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A European Public-Private Partnership



EAAP

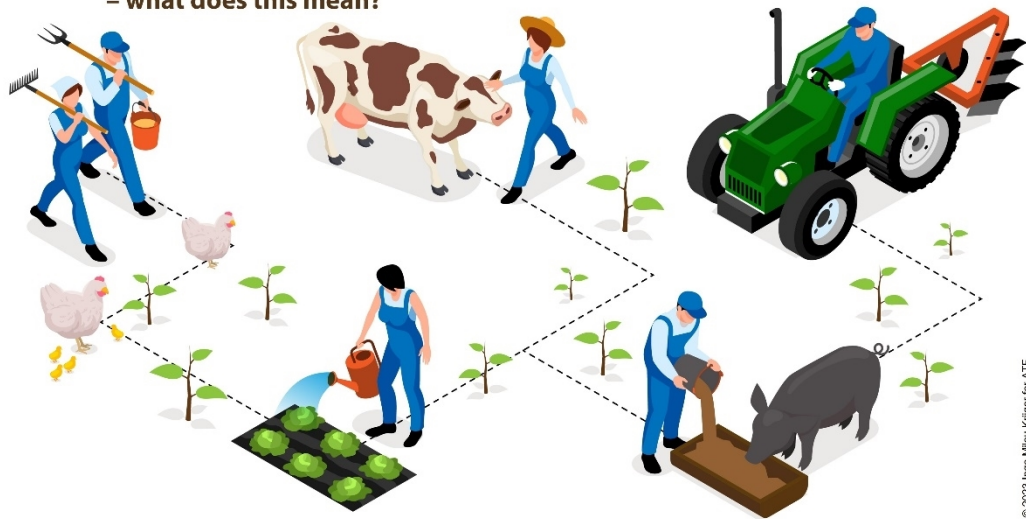
European Federation of Animal Science



3rd one-day symposium of the Animal Task Force & the EAAP Commission on Livestock Farming Systems: *Sustainable livestock farming – defining metrics and rationalising trade-offs?*

Welcome & introduction

'SUSTAINABLE LIVESTOCK SYSTEMS'
– what does this mean?



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Frank O'MARA

Director of Teagasc & President of the Animal Task Force

&

Michael LEE

Deputy Vice-Chancellor – Harper Adams University & President
of the EAAP Commission on Livestock Farming Systems

&

Isabel CASASUS

President of EAAP

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A European Public-Private Platform

ATF - A European Public-Private Partnership

Industry & farmers representative organisations



Knowledge providers



Partners



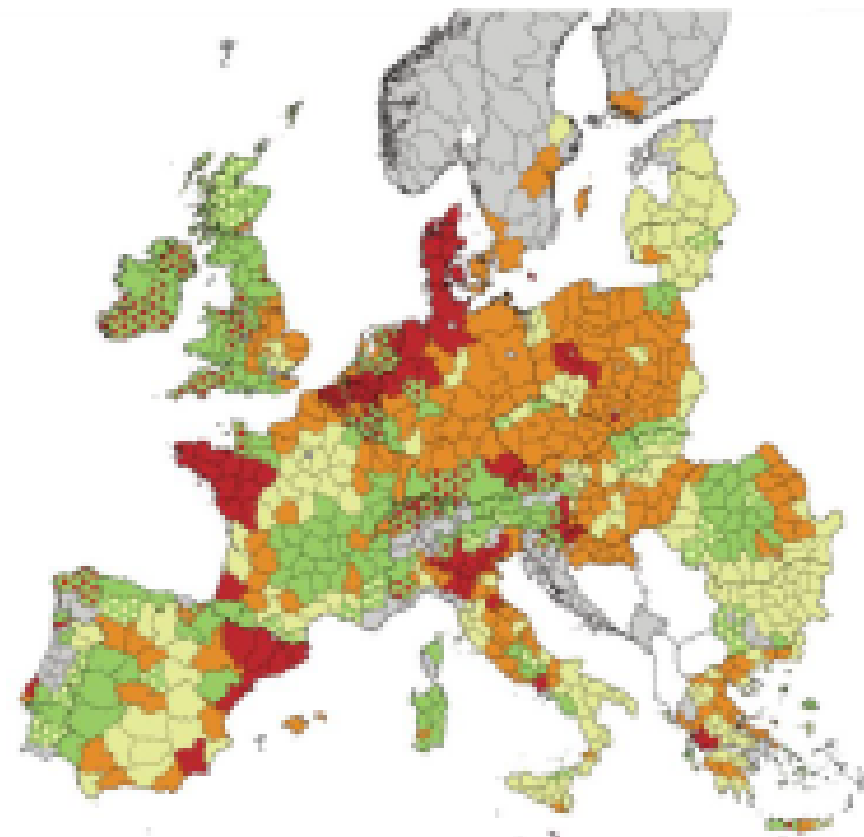
European Livestock and Meat Trades Union



Vision



- **ATF promotes interdisciplinary R&I bringing together researchers with complementary expertise & multi-actors of agri-food chains and territories**
- **Fostering the sustainability of a wide diversity of European production systems to improve the resilience of our EU agrifood systems (ie. intensive, low input systems, organic, agroecological systems...)**
- **Holistic agricultural approaches will link more closely livestock & plants to better use and protect the qualities of agroecosystems and maximize the use of biomass through recycling/cascading approaches**



Activities



HORIZON
2020



Providing input for EU research and innovation agenda

(Horizon 2020, Horizon Europe, JPI FACCE&HDHL, SCAR, position papers)

Arranging dialogue on sector innovation with key stakeholders in EU

(EC, Members of Parliament, industry organisations, NGOs, scientific community)

Enhancing cooperation in EU research & innovation

(Reinforce an innovative and efficient research in livestock sector)

Enabling knowledge exchange and act as a source of expertise

(workshops, events, website, ad hoc expertise)

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2 events in 2022 on "Livestock emissions and the COP26 targets"

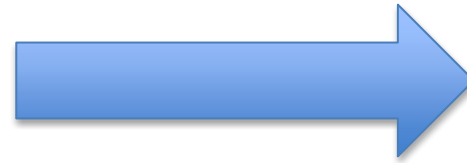
2nd One-day symposium of the ATF & EAAP Commission on Livestock Farming Systems

EAAP Annual Meeting

Porto, Portugal - Sept. 2022

12th ATF Seminar

Brussels - Nov. 2022



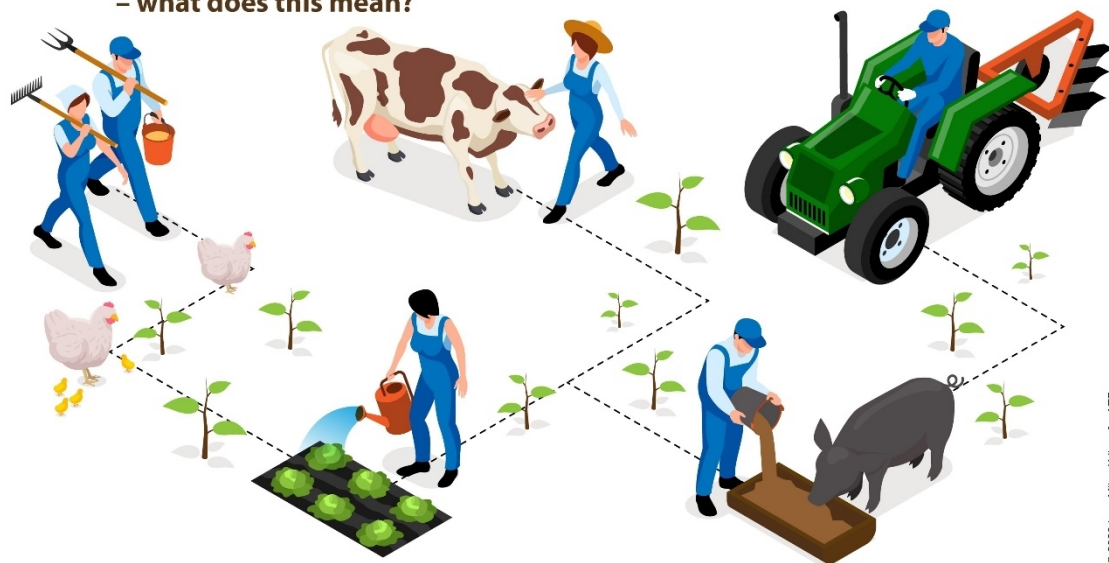
New publication now available !



Livestock emissions and the COP26 targets

ATF topic 2023:

'SUSTAINABLE LIVESTOCK SYSTEMS'
– what does this mean?



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EU Framework Law on Sustainable Food Systems coming later in 2023.

Questions: what are sustainable livestock systems, which common ground could they have and how will they differ from region to region?

Policymakers, civil society, NGOs, consumers, the agri-food sector and scientists all want to better define and contribute to more sustainable livestock systems.

However, there is no clear definition of

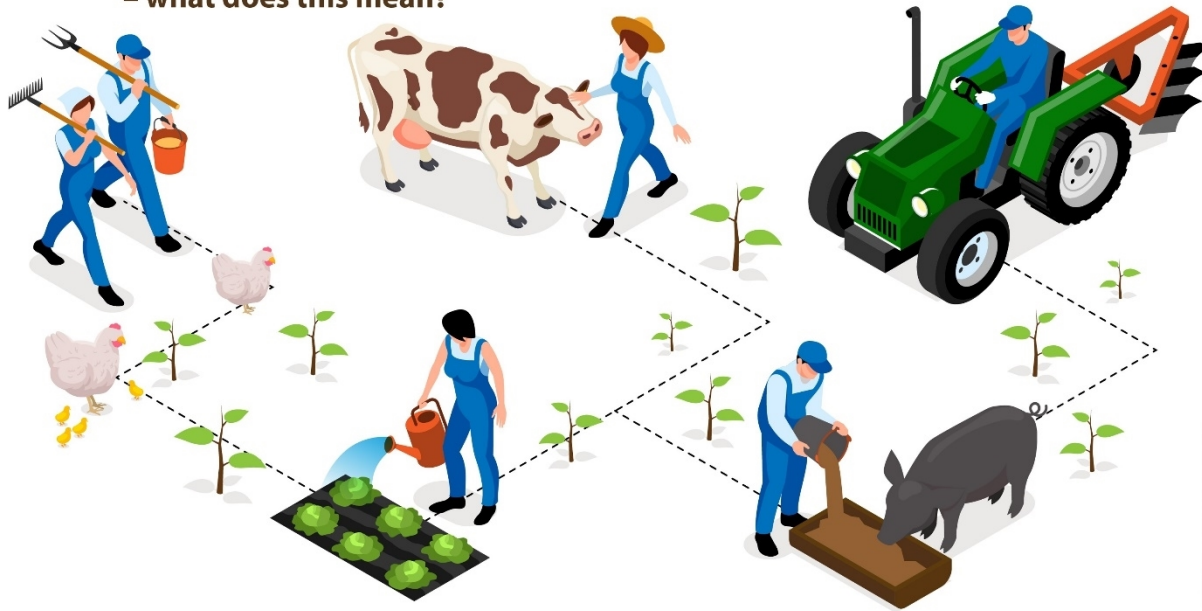
- what a sustainable livestock system is,
- how to assess the state of existing systems, and
- the direction in which they must evolve.

In the meanwhile, food security has grown in importance .

How to combine food security, resilience and sustainability should be at the centre of research and innovation and policy initiatives.

ATF topic 2023:

'SUSTAINABLE LIVESTOCK SYSTEMS'
– what does this mean?



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This topic will explore

- the key attributes of sustainable livestock systems,
- the trade-offs and synergies between different aspects of the systems and
- their interactions with other parts of the food system.

It will also explore how current livestock systems can **evolve** to be more sustainable and will examine **methodologies to assess** the sustainability of livestock systems.

Programme – session 02

- 8:45 **Friend or Foe? The role of animal-source foods in healthy and environmentally sustainable diets**
By Lutz Merbold, Agroscope
- 9:15 **The economic sustainability of dairy production systems in the EU and beyond**
By Fiona Thorne, Teagasc
- 9:45 **Methods to assess the sustainability of livestock systems: challenges and opportunities**
By Evelien de Olde, WUR
- 10:15 **Coffee break**
- 10:45 **SustAnimal – a multi-actor knowledge centre for livestock in future Swedish food systems**
By Mårten Hetta, SLU
- 11:00 **Breeding livestock for sustainable systems**
By Pieter Knap, Genus-PIC
- 11:30 **PANEL DISCUSSION**
with the speakers and the audience.
- 12:15 **Use of grazing with dairy goats to design sustainable food systems**
By Hugues Caillat, INRAE
- 12:30 **Benefits and limits of farm animals to control herbage mass, pests and weeds in orchards: a review**
By René Baumont, INRAE
- 12:45 **A new concept for agro-ecological efficiency at different scales of ruminant production systems**
By Hieu Nguyen-Ba, INRAE
- 13:00 **Lunch**

Programme – session 14

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- 14:00 **Multiple mitigation strategies may lead to reduction in emissions for mixed Kenyan dairy systems**
By Lutz Merbold, Agroscope
- 14:15 **Assessing multifunctionality of livestock breeds and species at global level**
By Roswitha Baumung,
- 14:30 **Predicting sustainable futures: does disease in early life result in trade-offs in ewe productivity?**
By Jade Duncan, Moredun Research Institute
- 14:45 **The welfare of housed and grazing beef cattle assessed by hormones levels and physical check scores**
By Jordana Rivero, Rothamsted Research
- 15:00 **Creating a Shared Framework for Standardizing Life Cycle Assessments in Livestock Production Systems**
By Laurence Smith, University of Reading
- 15:15 **Defining operational sustainability and the need for systems approach in assessing livestock farming**
By Anders Herlin, SLU
- 15:30 **The Global Roundtable for Sustainable Beef; multi-stakeholder engagement driving progress worldwide**
By Ruairaidh Petre, Global Roundtable for Sustainable Beef
- 15:45 **Coffee break**
- 16:15 **Developing a decision support system for integral sustainability improvement of Dutch dairy farm**
By Marion De Vries, WUR
- 16:30 **Animal welfare index in sustainability assessments**
By Lotta Rydhmer, SLU
- 16:45 **Sustainability analysis of large-scale dairy farming in China from water-energy-labor nexus insight**
By Xinyi Du, China Agricultural University
- 17:00 **Characterizing the socio-economic and environmental performance of Irish beef and sheep farms**
By Cecilia Ayala, WUR
- 17:15 **Benchmarking the sustainability performance of pastoral dairy-beef production systems**
By Mark Kearney, Teagasc
- 17:30 **Measuring, Reporting and Verifying Farm Sustainability (Food Futures)**
By Ryan McGuire, Queen's University Belfast - Institute for Global Food Security
- 17:45 **Closing**, by Frank O'Mara & Michael Lee