WORKSHOPS

CONFIDENTLY INTERPRETING CONFIDENCE INTERVALS USING CONFIDENCE INTERVAL FUNCTIONS
Locksley Messam
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RISK ASSESSMENT WITH R AND QUANTRRA
Pablo Gomez-Vazquez and Beatriz Martinez-Lopez
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ECOLOGICAL NICHE MODELLING AND RISK MAPPING WITH MAXENT
Kim Stevens
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GAMIFICATION IN EDUCATION OF VETERINARY EPIDEMIOLOGY – THE OUTBREAK INVESTIGATION GAME
Arvo Viltrop
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GENOMIC CLUES TO EPIDEMIC STORIES: EXPLORING DISEASE DUNAMICS WITH PHYLODYNAMICS
Claire Guinat
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INTERACTIVE AND SOCIAL LEATNING APPLIED TO ONE HEALTH CHALLENGES: WHEN AND HOW TO USE THEM?
Helena De Carvalho Ferreira, Fanny Baudoin and Ilias Chantziaras
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Conference organised by
Jenny Frössling and team on behalf of SVEPM

SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE
2024 ANNUAL CONFERENCE
WEDNESDAY 20th MARCH – FRIDAY 22nd MARCH 2024
UPPSALA, SWEDEN

WEDNESDAY 20TH MARCH 2024

09.30 – 12.00		**WORKSHOPS**

Workshop 1:	Confidently interpreting confidence intervals using confidence interval functions
Workshop 2:	Risk assessment with R and QuantRRA
Workshop 3:	Ecological niche modelling and risk mapping with Maxent
Workshop 4:	Gamification in education of veterinary epidemiology – the Outbreak Investigation Game
Workshop 5:	Genomic clues to epidemic stories: exploring disease dynamics with phylodynamics
Workshop 6:	Interactive and social learning applied to one health challenges: when and how to use them?

12.00 – 13.00		LUNCH

Session 1   **OPENING OF THE CONFERENCE**
Chair: Dave Brodbelt

13.00 – 14.00	**Keynote**	**Dr Thomas Schön, Uppsala University** On the state of machine learning research - where are we today

Session 2   **SURVEILLANCE**
Chair: Katja Schulz

14.00 – 14.25	**Delecroix**	The value of multivariate indicators of resilience in early warning for infectious disease outbreaks: a West Nile Virus case study
14.25 – 14.50	**Hayes***	Optimizing surveillance strategies of highly pathogenic avian influenza in live bird markets across southeast Asia
14.50 – 15.05		5 x 2-minute poster pitches
15.05 – 15.45		COFFEE / TEA & POSTER VIEWING

Session 3   **CATTLE**
Chair: Luis Carmo

15.45 – 16.10	**Paarlberg***	Elevating youngstock rearing practices: insights from KalfOK data and farmer perspectives in the Netherlands
16.10 – 16.35	**Paucar-Quishpe***	Adaptive farming strategies after chemical control failure: a cross-sectional study in subtropical Ecuadorian dairy farms
16.35 – 17.00	**Eyango Tabi***	Deep mechanistic model: Integrating deep learning and stochastic mechanistic approaches for Bovine Respiratory Diseases diagnosis and epidemiological forecasting
17.00 – 17.15		5 x 2-minute poster pitches
17.15 – 18.00		POSTER VIEWING
19.30		WELCOME RECEPTION

Session 4
Chair: Carla Gomes

<u>**BIOSECURITY**</u>

09.00 – 09.25 **Glavind**   Is the health poor in finishing pig herds assigned a Yellow Card?

09.25 – 09.50 **Moya***   ˜Implementation of bio...what?": Subjectivities of farm workers between conflicts with and instructions from farmers on dairy cattle farms

09.50 – 10.05   5 x 2–minute poster pitches

10.05 - 10.30   COFFEE / TEA & POSTER VIEWING

Session 5
Chair: Timothée Vergne

<u>**ECONOMICS**</u>

10.30 - 10.55 **Mendes***   An epidemiological-economic modelling framework to estimate production losses attributable to livestock brucellosis in endemic settings and the potential benefits of disease control

10.55 - 11.20 **Duarte**   Cost evaluation of the implementation of biosecurity measures in dairy farms

11.20 – 11.35   5 x 2-minute poster pitches

11.35 – 13.00   ANNUAL GENERAL MEETING

13.00 – 14.00   LUNCH

Session 6
Chair: Egil Fischer

<u>**INTERVENTION EVALUATION**</u>

14.00 – 14.25 **Savagar***   Modelling the impact of heterogeneity in small ruminant populations on peste des petits ruminants virus (PPRV) transmission and the effectiveness of vaccination for eradication.

14.25 – 14.50 **Chang***   A multi-host and multi-route transmission model to assess the effect of control measures on bTB dynamics in Ireland

14.50 – 15.15 **Rasmussen**   Can the Danish Veterinary Authorities meet their key performance indicator targets in the event of a foot-and-mouth disease outbreak?

15.15 – 15.30   5 x 2-minute poster pitches

15.30 – 16.15   COFFEE / TEA & POSTERS

Session 7
Chair: Fernanda Dórea

<u>**DISEASE TRANSMISSION**</u>

16.15 – 16.40 **Machado**   Analyzing the intrastate and interstate swine movement network in the United States

16.40 – 17.05 **Conrady**   Impacts of cattle movement network activities on the spread of Salmonella Dublin between cattle farms in Denmark between 2010 and 2020

17.05 – 17.30 **Guinat**   Exploring density and distance effects on H5N8 spread in Southwestern France using a Bayesian phylodynamic framework

17.30 – 18.00   POSTER VIEWING

19.30 - late   ANNUAL CONFERENCE DINNER

Friday 22ND March 2023

Session 8
Chair: Philip Robinson

<u>**ZOONOSES**</u>

09.25 – 09.50 **De Wit**   Uncovering mechanisms behind the spatial-temporal emergence of Usutu virus in the Netherlands

09.50 – 10.15 **Desvars-Larrive**   Zoonoses in Austria: a comprehensive assessment based on published literature, 1975-2022.

10.15 – 10.45   COFFEE / TEA & POSTERS

Session 9
Chair: Locksley Messam

<u>**RISK QUANTIFICATION**</u>

10.45 – 11.10 **Allen**   Risk factors for race-related fatality in jump racing Thoroughbreds in Great Britain (2010-2023)

11.10 – 11.35 **Fabri**   Risk factors for the introduction of Salmonella spp. in dairy herds

11.35 – 12.00 **Olsen**   Quantifying human toxoplasmosis risk from pork consumption in Denmark: A conceptual framework for tissue cyst-based analysis

Session 10
Chair: Dave Brodbelt

<u>**THE GARETH DAVIES LECTURE**</u>

12.00 – 12.45   **Dr Lis Alban, Danish Agriculture and Food Council**
The Danish model for collaboration in animal health and food safety

12.45 – 13.00   CLOSE OF THE CONFERENCE

13.00 – 14.00   TAKE AWAY LUNCH

* The 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.

For further information, please contact:
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Uppsala, Sweden
20th March – 22nd March 2024