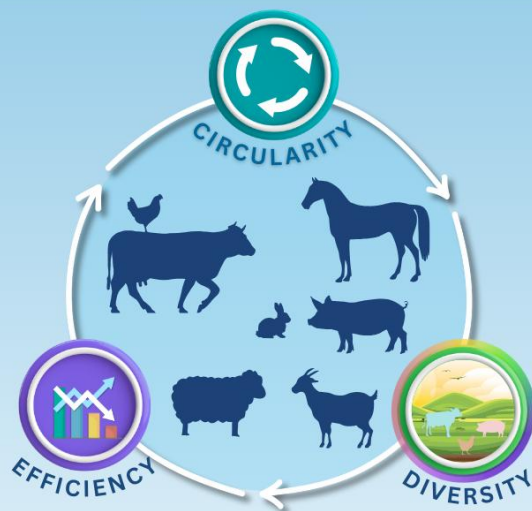


## LIVESTOCK FARMING SYSTEMS IN NEXT GENERATIONS



CAN WE IMAGINE  
THE FUTURE?



## Setting the scene

Follow-up of the session co-organized by  
the Animal Task Force & the EAAP  
Commission on Livestock Farming Systems  
EAAP2025 – Innsbruck, Austria

Michael Lee, Harper Adams University



**Harper Adams  
University**



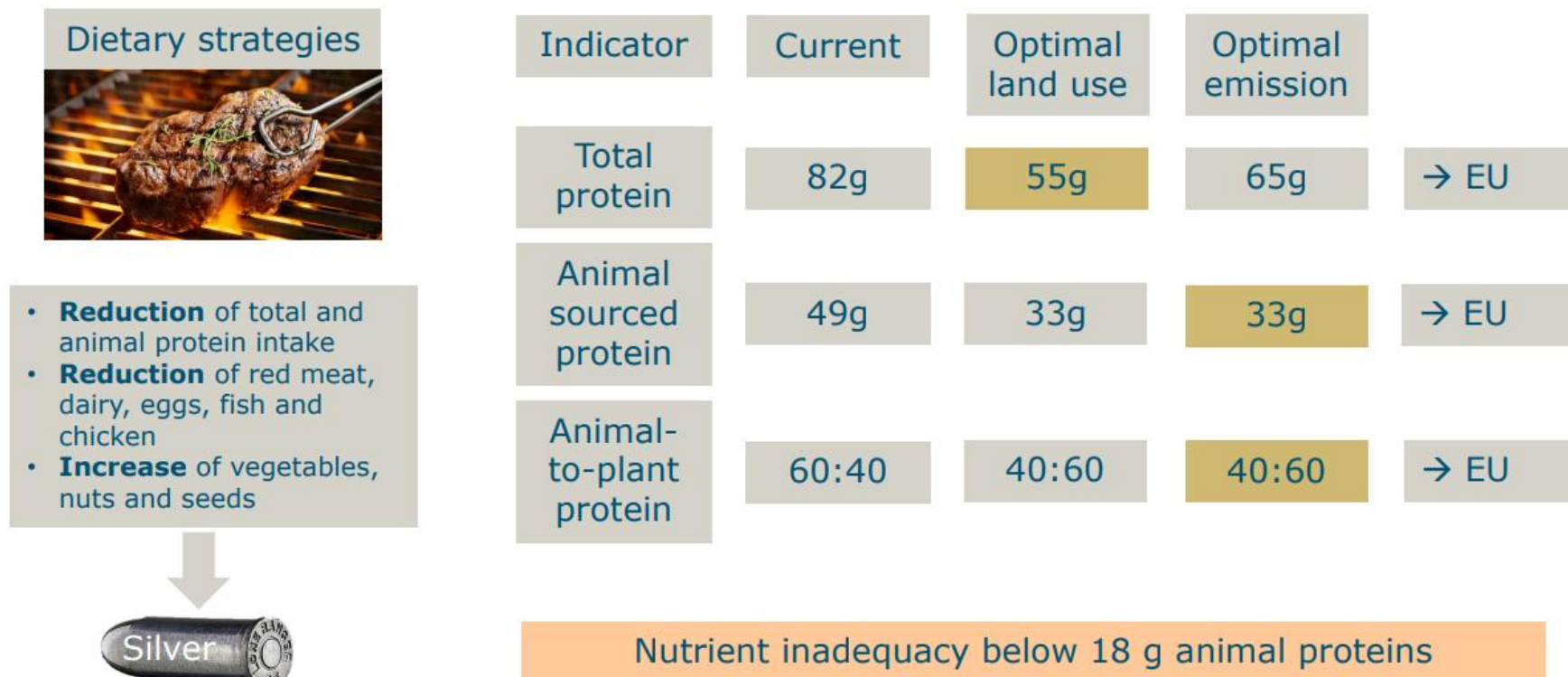
# ATF View – Critical role of sustainable livestock



# Challenge – Circular Food System Model

(Wolfram Simon)

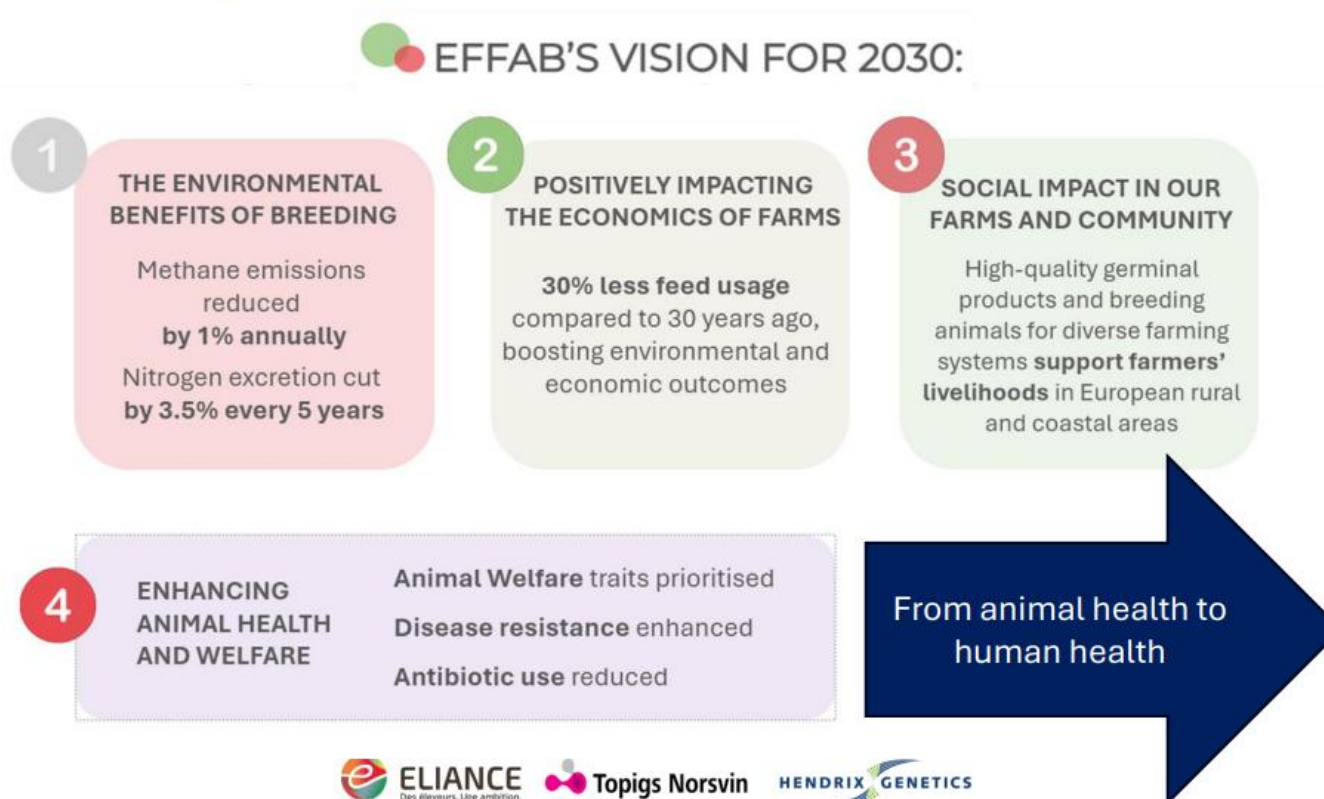
## Synthesis of dietary changes to reduce impacts



# Improve Genetics

(Clotilde Patry and Eli Grindflek)

## Animal Genetics is not only addressing the 3 pillars of sustainability

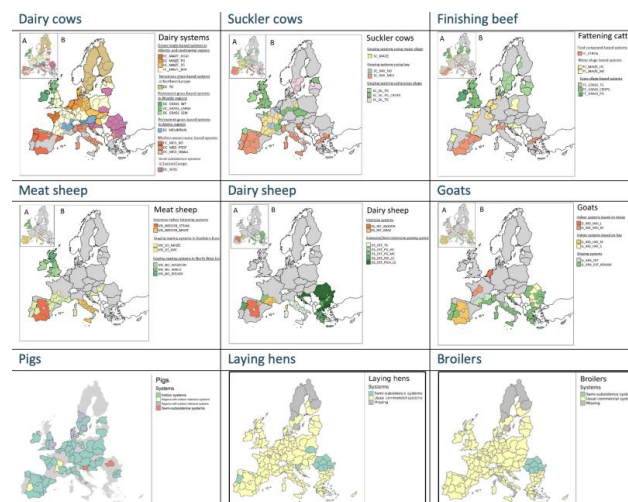




# Improve Nutrition

(David Yanez-Ruiz)

- Precision livestock nutrition – technology driven + nutrition/physiology
- Environmental efficiency
- Agricultural by-products
- Diversity of feeding systems and environmental impacts



**60 RESEARCHERS**

**23 COUNTRIES**

**46 INSTITUTIONS**



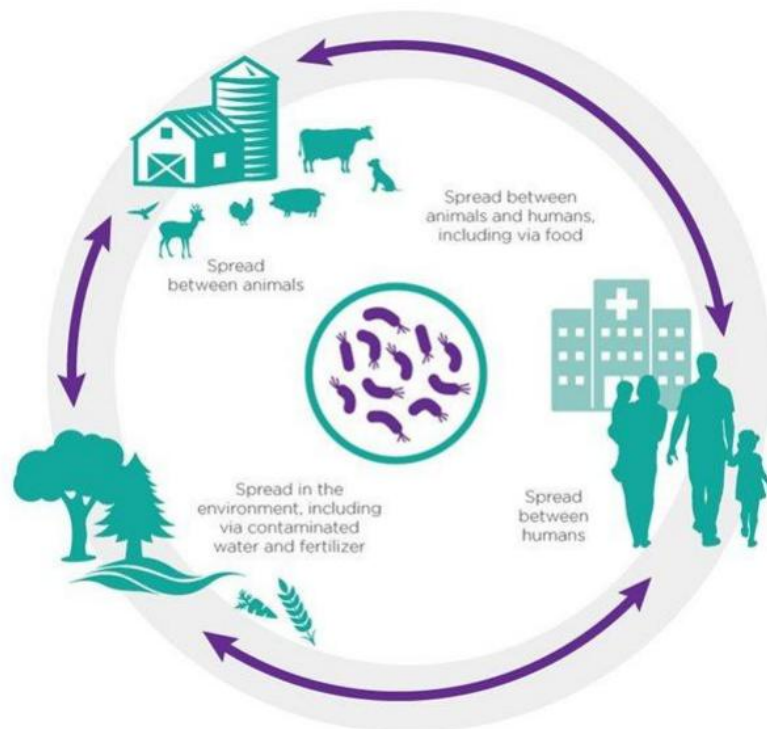
GLOBAL DAIRY PLATFORM



# Improve Health

(Charlotte Lauridsen)

## Take home message: **Future of Livestock Farming Systems – Health**



ATF strongly support all research initiatives addressing the One Health approach:

**One health (figure)** shows the interconnectivity between agriculture and animal production and human health.

**One health** is defined as a unified approach to optimize the health of people, animals and the environment, under which multiple sectors must collaborate at varying levels [www.who.int]

**One Health** approach integrated in more domains:

- Animal health and welfare
- Food and nutrition security
- The animal as a system



<https://asm.org/Articles/2024/October/Antimicrobial-Resistance-Pandemic-Breaking-Silence?>

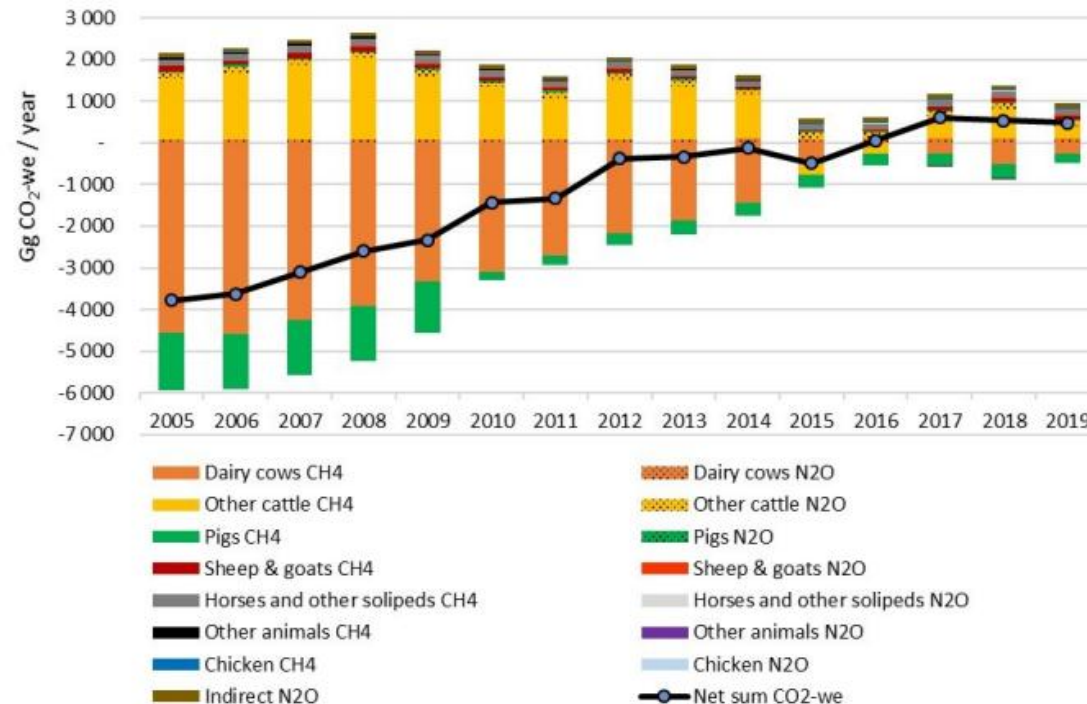
# Research Perspectives

(Claire Rogel-Gaillard and Werner Zollitch)



Aim:  
scientific solutions  
shaping resilient  
European policies

## Livestock's contribution to global warming: Case study AUT (Hörtenhuber et al. 2022)





# Industry and Farmer Perspectives

(Pedro Cordero and Katharina Schobersberger)

- The vision for agriculture acknowledges the importance of the livestock sector in sustainable food systems
- Competitiveness and food security are new priorities, next to environmental concerns and societal expectation (well being, health)
- Urgent need to tackle key vulnerabilities (critical materials as feed additives, proteins, etc.)
- Potential of “feed solutions” to support the vision (footprint, circularity, animal health & welfare)
- Innovation & research to support a resilient livestock sector, and methodologies to quantify the footprint and assess operators' investments (including circularity).
- Critical role of **atf** in the EU Research Agenda on livestock

## FEFAC contributions



## A vision for the future of livestock farming must:

- 1 Embrace the technical complexity
- 2 Consider the diversity of challenges across sectors, systems and territories
- 3 Give real prospects to the younger generation

