

# GLOBAL RESEARCH ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

Flagship Project title: **Technical guidelines to develop feed additives to reduce enteric methane**

**Leader: André Bannink & David R. Yáñez-Ruiz**

## **Council Champions:**

1. Netherlands (tbc)
2. Spain (tbc)
3. Ireland (tbc)
4. UK (tbc)
5. New Zealand (tbc)

# Overview of project

- **Start date and project length:** September -2022 , 2 years
- **Background:**
  - Increasing interest in developing feed additives to reduce CH<sub>4</sub> emissions worldwide (Global CH<sub>4</sub> pledge)
  - Extensive research effort -- not resulted in many additives in the market or successful across systems (Hegarty et al., 2021, NZGRAC-GRA-CGIAR-CCAFS-CCAC)

# Key Participants and Resources

## ■ Current participant and resources:

1. **Feed Nutrition Network LRG**, WR (NL), CSIC (ES), Teagasc (IRE), AU (DK), Embrapa (BR) INIA (CL), UCD-UP (US), QUB-SRUC-UREAD (UK), AgResearch (NZ), Agro (CO), LCL Network (LatinAmerica) ...
2. **Resources** – Horizon-Europe ‘Re-Livestock’ & H2020 ‘MASTER’, national projects (i.e. ‘METH-ABATE’, IRE), Potential for CLIFF-GRADS & COST Action --- funding for a postdoctoral researcher needed
3. **Links** with *Fontagro* open call (Sust&Res) --- *RMG flagship on culturomics* (mode of action), other ERANET SusAn projects and international organizations

## ■ Opportunities for involvement

1. Experience in experimental feed additive research (in vitro/in vivo) & modelling of rumen fermentation processes
2. Development of farm accounting & national inventory methodology