

**atf**

animal  
task  
force

A European Public-Private Partnership



**EAAP**

European Federation of Animal Science



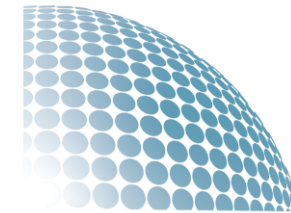
## 2<sup>nd</sup> one-day symposium of the Animal Task Force & the EAAP Commission on Livestock Farming Systems



**Livestock emissions  
and the COP26 targets**

Photo credit: Volker Hartmann/Getty Images

### Global Research Alliance on Agricultural Green House Gases



GLOBAL  
RESEARCH  
ALLIANCE  
ON AGRICULTURAL  
GREENHOUSE GASES

Hayden Montgomery  
Special Representative

# AT A GLANCE

**66**  
member  
countries



**24** partner  
organisations



Over **3000** scientists  
involved in activities of the GRA



**72** international  
collaborative projects  
supporting the GRA



**172** fellowships awarded to  
recipients from **45** countries



**4** Research  
Groups



  
Paddy Rice  
Research  
Group

  
Livestock  
Research  
Group

  
Croplands  
Research  
Group

  
Integrative  
Research  
Group



**17** Science  
Networks



**40** technical training  
workshops held



**23** technical guidelines,  
resource materials and  
databases produced





# GRA Partners

GLOBAL  
RESEARCH  
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

# Livestock Research Group

Linking global science and building global science capacity to reduce the emission intensity of livestock production systems and increasing the quantity of carbon stored in soils supporting these systems

## Networks

- Animal Health
- Animal Selection, Genetics and Genomics
- Feed and Nutrition
- Manure Management
- Rumen Microbial Genomics

GLOBAL  
RESEARCH  
ALLIANCE  
ON AGRICULTURAL  
GREENHOUSE GASES

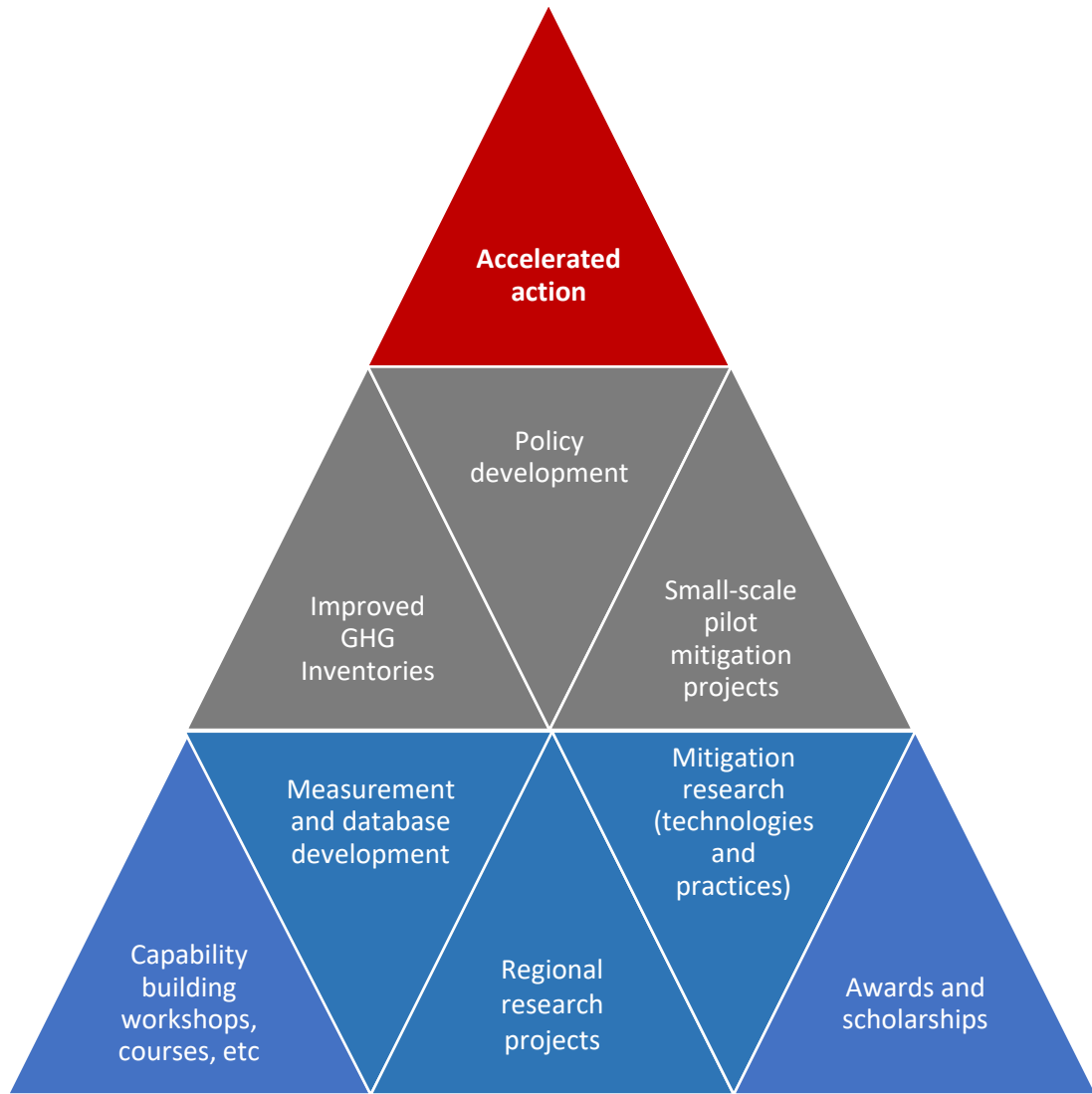
# LRG'22

Livestock Research Group  
Virtual Annual Meeting



**18, 19, 20 October** 18:00 to 21:00 UTC









Food and Agriculture  
Organization of the  
United Nations



# The role of animal health in national climate commitments



<https://www.fao.org/3/cc0431en/cc0431en.pdf>





# CLIFF-GRADS

## Purpose

- Support PhD students from developing countries to conduct research on climate change mitigation in agriculture and quantification of agricultural greenhouse gases
- Foster a network of young professionals
- Improve data on mitigation and emissions to reduce the impact of agriculture on the climate

## So far:

- Four rounds, 124 PhD students, from 32 countries
- based in 50 different institutes, from 30 different countries.
- Round 5 providing 62 additional opportunities



# Pathways to Dairy Net Zero

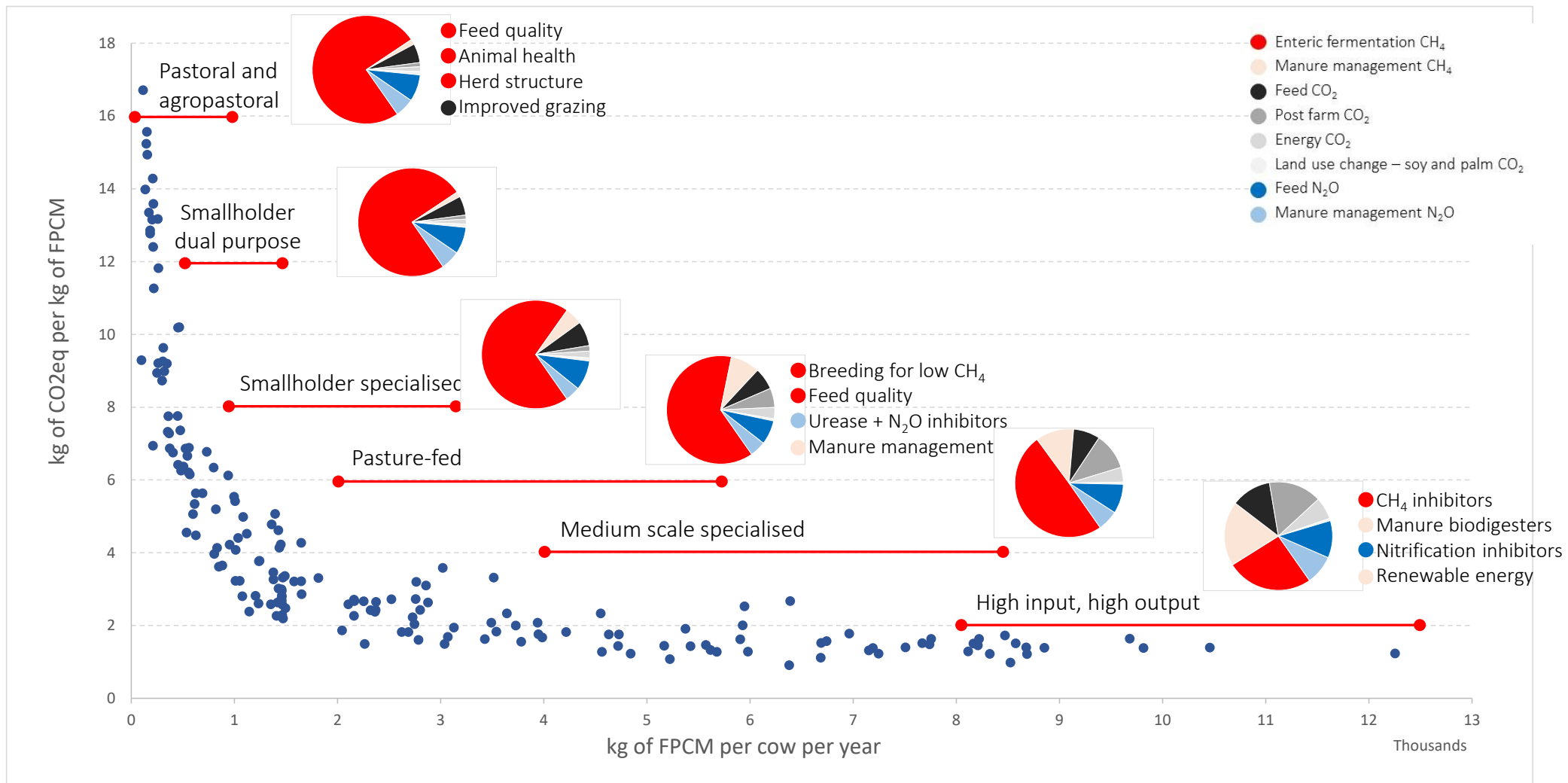
- GRA acting as a knowledge partner to the initiative.
- In partnership with FAO, have developed a two-year work programme.
- GRA is undertaking a review of current and prospective mitigation options for the global dairy sector.
- GRA and FAO developing a new dairy systems classification.
- Modelling a range of scenarios to 2050 in order to demonstrate plausible mitigation pathways, applicable to different dairy systems.

**PATHWAYS  
TO DAIRY  
NET ZERO.**

<https://www.globaldairyplatform.com/pathwaystodairynetzero/>







# GRA joined AIM for Climate as a Knowledge Partner

- § Insight sharing
- § Innovation collaboration
- § Institutional capacity building
- § Coordination
- § Demonstration and deployment



## Agriculture Innovation Mission for Climate

WORKING TO ENABLE SOLUTIONS AT  
THE INTERSECTION OF AGRICULTURE  
AND CLIMATE



*"...seeks to address the climate crisis by uniting participants to significantly increase and accelerate investment in, and/or other support for, climate-smart agriculture and food systems innovation over the next five years (2021 – 2025)."*





# GRA Flagship Projects

## Satellite monitoring of quantity and quality of available biomass in pastoral livestock systems

*Flagship Goal: To develop globally applicable tools which improve management of grassland resources and support local initiatives to mitigate and adapt to climate change.*



Thank you for your attention.

[www.globalresearchalliance.org](http://www.globalresearchalliance.org)

