

ISESSAH 2023 preliminary scientific programme

Conference venue: Viikki campus, Latokartanonkaari 9, Helsinki, Finland ([Map](#))

Tuesday, June 13th, 2023

11:00-	Registration desk open
13:00-	Welcome & opening the conference
14:30	Session 1: Experimental economics and stakeholder behaviour <i>Lecture hall B1</i>
13:15	Invited talk: Exploring the Potential of Experimental Economics to Improve Animal Health Outcomes: Recent Advances and Future Directions <i>Jens Rommel, Associate Professor at Decision-making and Managerial Behavior research group, Department of Economics, Swedish University of Agricultural Sciences, Sweden</i>
13:45	Psychosocial factors associated with farmer behaviour in a disease epidemic <i>Naomi S. Prosser¹, Edward M. Hill^{2,3}, Paul E. Brown^{1,4}, Jasmeet Kaler¹, Eamonn Ferguson^{5,6}, Michael J. Tildesley^{2,3}, Matt Keeling^{2,3}, Martin J. Green¹</i> <i>¹School of Veterinary Medicine and Science, University of Nottingham, United Kingdom, ²The Zeeman Institute for Systems Biology and Infectious Disease Epidemiology Research, School of Life Sciences and Mathematics Institute, University of Warwick, United Kingdom, ³Joint UNiversities Pandemic and Epidemiological Research, ⁴Bioinformatics Research Technology Platform, University of Warwick, United Kingdom, ⁵School of Psychology, University Park, University of Nottingham, United Kingdom, ⁶National Institute for Health and Care Research Blood and Transplant Research Unit in Donor Health and Behaviour, University of Cambridge, United Kingdom</i>
14:00	Assessing hunters' participation in zoonotic diseases surveillance using an experimental game <i>Aude Pouliquen¹, Gilles Aurélien Boupana Mapeyi¹, Hadrien Vanthomme², Marie-Marie Olive¹, Daniel Cornelis², Sebastien Lebel², Gael Darren Maganga³, Marisa Peyre¹, Alexis Delabougise¹</i> <i>¹CIRAD, UMR ASTRE, France, ²CIRAD, UMR Forêts et Sociétés, France, ³Centre Interdisciplinaire de Recherche Médicale de Franceville, Gabon</i>
14:15	Information asymmetry and its influence on consumer perceptions for farm animal health and welfare <i>Maria Rodrigues, Nicholas Hanley, University of Glasgow, United Kingdom</i>
14:30-	
15:00	Coffee break
15:00-	Parallel session 2A: Perspectives to veterinary work
16:15	<i>Lecture hall B1</i>
15:00	The MAP (motivation, action, prompts) Model: A tool to structure behaviour change conversations on farm, <i>Alison M.G. Burrell¹, Laura Gribben², Áine Regan³, Moira Dean¹</i> <i>¹Animal Health Ireland, Ireland, ²Queen's University Belfast, United Kingdom ³Teagasc, Ireland</i>
15:15	Implementing a National Veterinary Prescribing Champion Programme for Welsh Veterinary Practices: Arwain DGC <i>Gwenllian Rees, Aberystwyth University, Wales</i>
15:30	Solving dilemmas during the annual health check-up in French organic dairy farming: an analysis of vet activity through video-recording and self-confrontation

Florence Bonnet-Beaugrand¹, Nathalie Bareille¹, Julie Duval², Jeanne Gautier¹, Nathalie Girard³, Lucie Gouttenoire², Raphaël Guatteo¹, Marion Guillot², François Johanny², Claire Masson⁴, Lorène Prost⁵, Anaïs Loizon⁴

¹Oniris & INRAE, BIOEPAR, France, ¹Université Clermont Auvergne, AgroParisTech, INRAE, VetAgro Sup, UMR Territoires, France, ³INRAE, UMR AGIR, France, ⁴UR FOAP, Agrosup Dijon, France, ⁵INRAE, UMR SADAPT & AgroParisTech, France

15:45 **The configuration of the "ideal veterinarian": Individual and collective embodied skills of veterinarians focusing on French poultry production**

Sebastian Moya¹, Gareth Enticott², Mathilde Paul¹

¹INRAE, France, ²Cardiff University, United Kingdom

16:00 **Are veterinary students ready to use antibiotics? – A Swedish perspective**

Therése Granlund¹, Ulf Emanuelson¹, Isabel Blanco-Penedo^{1,2}, Gabriela Olmos Antillón¹

¹Veterinary Epidemiology Unit, Department of Clinical Sciences, Swedish University of Agricultural Sciences, Sweden, ²Department of Animal Sciences, Universidad de Lleida, Spain

15:00- Parallel session 2B: Technology

16:15 Lecture hall B2

15:00 **Building on the old foundations - prospects for digitalization of cattle health sector,**

Ants-Hannes Viira¹, Martin Kukk¹, Hardi Tamm², Anne Pöder², Pekka Kilpeläinen³, Tuija Kallio³, Elisa Tikkanen³, Per-Ola Ulvenblad⁴, Pia Ulvenblad⁴, Henrik Barth⁴, Natascha Schlereth⁵, Getachew Abate Kassa⁵

¹Estonian University of Life Sciences, Estonia, ²Estonian Dairy Cluster, Estonia, ³University of Oulu, Finland, ⁴Halmstad University, Sweden, ⁵Technical University of Munich, Germany

15:15 **AMU recording on Irish dairy farms: barriers & facilitators to using technology**

Hannah Martin, Laura Gribben¹, Alison Burrell², Aine Regan³, Conor McAloon¹

¹School of Veterinary Medicine, University College Dublin, Ireland, ²Institute for Global Food Security, School of Biological Sciences, Queen's University Belfast, United Kingdom, ³Animal Health Ireland, Ireland, ⁴Department of Agri-food Business & Spatial Analysis, Teagasc, Ireland

15:30 **Farmers' perspective to Precision Livestock Farming system innovations that can support animal health management**

Caspar Krampe¹, Jordi Serratos², Jarkko K. Niemi³, Paul T. M. Ingenbleek¹

¹Marketing and Consumer Behaviour Group, Department of Social Science, Wageningen University and Research, The Netherlands, ¹Research Park Universitat Autònoma de Barcelona, Universitat Autònoma de Barcelona, Spain, ³Bioeconomy and Environment, Natural Resource Institute Finland (Luke), Finland

15:45 **Economic and welfare trade-offs with sub-optimal mobility classification algorithms**

Francis Edwardes, Mariska van der Voort, Henk Hogeveen

Business Economics Group, Department of Social Sciences, Wageningen University and Research, the Netherlands

16:00 **Economic efficiency of using sensing technologies to monitor the welfare of growing pigs**

Anna H. Stygar¹, Matti Pastell¹, Pol Llonch², Eddie A.M. Bokkers³, Jacinta D. Bus³, Iris. J.M.M. Boumans³, Lene Juul Pedersen⁴, Jarkko K. Niemi¹

¹Natural Resources Institute Finland (Luke), Finland, ²Universitat Autònoma de Barcelona, Spain, ³Animal Production Systems Group, Wageningen University and Research, the Netherlands, ⁴Department of Animal Science, Aarhus University, Denmark

16:00- Break
16:15

Session 3: Flash presentations & poster session

16:30-17:00	Flash presentations (poster and 3 minutes short presentation on the stage) <i>Lecture hall B1</i>
1	Estimating the cost of Asian Seabass (<i>Lates calcarifer</i>) on marine cage culture that include costs of oral vibriosis vaccination, <i>Norhariani Mohd Nor, Arbania binti Ali, Jumria binti Sutra, Ina Salwany Md. Yassin, Mohammad Noor Amal Azmai and Siti Hajar Mohd Yazid</i> <i>Aquatic Animal Health and Therapeutics Laboratory (Aquahealth), Institute of Bioscience, Universiti Putra Malaysia, Malaysia.</i>
2	Exploring perceptions of and attitudes towards Bluetongue disease: A multi-stakeholder interview study <i>Ursula Kenny¹, June Fanning², Damien Barrett²</i> <i>¹Teagasc, Ireland, ²Department of Agriculture, Food and the Marine, Ireland,</i>
3	Through the lens of social science: why some people do not seek post-exposure prophylaxis after being bitten by dogs <i>Anuwat Wiratsudakul¹, Jitjayang Yamapai², Patoo Cusripituck², Theerawan Mingbualuang², Nareerat Sangkachai¹, Wimwiga Sakchainanon³, Chanatda Tungwongjulaniam³, Onphirul Yurachai³, Ratana Theerawat³</i> <i>¹Faculty of Veterinary Science, Mahidol University, Thailand, ²Research Institute for Languages and Cultures of Asia, Mahidol University, Thailand, ³Division of Communicable Diseases, Department of Disease Control, Ministry of Public Health, Thailand</i>
4	The impact of Peste des Petits Ruminants in smallholder systems of Nigeria, <i>Ladi Chabiri¹, Victoria Isioma Ifende², Muhammad Bashir Bolajoko², Joshua Kachiro³, Mathew Gukut², Usman Rayyanu², Mayowa Olabode², Nengak Gokir Ishaku³, Andrea Apolloni³, Abdrahmane Wane⁵, Rebecca Weka¹, Chika Nwosuh¹, Thomas Duniya Bidoli³, Marion Bordier⁴, Alexis Delabougli⁴</i> <i>¹National Veterinary Research Institute, Nigeria, ²National Veterinary Research Institute, Nigeria, ³National Agricultural Extension and Research Liaison Service, Nigeria, ⁴CIRAD, UMR ASTRE, France, ⁵International Livestock Research Institute, Kenya</i>
5	The economic impact of Peste des Petits Ruminants in Central Anatolia region of Turkey, <i>Işık Erşan¹, Engin Sakarya², Arzu Peker²</i> <i>¹Ministry of Agriculture and Forestry General Directorate of EU and External Relations, Turkey, ²Department of Animal Health Economics and Management, Faculty of Veterinary Medicine, Ankara University, Turkey</i>
6	Behavioral adaptations to handle mastitis outbreaks in dairy production <i>Nina Lind¹, Suvi Kokko¹, Catarina Svensson², Helena Hansson¹, Ulf Emanuelson², Carl Johan Lagerkvist¹</i> <i>¹Department of Economics, Swedish University of Agricultural Sciences, Sweden, ²Department of Clinical Sciences, Swedish University of Agricultural Sciences, Sweden</i>
7	Farmers' Knowledge, Attitudes, and Practices Regarding the Best Management Practices in Shrimp Farming in Sri Lanka <i>M.N.D.F Abeykoon¹, Keisuke Kato¹, Sajiki Takahiro², Hiroichi Kono³.</i> <i>¹Obihiro University of Agriculture and Veterinary Medicine, Graduate School of Animal and Veterinary Sciences and Agriculture, Japan, ²Japan Fisheries Research and Education Agency, Fisheries Technology Institute, Japan, ³Obihiro University of Agriculture and Veterinary Medicine, Department of Agro-environmental Science, Japan</i>
8	Value extraction dynamics and zoonotic disease risks: Roles, practices, and relations along poultry production and distribution networks in Bangladesh <i>Ivo Syndicus¹, Nusrat Irin², Abdullah Al Sattar², Afsana Sultana^{2,3}, Shahriar Saif^{2,3}, Meherjan Islam², Easrat Jahan Esha², Syeda Munira Dilshad², Fatema Jannat², Mahmudul Hasan³, Md Helal Uddin³, Jinnat Ferdous⁴, Mahabub Alam², Md Abdus Samad³, Joerg Henning⁴, Pablo Alarcon¹, Guillaume Fournie^{1,5}, Rashed Mahmud², Md Ahasanul Hoque², Tony Barnett¹</i>

¹Royal Veterinary College, United Kingdom, ²Chattogram Veterinary and Animal Sciences University, Bangladesh, ³Bangladesh Livestock Research Institute, Bangladesh, ⁴University of Queensland, Australia, ⁵National Research Institute for Agriculture, Food and Environment (INRAE), France

17:00-18:00	Posters <i>Building A, lobby</i>
1	<p>Class-differentiated restriction of therapeutic antibiotics and farmers economic performance: Evidence from Denmark <i>Yechale Getu Endalew, Jørgen Dejgård Jensen, Dagim Belay</i> <i>University of Copenhagen, Denmark</i></p>
2	<p>Knowledge, attitude and behaviour of Dutch dairy farmers regarding reproductive hormone use. <i>A. Wicaksono^{1,2}, B. van den Borne^{1,3}, W. Steeneveld⁴, T. van Werven^{4,5}, H. Hogeveen¹</i> ¹Business Economics Group, Department of Social Sciences, Wageningen University and Research, the Netherlands, ²Veterinary Public Health and Epidemiology Division, School of Veterinary Medicine and Biomedical Sciences, IPB University, Indonesia, ³Quantitative Veterinary Epidemiology Group, Department of Animal Sciences, Wageningen University and Research, the Netherlands, ⁴Faculty of Veterinary Medicine, Department of Population Health Sciences, Section Farm Animal Health, Utrecht University, the Netherlands, ⁵University Farm Animal Practice, the Netherlands</p>
3	<p>Rural farmers knowledge, attitudes and practice towards theileriosis prevalence and control in Mhondoro Ngezi Zimbabwe <i>Shelton M Nhokwara¹, Hiroichi Kono², Satoko Kubota², Mark Jubekanda³</i> ¹Doctor Program of Animal Science and Agriculture, Obihiro University of Agriculture and Veterinary Medicine, Japan; ²Department of Agro-environmental Science, Obihiro University of Agriculture and Veterinary Medicine, Japan; ³Department of Veterinary Services, Ministry of Lands, Agriculture, Fisheries, Water, Climate and Rural Development, Zimbabwe</p>
4	<p>Perceptions of commercial and household pigkeepers regarding African swine fever and the control measures in Estonia and Ukraine – a participatory approach <i>Lidiia Moskalenko¹, Katja Schulz², Vitalii Nedosekov³, Kerli Mõtus¹, Arvo Viltrop¹</i> ¹Estonian University of Life Science, Institute of Veterinary Medicine and Animal Sciences, Estonia, ²Friedrich-Loeffler-Institut (FLI), Institute of Epidemiology, Germany, ³National University of Life and Environmental Sciences of Ukraine, Ukraine</p>
5	<p>A Co-Creation model to find actionable solutions to One Health challenges <i>Martin Heilmann¹, Amira Abdelnabi², Lina Abdalla², Stephen Gikonyo³, Tabitha Kimani³, Joy Kiplamai³, Orsolya Mikecz¹, Frank Mubiru⁴, Gerald Nizeyimana⁴, Damian Tago Pacheco⁵, Ugo Pica-Ciamarra¹</i> ¹Food and Agriculture Organization (FAO), Italy, ²Emergency Centre for Transboundary Animal Diseases / Food and Agriculture Organization of the United Nations (FAO), Egypt, ³Food and Agriculture Organization (FAO), Kenya, ⁴Food and Agriculture Organization (FAO), Uganda, ⁵Regional Office for Asia and the Pacific / Food and Agriculture Organization of the United Nations (FAO), Thailand (ไทย)</p>
6	<p>The innovative side of the urban interaction among animals and human stakeholders: building a Hum-Animal smart city in Lucca <i>Giulia Granai¹, Carmen Borrelli¹, Roberta Moruzzo¹, Massimo Rovai², Francesco Riccioli¹, Chiara Mariti¹, Francesco Di Iacovo¹</i> ¹Department of Veterinary Science, University of Pisa, Italy, ²Department of Civil and Industrial Engineering, University of Pisa, Italy</p>

- 7 **Training, motivation, and feedback culture in milk production**
Michael Farre¹, Carsten Kirkeby¹, Volker Krömker¹, Erik Rattenborg², Henk Hogeveen³,
¹University of Copenhagen, Denmark, ²SEGES Innovation P/S, Denmark
³Wageningen University, the Netherlands
- 8 **Economic externality and human behaviour behind Zoonosis -A Case of Bovine Tuberculosis in Madagascar**
Hiroichi Kono¹, Tiana N. Randruanantoandro², Holy F. Ranaivorisoa², Modestine Raliniaina³,
Diana E. Andria-Mananjara³, Domoina O. Rakotomanana³
¹Obihiro University of Agriculture and Veterinary Medicine, Department of Agro-environmental Science, Japan, ²Université d'Antananarivo, Ecole Supérieure des Sciences Agronomiques, Department of Agro-Management, Madagascar, ³Centre nationale de recherche appliquée au développement rural, Département de recherche zootechnique, vétérinaire et piscicole, Madagascar
- 9 **Identification of the foodborne hazards present in food and beverages in the Kingdom of Cambodia from 2000 to 2022: a systematic literature review**
Shwe Phue San¹, Linda Nicolaides¹, Delia Grace^{1,2}, Rortana Chea³, Kristina Roesel²
¹Natural Resources Institute, University of Greenwich, England, ²International Livestock Research Institute, Kenya, ³General Directorate of Animal Health and Protection, Kingdom of Cambodia
- 10 **Socioeconomic characteristics that influence the development of dairy farms in Alto Putumayo, Colombia**
Bibiana Benavides B¹, Álvaro Dorado M², Madelyn Matabanchoy S².
¹Animal Health department, University of Nariño, Colombia, ²Psychology department, University of Nariño, Colombia
- 11 **Social network analysis and artificial Informational asymmetry: control and prevention of theileriosis in rural areas in Zimbabwe**
Shelton M Nhokwara¹, Hiroichi Kono², Satoko Kubota², Mark Jubekanda³
¹Doctor Program of Animal Science and Agriculture, Obihiro University of Agriculture and Veterinary Medicine, Japan, ²Department of Agro-environmental Science, Obihiro University of Agriculture and Veterinary Medicine, Japan, ³Department of Veterinary Services, Ministry of Lands, Agriculture, Fisheries, Water, Climate and Rural Development, Zimbabwe
- 12 **Bioeconomic stochastic model of the consequences of paratuberculosis in a typical small Slovenian herd**
Tanja Knific¹, Jörn M. Gethmann², Andrej Kirbiš², Matjaž Ocepek³
¹Institute of Food Safety, Feed and Environment, Veterinary Faculty, University of Ljubljana, Slovenia, ²Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Institute of Epidemiology, Germany, ³Institute of Microbiology and Parasitology, Veterinary Faculty, University of Ljubljana, Slovenia
- 13 **How does the commercialization of milk influence the implementation of sanitary programs in dairy farms of Alto Putumayo?**
Bibiana Benavides B¹, Álvaro Dorado M², Madelyn Matabanchoy S².
¹Animal Health department, University of Nariño, Colombia, ²Psychology department, University of Nariño, Colombia
- 14 **Impact and farmer perception of sheep and cattle endemic diseases in Great Britain**
L. Whatford¹, S. Van Winden¹, S. Payne-Gifford², R. Cooke², A. Qi², D. Barling², B. Häslér¹
¹Royal Veterinary College, United Kingdom, ²University of Hertfordshire, United Kingdom.
- 15 **A case-control study on farm factors associated with a Yellow Card in Danish pig herds with weaned piglets.**
Anne-Sofie Glavind¹, Amanda Brinch Kruse², Helle Stege²

- ¹Department of Veterinary and Animal Sciences, University of Copenhagen, Faculty of Health and Medical Sciences, Denmark
- ²Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark
- 16 **A pilot study evaluating a model for benchmarking Danish veterinarians on prescribed antimicrobials**
Amanda Brinch Kruse, Alice Puk Skarbye, Jeanette Kristensen.
Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark
- 17 **A scoping review on the impact of bovine paratuberculosis on production parameters and economic effects**
Silja Griss¹, Tanja Knific², Anne Buzzel-Hatav¹, Luís Pedro Carmo³, Gertraud Schüpbach¹, Mireille Meylan⁴, Matjaž Ocepek², Beat Thomann¹
¹Veterinary Public Health Institute, Vetsuisse Faculty, University of Bern, Switzerland,
²Veterinary Faculty, Institute of Food Safety, Feed and Environment, University of Ljubljana, Slovenia, ³Norwegian Veterinary Institute, Norway, ⁴Clinic for Ruminants, Vetsuisse Faculty, University of Bern, Switzerland
- 18 **Communal farmer's knowledge, perception and practice of foot-and-mouth disease (FMD) in the FMD control zone of South Africa**
Kibambe Daddy¹, Eric Etter^{1,2}, Petronella Chaminuka³, Alexis Delabougli⁴, Geoffrey Fosgate¹
¹Department of Production Animal Studies, Faculty of Veterinary Science, University of Pretoria, South Africa, ²Animal health Territories Risks Ecosystems ASTRE, CIRAD, CRVC- Centre for Research and surveillance on Vector-borne diseases in the Caribbean Domaine Duclos-Prise d'Eau, France, ³Agricultural Research Council, Economic Analysis Unit, South Africa, ⁴Animal health Territories Risks Ecosystems ASTRE, CIRAD, France.
- 19 **Exploring animals' keeping practices in rural households: A qualitative study in Nanoro, Burkina Faso**
Adélaïde Compaoré¹, Salla Sariola²
Institut de Recherche en Sciences de la Santé/Clinical Research Unit of Nanoro, Burkina Faso
Institute of Tropical Medicine, Belgium & Université Saint Louis-Bruxelles, Belgium
²University of Helsinki, Finland
- 20 **Biosecurity gaps in seven major poultry producers (breeder and layer farms) in EU- a farmers perspective**
Arthi Amalraj¹, Hilde Van Meirhaeghe², Rozenn Souillard³, Artur Zbikowski³, Jeroen Dewulf¹
¹Faculty of Veterinary Medicine, Ghent University, Belgium, ²Vetworks BV, Belgium, ³ANSES French Agency for Food, Environmental and Occupational Health & Safety, Epidemiology, Health and Welfare Unit, France, ⁴Warsaw University of Life Sciences, Poland
- 21 **Do the attitudes and personality of calf care workers affect calf mortality?**
Dagni-Alice Viidu¹, Eamonn Ferguson², Tanel Kaart¹, Kerli Mõtus¹
¹Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Estonia, ²School of Psychology, University of Nottingham, Nottingham, United Kingdom
- 22 **Measurement of Organizational Agility Using Fuzzy Agility Index, Case Study: Amul Saleh Dairy Company**
Ahmad Bathaei, Dalia Streimikiene
Lithuanian Centre for Social Sciences, Institute of Economics and Rural Development
- 23 **Drivers for infectious disease transmission on pig farms and its early warning: perspectives from simulation modelling**
Younjung Kim¹, Dirk Udo Pfeiffer², Pierre Nouvellet³
¹Department of Evolution, Behaviour, and Environment, School of Life Sciences, University of Sussex, UK, ²Department of Infectious Diseases and Public Health, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Hong Kong SAR & Department of Pathobiology and Population Sciences, Royal Veterinary College, UK,
³Department of Evolution, Behaviour, and Environment, School of Life Sciences, University of

Sussex, Brighton, UK & Department of Infectious Disease Epidemiology, School of Public Health, Imperial College London, UK

24 **Evaluating methodologies to explore antibiotic use on smallholding pig farms in peri-urban Kenya**

Claire Scott¹, Nicholas Bor², Irene Bueno¹, Dishon Muloi^{2,3}, Max Korir², Kristen K Reyher¹, Henry Buller⁴, Lian F Thomas^{2,5}

¹University of Bristol, ¹International Livestock Research Institute, ³University of Edinburgh,

⁴University of Exeter, ⁵University of Liverpool

25 **Biosecurity enhanced through training evaluation and raising awareness**

Alberto Allepuz¹, Ilias Chantziaras², Maria Eleni Filippitzi³, Joze Staric⁴, Jasna Prodanov⁵, Maria Rodrigues Costa⁶, Lena-Mari Tamminen⁷, Claude Saegerman⁸, Telmo Nunes⁹, Giovanna Ciaravino¹, Miroslav Kjosevski¹⁰, Tarmo Niine¹¹, Jarkko Niemi¹², Zahra Ardakani¹³

¹Universitat Autònoma de Barcelona, Spain, ²Ghent University, Belgium, ³Aristotle University of Thessaloniki, Greece, ⁴University of Ljubljana, Slovenia, ⁵Scientific Veterinary Institute "Novi Sad", Serbia, ⁶Scotland's Rural College, United Kingdom, ⁷Swedish University of Agricultural Sciences, Sweden, ⁸University of Liege, Belgium, ⁹Faculdade de Medicina Veterinária, Universidade de Lisboa, Portugal, ¹⁰Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, North Macedonia, ¹¹Estonian University of Life Sciences, Estonia,

¹²Natural Resources Institute Finland (Luke), Finland, ¹³University of Bologna, Italy

18:00- Welcome reception

19:30 Building A, lobby

Wednesday, June 14th, 2023

9:00-10:30	Session 4: Economics, modelling and biosecurity <i>Lecture hall B1</i>
9:00	Invited talk: Modelling the interplays between economic agents to better figure biosecurity actions <i>Arnaud Rault, Researcher focussing on animal health economics at Oniris, BIOEPAR (Biology, Epidemiology and Risk Analysis of Animal Health unit), National Research Institute for Agriculture, Food and Environment (INRAE), France</i>
9:30	Economic assessment of post-outbreak surveillance strategies in emergency vaccination foot-and-mouth disease outbreak control in Austria <i>Tatiana Marschik¹, Ian Kopacka², Friedrich Schmoll³, Simon Stockreiter⁴, Andrea Höflechner-Pörtl⁵, Annette Nigsch³, Annemarie Käsbohrer^{1,5}</i> <i>¹Institute of Food Safety, Food Technology and Veterinary Public Health, Unit of Veterinary Public Health and Epidemiology, University of Veterinary Medicine, Austria, ²Division for Data, Statistics and Risk Assessment, Austrian Agency for Health and Food Safety (AGES), Austria, ³Division for Animal Health, Austrian Agency for Health and Food Safety (AGES), Austria, ⁴Crisis Unit for Veterinary- and Food Safety-Related Affairs, Federal Ministry of Social Affairs, Health, Care and Consumer Protection of Austria, Austria, ⁵Unit of Animal Health and Disease Control, Border Control Service and Trade in Live Animals, Federal Ministry of Social Affairs, Health, Care and Consumer Protection of Austria, Austria, ⁵Department Biological Safety, Unit Epidemiology, Zoonoses and Antimicrobial Resistance, German Federal Institute for Risk Assessment, Germany</i>
9:45	Veterinary coaching to stimulate biosecurity compliance <i>Hilde Van Meirhaeghe¹, Arthi Amalraj², Maarten De Gussem¹, Jeroen Dewulf²</i> <i>¹Networks BV, Belgium; ²Ghent University, Belgium</i>
10:00	Economic and environmental impacts of extending dairy cattle longevity by reproductive management <i>Ruozhu Han, Akke Kok, Monique Mourits, Henk Hogeveen</i> <i>Business Economics Group, Department of Social Sciences, Wageningen University and Research, the Netherlands</i>
10:15	Improved health management reduces enteric methane emission in a cost-effective manner in a dairy herd - a herd simulation study <i>Søren Østergaard, Vivi M. Thorup, Long Chen, and Anne B. Kudahl</i> <i>Department of Animal and Veterinary Sciences, Aarhus University, Denmark</i>
10:30-11:00	Coffee break
11:00-12:15	Parallel session 5A: Farm-level modelling <i>Lecture hall B1</i>
11:00	An empirical analysis of the effect of milk quality parameters on the economic performance of smallholder dairy farms in West Java, Indonesia <i>Achmad Fadillah^{1,2}, Bart van den Borne^{1,3}, Ynte H. Schukken^{3,4}, Thomas Slijper¹, Okti Nadia Poetri⁵, Henk Hogeveen¹</i> <i>¹Business Economics Group, Wageningen University and Research, the Netherlands, ²School of Business, IPB University, Indonesia, ³Quantitative Veterinary Epidemiology, Wageningen University and Research, ⁴Royal GD, the Netherlands, ⁵Faculty of Veterinary Medicine, IPB University, Indonesia</i>
11:15	Economic comparison of intensive and extensive hormone-based fertility programs in dairy herds, <i>A. Wicaksono^{1,2}, F. Edwardes¹, W. Steeneveld³, B. H. P. van den Borne^{1,4}, P. Pinho⁵, F. Randi⁵, H. Hogeveen¹</i>

¹Business Economics Group, Department of Social Sciences, Wageningen University and Research, the Netherlands, ²Veterinary Public Health and Epidemiology Division, School of Veterinary Medicine and Biomedical Sciences, IPB University, Indonesia, ³Faculty of Veterinary Medicine, Department of Population Health Sciences, Section Farm Animal Health, Utrecht University, the Netherlands, ⁴Quantitative Veterinary Epidemiology Group, Department of Animal Sciences, Wageningen University and Research, the Netherlands, ⁵CEVA Santé Animale, France

11:30 **Economic efficiency and antimicrobial use reduction of implementing different SDCT in Canadian dairy herds**

Ahmed Ferchiou¹, Thomas Le Page², Simon Dufour², Fidèle Kabera², Didier Raboisson¹, Jean Philippe Roy²

¹École nationale vétérinaire de Toulouse, France ²Faculté de Médecine Vétérinaire, Université de Montréal, Canada

11:45 **Animal welfare and farm performance: A Welfare-efficiency analysis of Irish dairy farms**

Amer Ait-Sidhoum, Jarkko Niemi
Natural Resources Institute Finland (Luke), Finland

12:00 **Herd-level economic impact of suboptimal dairy cow replacement due to constrained heifer supply**

PS Kulkarni^{1,2}, H Hogeveen¹, W Steeneveld^{1,2}, MCM Mourits¹

¹Wageningen University & Research, the Netherlands, ²Utrecht University, the Netherlands

11:00- Parallel session 5B: Behaviour

12:15 Lecture hall B2

11:00 **Are farm manager's attitudes and personality associated with dairy calf mortality?**

Dagni-Alice Viidu¹, Eamonn Ferguson², Tanel Kaart¹, Kerli Mõtus¹

¹Institute of Veterinary Medicine and Animal Sciences, Estonian University of Life Sciences, Estonia, ²School of Psychology, University of Nottingham, United Kingdom

11:15 **Biosurveillance system: exploring human behavior for effective animal disease surveillance**

Mo Salman, Shana Gillette, Alwyn Tan
Animal Health Population Institute, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, United States

11:30 **Veterinarians and farmers' role in cattle farms' biosecurity: who must set the example?**

V. Guétin-Poirier, L. Fabbri and J. Rivière.
USC EPIMAI, Anses, École Nationale Vétérinaire d'Alfort, France

11:45 **Stakeholders' perceptions, expectations and decision making regarding innovative approaches to control microbiomes**

Florence Bedoin¹, Amer Ait-Sidhoum², Elise Vanbergue¹, Anna Stygar², Terhi Latvala², Áine Macken-Walsh³, Sinéad Waters³, Paul Smith³, Jarkko K. Niemi²

¹Institut d'Elevage (Idele), France, ²Natural Resources Institute Finland (Luke), Finland, ³Teagasc, Ireland

12:00 **Doing disease at scale: The case of farm animal lameness**

Niamh Mahon¹, Lewis Holloway¹, Beth Clark², Amy Proctor²

¹University of Hull, United Kingdom, ²University of Newcastle, United Kingdom

12:15- Lunch

13:30

13:30- Session 6: Policy and industry perspectives to animal health

15:00 Lecture hall B2

13:30	Invited talk: Political decision making in the context of animal diseases <i>Taina Aaltonen, Deputy Director General at Ministry of Agriculture and Forestry, Finland, Chief Veterinary officer of Finland and delegate of Finland to the World Organisation for Animal Health</i>
14:00	Invited talk: Voluntary animal disease control programs, their success and motivating factors in Finland <i>Ina Toppari, Executive manager at Animal Health ETT r.a., Finland</i>
14:25	Making sense of high-level investment in animal health systems [flash presentation] <i>Mariana Marrana¹, William Gilbert², Adriana Nilsson³, Keith Hamilton¹, Jonathan Rushton²</i> ¹ World Organisation for Animal Health, France, ² Institute of Infection, Veterinary and Ecological Sciences, School of Health and Life Sciences, University of Liverpool, United Kingdom, ³ Work, Organisation and Management Group, Management School, University of Liverpool, United Kingdom
14:30	Towards output-based surveillance of transmissible cattle diseases: challenges and opportunities Tanja Knific¹ , Luis Pedro Carmo ² , Maria Guelbenzu-Gonzalo ³ , John Berezowski ⁴ , Inge Santman-Berends ⁵ , Christine Fourichon ⁶ , George Gunn ⁴ , Jörn Gethmann ⁷ , Sam Strain ⁸ , Jaka Jakob Hodnik ¹ , Matjaž Ocepek ¹ , Madeleine Henry ⁴ , Gerdien van Schaik ⁵ , Céline Faverjon ⁹ , Aurélien Madouasse ⁶ , Eleftherios Meletis ¹⁰ , Beate Conrady ¹¹ , Lina Costa ¹² , Eglé Rapaliutė ¹³ , Aurore Carcel ⁶ , Jasmeet Kaler ¹⁴ ¹ Veterinary Faculty, University of Ljubljana, Slovenia, ² Norwegian Veterinary Institute, Norway, ³ Animal Health Ireland, Ireland, ⁴ North Faculty Office, Scotland's Rural College, United Kingdom, ⁵ GD Animal Health, the Netherlands, ⁶ INRA- Institut National de la Recherche Agronomique & Oniris, BIOEPAR, France, ⁷ Friedrich-Loeffler-Institute, Federal Research Institute for Animal Health, Institute of Epidemiology, Germany, ⁸ Animal Health and Welfare Northern Ireland, United Kingdom, ⁹ Ausvet Europe, France, ¹⁰ Faculty of Public and One Health, University of Thessaly, Greece, ¹¹ Department of Veterinary and Animal Sciences, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark, ¹² Polytechnic Institute of Portalegre, Portugal, ¹³ Faculty of Veterinary Medicine, Lithuanian University of Health Sciences, Lithuania, ¹⁴ University of Nottingham, United Kingdom
14:45	Paying for veterinary care on a fixed-price basis: a win-win option in dairy farming in western France <i>Florence Bonnet-Beaugrand, Julien Andrieu, Nathalie Bareille</i> <i>Oniris & INRAE, BIOEPAR, France</i>
15:00-15:30	Coffee break
15:30-16:45	Parallel session 7A: Costs of disease <i>Lecture hall B1</i>
15:30	Multiple burden framework for dairy cattle diseases <i>Wilma Steeneveld¹, Henk Hogeveen²</i> ¹ Utrecht University, the Netherlands, ² Wageningen University, the Netherlands
15:45	Assessing the economic consequence of interventions for controlling salmon lice using a stochastic partial budgeting approach <i>Cecilie Sviland Walde¹, Britt Bang Jensen^{1,2}, Marit Stormoen³, Frank Asche^{4,5}, Bård Misund⁶, Jostein Mulder Pettersen⁷</i> ¹ Norwegian Veterinary Institute, Norway, ³ Norwegian University of Life Sciences, Norway, ⁴ University of Florida, United States, ⁶ University of Stavanger, Norway, ⁷ Pharmaq As, Norway
16:00	The economic burden of the porcine respiratory disease complex and related interventions - A systematic review

Marloes Boeters¹, Beatriz Garcia-Morante^{2,3}, Gerdien van Schaik^{1,4}, Joaquim Segalés^{3,5,6}, Jonathan Rushton^{7,8}, Wilma Steeneveld¹

¹Department of Farm Animal Health, Faculty of Veterinary Medicine, Utrecht University, the Netherlands, ²IRTA. Programa de Sanitat Animal. Centre de Recerca en Sanitat Animal (CReSA), Campus de la Universitat Autònoma de Barcelona (UAB), Spain, ³OIE Collaborating Centre for the Research and Control of Emerging and Re-Emerging Swine Diseases in Europe (IRTA-CReSA), Spain, ⁴Royal GD, the Netherlands, ⁵Departament de Sanitat i Anatomia Animals, Facultat de Veterinària, Universitat Autònoma de Barcelona, Spain, ⁶Unitat Mixta d'Investigació IRTA-UAB en Sanitat Animal, Centre de Recerca en Sanitat Animal (CReSA), Campus de la Universitat Autònoma de Barcelona (UAB), Spain, ⁷Global Burden of Animal Diseases Program, Institute of Infection, Veterinary and Ecological Sciences, University of Liverpool, United Kingdom, ⁸Institute of Infection, Veterinary and Ecological Sciences, School of Health and Life Sciences, University of Liverpool, United Kingdom.

16:15 **The potentials in Norwegian Salmon Farming by improving vaccines**

Paul Steinar Valle, Tarique Mahmud
Spillfree Analytics AS, Norway

16:30 **The Use of Complementary and Alternative Approaches to Animal Health on UK Dairy Farms and their Influenced on Antibiotic Use: A Qualitative Study**

Kayleigh Crouch¹, Gwenllian Rees², Christie Cabral¹, Helen Cramer¹, Debbie Sharp¹, David Barrett¹

¹University of Bristol, United Kingdom, ²Aberystwyth University, United Kingdom

15:30- Parallel session 7A: Poultry

16:45 Lecture hall B2

15:30 **Estimating costs of notifiable poultry diseases in seven European countries**

Helena C. de Carvalho Ferreira¹, Giuditta Tilli², Arthi Amalraj³, Hilde Van Meirhaeghe⁴ [NetPoulSafe consortium]⁵, Nathalie Rousset⁶, Anne-Christine Lefort⁶, Jeroen Dewulf³, Alessandra Piccirillo², Erwin Wauters¹

¹ILVO, Social sciences unit, Flanders Research Institute for Agriculture, Fisheries and Food, Belgium, ²Department of Comparative Biomedicine and Food Science, University of Padua, Italy, ³Gent University, Department of epidemiology, Faculty of Veterinary medicine, Belgium, ⁴Vetworks BV, Belgium, ⁵The NetPoulSafe project, funded by the EU Research and Innovation Programme Horizon 2020 under Grant Agreement n. 101000728, ⁶ITAVI, Institut Technique de l'Aviculture, Pisciculture et Cuniculture, France

15:45 **Economic impact of chicken diseases and other causes in backyard farms in low-income and middle-income countries: systematic review and meta-analyses,**

Violeta Muñoz-Gómez¹, Alexandra P.M. Shaw², Philip Rasmussen¹, Paul R. Torgerson¹

¹Section of Epidemiology, Vetsuisse Faculty, University of Zurich, Switzerland, ²University of Edinburgh, United Kingdom

16:00 **Danish egg producers' knowledge, practices, attitudes and perceptions of laying hen mortality,**

Vibe Pedersen Lund, Ida Thøfner, Liza Rosenbaum Nielsen, Jens Peter Christensen
Department of Veterinary and Animal Sciences, University of Copenhagen, Denmark

16:15 **A principal-agent assessment of contract broiler farming and antibiotic use. A case study from West Bengal, India,**

Mathew Hennessey¹, Indranil Samanta², Guillaume Fournie^{1,3,4}, Matthew Quaipe⁵ Meenakshi Gautham⁶, Haidaruliman Paleja⁷, Papaiyan Kumaravel⁸, Ripan Biswas⁹, Pablo Alarcon¹

¹Veterinary Epidemiology, Economics and Public Health Group, Department of Pathobiology and Population Sciences, Royal Veterinary College, United Kingdom. ²Department of Veterinary Microbiology, West Bengal University of Animal and Fishery Sciences, India,

³Université de Lyon & INRAE, VetAgro Sup, UMR EPIA, France, ⁴Université Clermont Auvergne & INRAE, VetAgro Sup, UMR EPIA, France, ⁵Evidera, United Kingdom, ⁶Department of Global

Health and Development, Faculty of Public Health and Policy, London School of Hygiene and Tropical Medicine, United Kingdom, ⁷Department of Animal Biotechnology, Veterinary College, Anand Agricultural University, India, ⁸Department of Veterinary and Animal Husbandry Extension Education, Madras Veterinary College, India, ⁹Department of Veterinary Public Health and Epidemiology, West Bengal University of Animal and Fishery Sciences, India

16:30 **What lies beyond urbanisation? Uncovering linkages of poultry production and consumption in urban India**

*Lavinia Scudiero, Mehroosh Tak, Pablo Alarcon, Jackie Cardwell
Royal Veterinary College, United Kingdom*

16:45- ISESSAH annual general meeting

17:30 *Lecture hall B1*

17:30- **Walking tour at the university farm**

18:30 *Departure from the lobby after the annual meeting*

19:30- Conference dinner

23:00 *Restaurant in the city center*

Thursday, June 15th, 2023

9:00-10:30	Session 8: Perspectives to behavioral changes in animal health management <i>Lecture hall B1</i>
9:00	Invited talk: Using behaviour change frameworks in endemic disease management <i>Beth Clark, Lecturer in Food Marketing at School of Natural and Environmental Sciences, Newcastle University, United Kingdom</i>
9:30	Anthropomorphism and its implication for stakeholders' attitudes to livestock farming in Switzerland <i>Andrea Knörr, Angela Bearth, Xiao Zhou, Michael Siegrist</i> <i>ETH Zurich, Institute for Environmental Decisions (IED), Consumer Behavior, Switzerland,</i>
9:45	The social license to operate and animal production systems <i>Rhys Evans</i> <i>Høgskulen for grøn utvikling, Norway</i>
10:00	Do consumer and farmer preferences on measures to enhance animal health and welfare coincide? Results from two surveys in 9 European countries <i>Minna Väre¹, Katja Lähtinen¹, Katriina Heinola¹, Jarmo Mikkola¹, Tricia Parrott², Claire Bonnefous³, Laura Van Vooren⁴, Saskia Kliphuis⁵, Anna Zuliani⁶, Raffaella Ponzio⁷, Laura Warin⁸, Sophie Herremans⁹, Lisa Baldinger¹⁰, Monica Coletta¹¹, Martina Re¹¹, Christine Roguet¹², Marina Spinu¹³, Ninfa Rangel Pedersen¹⁴, Petra Thobe¹⁰, Anne Collin³, Jarkko K. Niemi¹.</i> <i>¹Natural Resources Institute Finland (Luke), Finland, ²Harper Adams University, United Kingdom, ³National Research Institute for Agriculture, Food and the Environment (INRAE), France, ⁴BioForum, Belgium, ⁵Utrecht University, the Netherlands, ⁶VSF, Italy, ⁷SlowFood, Italy, ⁸Institut Technique de l'Aviculture, France, ⁹Centre Wallon de recherches agronomiques, Belgium, ¹⁰Johan Heinrich von Thuenen Institute, Germany, ¹¹Associazione Italiana Agricoltura Biologica, Italy, ¹²Institut du Porc, France, ¹³Universitatea de Stiinte Agricole si Midecina Veterinara Cluj Napoca, Romania, ¹⁴Fermentation Experts, Denmark</i>
10:15	Consumer perspectives on animal welfare and food purchasing decisions: an international comparison <i>Anne Pöder¹, Ants-Hannes Viira², Martin Kukk², Hardi Tamm¹, Pekka Kilpeläinen³, Tuija Kallio³, Elisa Tikkanen³, Per-Ola Ulvenblad⁴, Pia Ulvenblad⁴, Henrik Barth⁴, Natascha Schlereth⁵, Abate Kassa⁵.</i> <i>¹Estonian Dairy Cluster, Estonia, ²Estonian University of Life Sciences, Estonia, ³University of Oulu, Finland, ⁴Halmstad University, Sweden, ⁵Technical University of Munich, Germany</i>
10:30-11:00	Coffee break
11:00-12:30	Parallel session 9A: Antimicrobials <i>Lecture hall B1</i>
11:00	Cost-effectiveness analysis of Farm-level Antimicrobial Stewardship Interventions: case of Danish livestock sector <i>Yechale Getu Endalew, Jørgen Dejjgård Jensen, Dagim Belay</i> <i>University of Copenhagen, Denmark</i>
11:15	Antibiotic supply chain map of the Argentinian beef industry: A mixed methods approach (qualitative and quantitative methods) <i>David Oseguera Montiel¹, Sergio F. Sanchez Bruni², Maria Laura Galotta¹, Peers Davies¹</i> <i>¹Department of Livestock & One Health, University of Liverpool, United Kingdom</i> <i>²Laboratory of Pharmacology, Faculty of Veterinary Medicine, CIVETAN-CONICET</i>
11:30	Antimicrobial resistance and antimicrobial use in veterinary medicine viewed by companion-animal veterinarians <i>Sophie Molia¹, Julien Mattern², Nicolas Fortané³</i>

Change in dairy farming practice following a regulation restricting very high importance antimicrobials in human medicine in the province of Quebec, Canada

Nikky Millar^{1,2,3,4}, Simon Dufour^{1,2,4}, H  l  ne Lard  ^{1,2,4,7}, Jean-Philippe Roy^{4,5}, Catherine Belloc⁶, Maud De Laagarde¹, C  cile Aenishaenslin^{1,2,3}

12:00 **Beyond knowledge dissemination and awareness-raising: what are relevant interventions to help farmers reduce their antimicrobial use?**

Social Sciences Unit, Flanders research institute for agriculture, fisheries and food (ILVO), Belgium

Claire Scott¹, Nicholas Bor², Irene Bueno¹, Dishon Muloi^{2,3}, Max Korir², Kristen K Reyher¹, Henry Buller⁴, Lian F Thomas^{2,5}

¹University of Bristol, ¹International Livestock Research Institute, ³University of Edinburgh, ⁴University of Exeter, ⁵University of Liverpool

12:30 *Lecture hall B2*

Philip Rasmussen¹, Alexandra P.M. Shaw², Paul R. Torgerson¹

¹Section of Epidemiology, Vetsuisse Faculty, University of Zurich, ²Department of Livestock and One Health, University of Liverpool, United Kingdom

Thanicha Chanchaidechachai^{1,2}, Egil A. J. Fischer⁴, Helmut Saatkamp¹, Mart C.M. de Jong³,
Henk Hogeveen¹

¹Business Economics Group, Wageningen University, Wageningen, The Netherlands, ²Research Unit of Data Innovation for Livestock, Department of Veterinary Medicine, Faculty of Veterinary Science, Chulalongkorn University, Thailand

Irmelin S. Helgesen^{1,2}, Andrew P. Barnes¹, Tarek Soliman¹

¹Scotland's Rural College, United Kingdom, ²Norwegian University of Science and Technology, Norway

Ka Yi Hui¹, Nina Matsumoto¹, Jarunee Siengsanant-Lamont², James R Young², Syseng Khounsly³, Bounloun Douangneun³, Watthana Thepagna³, Phouvong Phommachanh³, Stuart D Blacksell^{1,2,4}, Michael P Ward¹

¹University of Sydney, Sydney School of Veterinary Science, Australia, ²Mahidol-Oxford Tropical Medicine Research Unit (MORU), Faculty of Tropical Medicine, Mahidol University, Thailand, ³National Animal Health Laboratory, Department of Livestock and Fisheries, Ministry of Agriculture and Forestry, Lao Democratic People's Republic, ⁴Centre for Tropical

Medicine and Global Health, Nuffield Department of Medicine, University of Oxford, United Kingdom

12:00 **Seasonal Cattle Transhumance in Central Myanmar: Farmers' practices and socio-economic factors related to bovine brucellosis.**

Su Su Hlaing¹, Hiroichi Kono²

¹Obihiro University of Agriculture and Veterinary Medicine, Graduate School of Animal and Veterinary Sciences and Agriculture, Japan, ²Obihiro University of Agriculture and Veterinary Medicine, Department of Agro-environmental Science, Japan

12:30 Awards and closing the conference

Lecture hall B1

Lunch