

## WORKSHOPS

Evaluating the epidemiological and economic impact of control options for cross-border spread of foot-and-mouth disease in EU countries using the EuFMDiS simulation model.

Session organisers: **Koen Mintiens, Graeme Garner, Maria de la Puente, Richard Bradhurst and Shankar Yadav**

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Microbiome data analysis for veterinary epidemiologists

Session organisers: **Annelies J.G. Kers and Egil A. J. Fischer**

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Mortality rate ratio's: Challenges and solutions when calculating cattle mortality

Session organisers: **Inge Santman-Berends and Gerdien van Schaik**

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Participatory epidemiology in veterinary medicine – powerful methods to include social aspects into research

Session organisers: **Katja Schulz and Kerli Mõtus**

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Extraction of medical terms from non-structured (textual) data from online news and social media

Session organisers: **Mathieu Roche, Rémy Decoupes and Roberto Interdonato**

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Exploring drivers of change in Antimicrobial Usage (AMU) through participatory methods

Session organisers: **Flavie Goutard, Chloé Batié, daouda Kassié, Dinh Bao Truong, Aurélie Binot, Theethawat Uea-Anuwong, Mariline Poupaud, Vannaphone Phouthana, Nguyen Thi Dien, and Marion Bordier**

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**Conference organised by**

Timothée Vergne  
on behalf of SVEPM



SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE  
2021 ANNUAL CONFERENCE  
WEDNESDAY 24TH MARCH – FRIDAY 26TH MARCH 2021  
Online

### Wednesday 24 March 2021

14.00 – 17.00

#### Workshops

- Workshop 1:** Evaluating the epidemiological and economic impact of control options for cross-border spread of foot-and-mouth disease in EU countries using the EuFMDiS simulation model
- Workshop 2:** Microbiome data analysis for veterinary epidemiologists
- Workshop 3:** Mortality rate ratio's: Challenges and solutions when calculating cattle mortality
- Workshop 4:** Participatory epidemiology in veterinary medicine – powerful methods to include social aspects into research
- Workshop 5:** Extraction of medical terms from non-structured (textual) data from online news and social media
- Workshop 6:** Exploring drivers of change in Antimicrobial Usage (AMU) through participatory methods

### Thursday 25 March 2021

**Session 1:**


**Chair: Marie McIntyre**

09.30 – 10.20 **Edmunds**

#### Opening of the Conference

**Session 2:**

**Chair: Timothée Vergne**

10.30 – 10.55 **Kim** 

10.55 – 11.20 **Bergmann** 

11.20 – 11.45

#### African Swine Fever

- Transmission dynamics of African swine fever virus in Korea in 2019
- Participatory risk mapping of African Swine Fever outbreaks in Europe


#### **COFFEE BREAK WITH POSTER VIEWING & INTERACTIONS**

**Session 3:**

**Chair: Marnie Brennan**

11.45 – 12.10 **Kjær**

12.10 – 12.35 **Chakraborty**

12.35 – 13.00 **Bauzile** 


13.00 – 14.00


#### Avian Influenza


- Spatial patterns of avian influenza in wild birds from Denmark, 2006-2020
- Inferring epidemic dynamics of H5N8 highly pathogenic avian influenza in France (2016-17) integrating epidemiological and viral genomic data within a Bayesian framework
- Unraveling direct and indirect contact patterns of French duck farms using multilayer network analyses

#### **LUNCH BREAK WITH POSTER VIEWING & INTERACTIONS**

**Session 4:**  
**Chair: Philip Robinson**

14.00 – 14.25 **Thompson** 

14.25 – 14.50 **Kulkarni** 

14.50 – 15.15 **Yue** 

15.15 – 15.40

**Session 5:**  
**Chair: Luís Pedro Carmo**

15.40 – 16.05 **Van Roon** 

16.05 – 16.30 **Brock**


16.30 – 16.55 **Özcelik**

16.55 – 17.20

**Friday 26 March 2021**

**Session 6:**  
**Chair: David Brodbelt**

09.30 – 09.55 **McLaughlin**

09.55 – 10.20 **Hesp** 

10.20 – 10.45

**Session 7:**  
**Chair: Fernanda Dórea**

10.45 – 11.10 **Ezanno**

11.10 – 11.35 **Warembourg**

11.35 – 12.00 **Taylor**

12.00 – 13.00

**Dairy cow productivity**

Randomised control trial shows space allowance increases milk production and changes behaviour of housed dairy cows

Survival analysis to study replacement strategy of Dutch dairy farmers over 10 years with varying agricultural policies

Modelling the dynamics of herd performance associated with new introduction of bovine viral diarrhoea virus based on 10 years of Dutch field data

**COFFEE BREAK WITH POSTER VIEWING & INTERACTIONS**

**Policy support**

Confidence of freedom of infection with BVDV in several European countries: application of the STOC free model

A data-driven modelling framework to support decision making under the new EU animal health law

Investigating opportunities for and challenges towards establishing community-based surveillance of equines in Switzerland

**POSTER VIEWING & INTERACTIONS**

**AMR surveillance**

Monitoring antimicrobial resistance at a farm level in dairy

Assessing the diagnostic accuracy and benefits of whole genome sequencing to monitor antimicrobial resistance in livestock

**COFFEE BREAK WITH POSTER VIEWING & INTERACTIONS**

**Drivers of disease spread**

Movement rewiring among relevant herd statuses to control paratuberculosis at a regional scale

Social contact networks of free-roaming domestic dogs: what are the driving factors?

Exploring environmental drivers for canine leptospirosis in Great Britain

**LUNCH BREAK WITH POSTER VIEWING & INTERACTIONS**

**Session 8:**  
**Chair: Damien Barrett**

13.00 – 13.25 **Santman-Berends**

13.25 – 13.50 **Redfern**

13.50 – 14.15 **Ferchiou**

14.15-14.40

**Session 9:**  
**Chair: Gerdien van Schaik**

14.40 – 15.05 **Rawlins**

15.05 – 15.30 **Doidge**

15.30 – 15.55

**Session 10:**  
**Chair: Marie McIntyre**

15.55 – 16.45 **Fourichon**

16.45 – 17.20



*SRUC presenter is in the contest for the award for best presentation by an early career scientist. The award is sponsored by Scotland's Rural College.*

**The annual general meeting will be held on Tuesday 30<sup>th</sup> March from 11am to 12:30pm CET.**

**Decision support for dairy herds**

Evaluating the association between calf mortality and implementation of data-driven tools to improve calf rearing in Dutch dairy herds

Investigating the advisor and farmer relationships that influence dairy cow health and welfare in the transition period before and after calving

Marginal cost of modifying reproduction management reasoning to define an optimal herd management strategy

**COFFEE BREAK WITH POSTER VIEWING & INTERACTIONS**

**Small ruminants**

Financial impact of sheep and goat pox and economic viability of vaccination for subsistence farmers in selected states of Northern Nigeria

Applying grounded theory and natural language processing to understand farmers' decision making around prophylactic antibiotic use in lambs

**COFFEE BREAK WITH POSTER VIEWING & INTERACTIONS**

**The Gareth Davies Lecture**

Controlling infectious diseases: how does the interplay between field problems and epidemiological research lead to success

Award announcements and closing of the Conference

*For further information, please contact:  
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