

WORKSHOPS

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Data mining and machine learning: What's their relevance to a veterinary epidemiologist?

Session organisers: **Crawford Revie and Nanda Dórea**
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Conducting an epidemiological investigation during a multi-country infectious disease outbreak

Session organisers: **Dirk Pfeiffer and others**
E-mail: dpfeiffer@rvc.ac.uk

Introduction to several methods for detecting temporal anomalies in epidemiological surveillance

Session organisers: **Jean-Baptiste Perrin and others**
E-mail: jean-baptiste.perrin@agriculture.gouv.fr

Basic epidemiological concepts

Session organisers: **Peter Cripps and Kenton Morgan**
E-mail: pcripps@liv.ac.uk

The economics of animal health impact assessment

Session organisers: **Jonathan Rushton and others**
E-mail: jrushton@rvc.ac.uk

One health on the move

Session organiser: **James Zingeser**
E-mail: James.Zingeser@fao.org

Conference organised by

Beatriz Martínez-López and Raquel Vargas Alvarez on behalf of SVEPM



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**SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE
MEDICINE**
2013 ANNUAL CONFERENCE
WEDNESDAY 20TH MARCH – FRIDAY 22TH MARCH 2013
Madrid, Spain

Programme for the 2013 SVEPM Annual Conference

Wednesday 20th March 2013

09.00 – 12.00

Workshop 1:

Workshops

Data mining and machine learning: What's their relevance to a veterinary epidemiologist?

Workshop 2:

Conducting an epidemiological investigation during a multi-country infectious disease outbreak

Workshop 3:

Introduction to several methods for detecting temporal anomalies in epidemiological surveillance

Workshop 4:

Basic epidemiological concepts

Workshop 5:

The economics of animal health impact assessment

Workshop 6:

One health on the move

12.30 – 13.30

LUNCH

13.30 – 13.45

Opening of the conference

Session 1:

Plenary Lecture

Chair: Tim Parkin

13.45 – 14.45

Professor José Manuel Sánchez-Vizcaíno, University Complutense of Madrid

The Spanish experience on the control and eradication of infectious diseases: from the old to the current system

14.45 – 15.30

TEA & POSTERS

Session 2:

Foot and Mouth Disease

Chair: Hans-Hermann Thulke

15.30 – 16.00

Halasa

Decisions on foot-and-mouth disease control informed by model predictions

16.00 – 16.30

Mardones

Comparative assessment of ecological factors associated with reporting of foot and mouth disease outbreaks in endemic regions

Session 3:

Disease Transmission/Control

Chair: Kristien Verheyen

16.30 – 17.00

Nicolas

Specific cattle exchange practices and vector-based transmission shape RVFV circulation in Madagascar highlands

17.00 – 17.30

Martínez-López

Use of multilevel models to evaluate risk factors at the wildlife-domestic interface for bovine tuberculosis in South-Central Spain

18.30 – 19.15

DRINKS RECEPTION

19:30 – 20:30

REINA SOFIA MUSEUM TOUR

20.30

DINNER AT 'POSADA DE LA VILLA'

Thursday 21st March 2013

Session 4:

Chair: Ann Lindberg

- 08.30 – 09.00 **Brouwer/ Temple** Mapping the distribution of *Echinococcus granulosus* in Wales and Great Britain
- 09.00 – 09.30 **Dewé** *Coxiella burnetii* in small ruminants: assessing the public health risk
- 09.30 – 10.00 **Dorado García** Determinants for persistent livestock-associated MRSA carriage in veal calf farmers and their family members

10.00 - 10.30

COFFEE & POSTERS

Session 5:

Chair: Koen Mintiens

- 10.30 – 11.00 **Dupuy** Using bovine meat inspection data for syndromic surveillance: innovative statistical approach for defining syndromes
- 11.00 – 11.30 **Dórea** Syndromic surveillance in veterinary medicine using laboratory submission data – lessons learned from two systems
- 11.30 – 12.00 **Fourichon** Syndromic surveillance in dairy cattle: development of indicators and methods based on reproduction data for early detection of emerging diseases

12.00 – 13.15

ANNUAL GENERAL MEETING

13.15 – 14.15

LUNCH

Session 6:

Open Session

Chair: Liza Rosenbaum Nielsen

- 14.15 – 14.45 **Jewell** Bayesian epidemic risk prediction – knowledge transfer and usability at all levels
- 14.45 – 15.15 **McIntyre** What, where and weather? Integrating open-source taxonomic, spatial and climatologic information into a comprehensive database of livestock infections
- 15.15 – 15.45 **Gonggrijp** The impact of Q-fever control measures: a quantitative value chain analysis of Dutch dairy goat products

15.45 – 16.15

TEA & POSTERS

Session 7:

Chair: Marnie Brennan

- 16.15 – 16.45 **Rooney** A cross-sectional study of *Sarcocystis spp.* in llamas (*Lama glama*) in Southern Bolivia including an economic costing of loss in income caused by the disease
- 16.45 – 17.15 **O'Neill** Canine chronic kidney disease in UK veterinary practices: prevalence, risk factors and survival
- 17.15 – 17.45 **Pascual** Evaluation of the spatial and temporal distribution and risk factors of the Bluetongue serotype 1 (BTV-1) epidemic in Extremadura (Spain) in sheep from 2007 to 2011

18.00 – 19.00

POSTER TOURS

20:00

DRINKS RECEPTION AND ANNUAL CONFERENCE DINNER AT THE PALACE HOTEL

Friday 22nd March 2013

Session 8:

Chair: Rob Christley

- 09.00 – 09.30 **Alarcon** Farmers' perceptions, attitudes, influences and management of information in the decision-making process for disease control
- 09.30 – 10.00 **Lupo** Oyster farmers' perception of spat mortality outbreaks: more a firm than a farm issue
- 10.00 – 10.30 **Tornimbene** Understanding knowledge, attitude and practices (KAPs) of Cambodian swine producers on PRRS and related control options, during disease absence and outbreak events

10.30 – 11.00

COFFEE & POSTERS

Session 9:

Chair: Christine Fourichon

- 11.00 – 11.30 **Hall** An approach to evaluating the reliability of diagnostic tests on pooled groups of infected individuals
- 11.30 – 12.00 **Ward** Bayesian network modelling of biosecurity perceptions, practice and infection in the 2007 equine influenza outbreak in Australia

Session 10:

Chair: Tim Parkin

12:00 – 13:00

Professor Andreas Hensel, President of the Federal Institute for Risk Assessment, Berlin

The Gareth Davies Lecture

Dioxins, EHEC and strawberries: Risk assessment and risk communication in practice

13.00 – 13.15

Close of the Conference

13.15 – 14.00

BUFFET LUNCH

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