Secure food supply planning in the U.S.-continuity of business during a transboundary livestock disease outbreak.</p>
<p>16:10-16:20</p>	<p><b>Dr. K. Mintiens</b> <i>European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</i></p>	<p>Impact of on-farm biosecurity level in pig herds on the spread and control of foot and mouth disease.</p>
<p>16:20-16:50</p>	<p><b>Round table</b> moderated by <b>Germán Cáceres Bouda Ahmadi</b> and <b>María de la Puente Arévalo</b></p>	



17 December Official closure

17:00 – 17:15

	<b>Dr. F. Rosso,</b> <i>Deputy Executive Secretary. European Commission for the Control of Foot-and-Mouth Disease (EuFMD)</i>	Opening
	<b>Dr E. Brocchi</b> <i>Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (IZSLER)</i>	A multiplex lateral flow device for on-field identification and serotyping of FMD virus
	<b>Dr. K. Sumption,</b> <i>Chief Veterinary Officer FAO, Executive Secretary EuFMD</i>	End of Session Remarks
	<b>Dr. F. Rosso</b>	Conclusion and upcoming events

**Poster sessions** Visit the virtual area or the website [www.eufmdvirtual.com](http://www.eufmdvirtual.com)

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