Seminar on
Sustainable Meat and Livestock Production
29 September 2022, 15:00-17:00 (CEST)
Online and in-person, Geneva

Background and context
In the face of climate change and growing populations, the sustainability of food systems is central to the achievement of the 2030 Agenda for sustainable development and the Sustainable Development Goals (SDGs). To realize the SDGs, the global food system needs to become more productive, inclusive, environmentally sustainable, and resilient, so that it can deliver healthy and nutritious diets for all.

As a source of essential nutrients, meat has been an important part of the human diet for centuries. However, in recent years, the impact of meat production on the environment is increasingly a focus of debate. Addressing the impact of global meat production on climate change is part of this agenda. For example, many questions remain to be answered on the overall impact of meat production on greenhouse gas emissions, and nuanced discussions could contribute to a better understanding of available policy tools to foster sustainable practices.

Held as part of the Thirtieth session of the UNECE Specialized Section on Standardization of Meat, the aim of this seminar/webinar is to discuss sustainability issues related to meat production, with a focus on estimates and mitigation options for carbon emissions from meat production.

Programme

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 15.00 – 15.10 | Opening remarks  
Elisabeth Tuerk, Director, Economic Cooperation and Trade Division, UNECE  
Ian King, Chair, Specialized Section on Standardization of Meat of the UNECE Working Party on Agricultural Quality Standards |
| 15.10 – 16.55 | Sustainability of meat production – issues, considerations, and solutions  
Presentations |

*Biomass Valorisation - The Overlooked Sustainability Function of Livestock*  
Prof. Peer Ederer, GOAL Sciences - Global Observatory on Accurate Livestock Sciences, Director Global Food and Agribusiness Network
How managing livestock methane can be part of a climate solution
Prof. Frank Mitloehner, Professor, University of California Davis and director of the CLEAR Center

Achieving Net Zero – the role of increasing carbon stocks on farm
Prof. John Gilliland, Director of Agriculture & Sustainability, Devenish Nutrition

Asparagopsis seaweed: all-natural dietary solution for methane reduction in cattle and sheep
Joanne Barber, COO, FutureFeed

Verification, validation & the role of standards in ESG and SDG claims
Marg Will, CEO, Organic Systems & Solutions

Q&A and moderated panel discussion
Moderator: Ian King, Chair, Specialized Section on Standardization of Meat of the UNECE Working Party on Agricultural Quality Standards

16.55 – 17.00 Summary and closing

For more information about the event, please see: https://unece.org/trade/wp7/ge11-30th-2022
To register to attend: https://indico.un.org/event/1001871/

For more information, contact Marit Nilses, Economic Cooperation and Trade Division, United Nations Economic Commission for Europe (UNECE), nilsesm@un.org
Biographies of the speakers

Prof. Peer Ederer, GOAL Sciences - Global Observatory on Accurate Livestock Sciences, Director Global Food and Agribusiness Network

Prof. Dr. Peer Ederer is a scientist and an entrepreneur. As a scientist, he researches, publishes and teaches on the links between human capital formation, learning, economic growth and innovation. His analyses are frequently consulted by business leaders and policymakers for their innovation and growth strategies. He is particularly active in the food and agribusiness sector. As entrepreneur in his company Africa enablers, his commercial focus is on creating sustainable and cost-effective infrastructure solutions for countries across the African continent.

- Founding Director, Goal Sciences (2020-)
- Member Scientific Council, World Farmers’ Organization (2020-)
- Program and Science Director, Global Food and Agribusiness Network (2016-)
- Professor, Zeppelin University, Friedrichshafen (2004-)
- Visiting Professor, Zurich Institute of Business Education, CEIBS Campus Zurich (2016-2020)

Prof. Frank Mitloehner, Professor, University of California Davis and director of the CLEAR Center

Dr. Frank Mitloehner is a professor and air quality specialist in cooperative extension in the Department of Animal Science at UC Davis. Frank is also director of the CLEAR Center, which aims to increase understanding of the environmental and human health impacts of livestock. He is passionate about understanding and mitigating air emissions from livestock operations, as well as studying the implications of these emissions on the health of farm workers and neighbouring communities. In addition, he is focusing on the food production challenge that will become a global issue as the world’s population grows to nearly 10 billion by 2050.

- Professor & Cooperative Extension Specialist; Dept Animal Science, UC Davis (2012-)
- Adjunct Professor; College of Animal Science; North West Agriculture and Forestry University (NWAFU), Yangling, China (2016-)
- Director, UC Davis CLEAR Center
- Chairman, United Nations Food and Agriculture Organization (UN FAO), Partnership Project for the Benchmarking of Environmental Impacts of the Global Livestock Supply Chains; LEAP (2012-2015)
- Member, National Academy of Science, Institute of Medicine, Committee on Assessment of the Environmental and Health Effects of the Food System (2013-2015)
- Workgroup Member, President's Council of Advisors on Science and Technology, PCAST (2012-2015)
Mr. John Gilliland, Director of Agriculture & Sustainability, Devenish Nutrition

John Gilliland is Director of Global Agriculture and Sustainability at Devenish, an innovative livestock nutrition company which creates solutions for improving animal, human and environmental health, simultaneously. For seven years, he chaired the UK’s Rural Climate Change Forum. He is currently chairing the N. Ireland Expert Working Group on Sustainable Land Management, and on reducing Ammonia Emissions; and he is a member of the EU Commission’s Mission Board Assembly on Soil Health & Food.

- Board member, EU Commission, Soil Mission Board (2022-)
- Professor of Practice for Agriculture & Sustainability, Queen’s University Belfast (2021-)
- Director of Global Agriculture & Sustainability, Devenish Nutrition Ltd. (2013-)
- Chairman, Expert Working Group, N. Ireland's Agricultural Land Management Strategy (2014-)
- Director, Resourceful Organics Ltd (2013-)

Ms. Joanne Barber, COO, FutureFeed

Joanne Barber is a sustainability advocate and thought leader within the wellness and organics industry. She has a background in roles that required her to learn the production supply chain from auditing on property, to the marketing of Australian produce in Asia, and she also has rich experience in certification within the Organics space. She has worked across several regulatory markets and is responsible for building the Asparagopsis certification programme and standards with industry, for industry, and for FutureFeeds regulatory programmes.

- Chief Operating Officer, FutureFeed (2022-)
- Board Advisor, We Affirm Co & Lab Loop (2018-2021)
- Vice President Global Wellness (Singapore HQ), COMO Shambhala (COMO Hotels & Resorts Group company) (2017-2019)

Ms. Marg (Margaret) Will, CEO, Organic Systems & Solutions

Marg Will is the CEO of Organic Systems & Solutions Pty Ltd (OS&S). Marg provided assistance for businesses involved in organics or considering becoming organic, and also provided support to businesses seeking sustainable and ESG verifications. Marg completed the legislative framework review for the Department of Agriculture and Water Resources for the Australian Organic Industry, and developed the Organic Mark, The CTM Rules, and the regulatory framework for the Mark, in order to process Market Access negotiations.

- CEO, Organic Systems & Solutions Pty Ltd.
- Member, Certified Sustainable Standards Board
• Member, Advisory Group to the Federal Minister for Agriculture for “Fit for purpose” domestic regulation
• Chair, Australian Organic Livestock Advisory Committee
• Member, Standards Australia Committee FT-032, Organic & Biodynamic Products
• Member, Standards Australia, FT-032 Cosmetic Working Group
• Member, Standards Australia CS-108 for ISO TC217, Cosmetic Definitions – Organic & Natural