

atf

animal
task
force

A European Public-Private Partnership



EAAP

European Federation of Animal Science



2nd one-day symposium of the Animal Task Force & the EAAP Commission on Livestock Farming Systems

Welcome & introduction

By **Frank O'Mara**, ATF President &
Michael Lee, President of the
EAAP Commission on Livestock
Farming Systems



**Livestock emissions
and the COP26 targets**



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Livestock emissions and the COP26 targets

- Greenhouse gas (GHG) emissions are among the greatest challenges faced by livestock farming that has become an issue of the greatest importance for consumers and policy makers. At the same time, livestock has a strong mitigation potential: *“improved management practices could reduce emissions from livestock systems by about 30%”*, says FAO.
- Several reports are under writing among international organisations (IPCC, FAO, DG Agri...) that may lead to decision making in the coming months with impacts on the livestock sector.
- The ATF & the EAAP Commission on Livestock Farming Systems would like to draw a state of the art on GHG emissions from livestock, the role of methane, the different metrics to measure emissions and mitigation levers at various scales, inviting international organisations, research organisations, farmers, industries, NGOs and policy makers.

Session #02 (morning)

- 8:30 **Welcome & introduction**
By Frank O'Mara, ATF President - [@FrankOMara8](#) & Michael Lee, President of the EAAP Commission on Livestock Farming Systems
- State of policies and research about climate impacts from livestock, metrics & mitigation options**
- 8:45 **IPCC AR6 Working Group III report: overview of agricultural sector GHG emissions**
By Harry Clark, NZAGRC - [@nzagrc](#)
- 9:15 **FAO report: Technical Advisory Group on Methane emissions from the livestock systems and Working group on metrics**
By John Lynch, Oxford University - [@UniofOxford](#)
- 9:45 **EU policy tools to decrease emissions from the livestock sector**
By Valeria Forlin, DG Clima, Unit C3: Low Carbon Solutions (III): Land Economy & Carbon Removals - [@EUClimateAction](#)
And Andreas Pilzecker, DG Agri, Unit B2 - Environmental sustainability - [@EUAgri](#)
- 10:15 **Coffee break**
- 10:45 **Global Research Alliance on Agricultural Green House Gases GRA-GHG** By Hayden Montgomery, Special Representative of the GRA - [@GRA_GHG](#)
- 11:00 **Production profiles and GHG emissions – pilot study on farm practices towards circular bioeconomy**
By Dana Peškovičová, NPPC
- 11:15 **Territorial-scale trade-offs of livestock performance: cattle diet composition perspective**
By Ruizhen Wang, INRAE - [@INRAE_France](#)
- 11:30 **State of the art in Research and Innovation – Nutrition and supplements**
By John Newbold & Jamie Newbold, SRUC - [@SRUC](#)
- 12:00 **Research and innovation for climate change mitigation from an animal breeding perspective**
By Oscar González Recio, INIA-CSIC - [@INIA_es](#)
- 12:15 **State of the art in Research and Innovation – Manure management**
By Henrique Trindade, UTAD - [@UTAD_RS](#) & David Fanguero, ISA - [@isagronomia](#)
- 12:30 **PANEL DISCUSSION** with the speakers of the last 2 presentations, the audience and
•David Yañez-Ruiz, CSIC with a 5-minute presentation of “Relivestock” - [@EEZCSIC](#)
•Ana Granados & Oscar González Recio: review of research in genetics from the WCGALP2022, World Congress on Genetics Applied to Livestock Production
•Michael Lee, Harper Adams University as representative from BSAS2022, British society of Animal Science Conference - [@HarperAdamsUni](#) [@BSAS_org](#)
•Nicolas DiLorenzo, University of Florida, as representative from GGAA2022, International Greenhouse Gas & Animal Agriculture Conference - [@uf_ansci](#)
- 13:00 **Lunch**

Session #13 (afternoon)

GHG emissions mitigation in practice

- 14:00 **At farm gate: feed systems, increased soil carbon sequestration and energy production**
By Anne-Catherine Dalcq, CEJA - [@_CEJA_](#)
- 14:15 **Breeding towards efficiency in Finnish dairy and beef cattle improves environmental performance**
By Sanna Hietala, LUKE - [@LukeFinlandInt](#)
- 14:30 **GHG emissions mitigation in practice: a Dutch farmer with monogastrics & ruminants**
By Iwan Gijsbers & Bianca Aarts, ZLTO - [@ZLTO](#)
- 14:45 **Vision industry: Danone & its project that aims to support French dairy farmers in their Carbon footprint reduction**
By Maëline Baudet, Danone - [@DanoneFR](#)
- 15:00 **PANEL DISCUSSION** with speakers and the audience
•White spots?
•Gaps in R&I
- 15:45 **Coffee break**
- 16:15 **State of implementation of good practices in various EU projects**
By Josselin Andurand, IDELE - [@InstitutElevage](#)
- 16:30 **Time off feed affects enteric methane and rumen archaea**
By Stuart Kirwan, Teagasc - [@teagasc](#)
- 16:45 **Alentejo's beef farms economic and environmental performance through a regionally developed decision**
By Manuel Dos Santos, Técnico Lisboa - [@istecnico](#)
- 17:00 **Phytochemical and in vitro methane inhibition of plant extracts as influenced by extractive solvents**
By Abubeker Hassen, University of Pretoria - [@UPTuks](#)
- 17:15 **Considerations from modelling UK livestock farming: How farmers can reduce emissions**
By Harry Kamilaris, CIEL - [@CIELivestock1](#)
- 17:30 **Closing**
By Frank O'Mara, ATF President - [@FrankOMara8](#) & Michael Lee, President of the EAAP Commission on Livestock Farming Systems