



# HoloRuminant

Understanding microbiomes of the ruminant holobiont

- **Project coordinator:** Diego Morgavi (INRAE)
- **Partners from 17 countries:** Australia, Belgium, Canada, Denmark, Finland, France, Germany, Ireland, Israel, Italy, Lithuania, New Zealand, Norway, Spain, The Netherlands, United Kingdom and the United States
- **Budget:** € 9.724.765
- **Duration:** 1 October 2021 - 30 September 2026

## Concept

The HoloRuminant project will provide new knowledge on the microbiomes of the ruminant holobiont to address the microbiome-knowledge challenge for sustainability and resilience whilst fostering innovation. With a multi-omics holistic approach, the project will determine the connectivity between microbiomes from different body sites, their heritability and their influence on emissions, carbon footprint and phenotypic resilience to changing environmental conditions.

## Objectives

1 Characterise ruminant-associated microbiomes

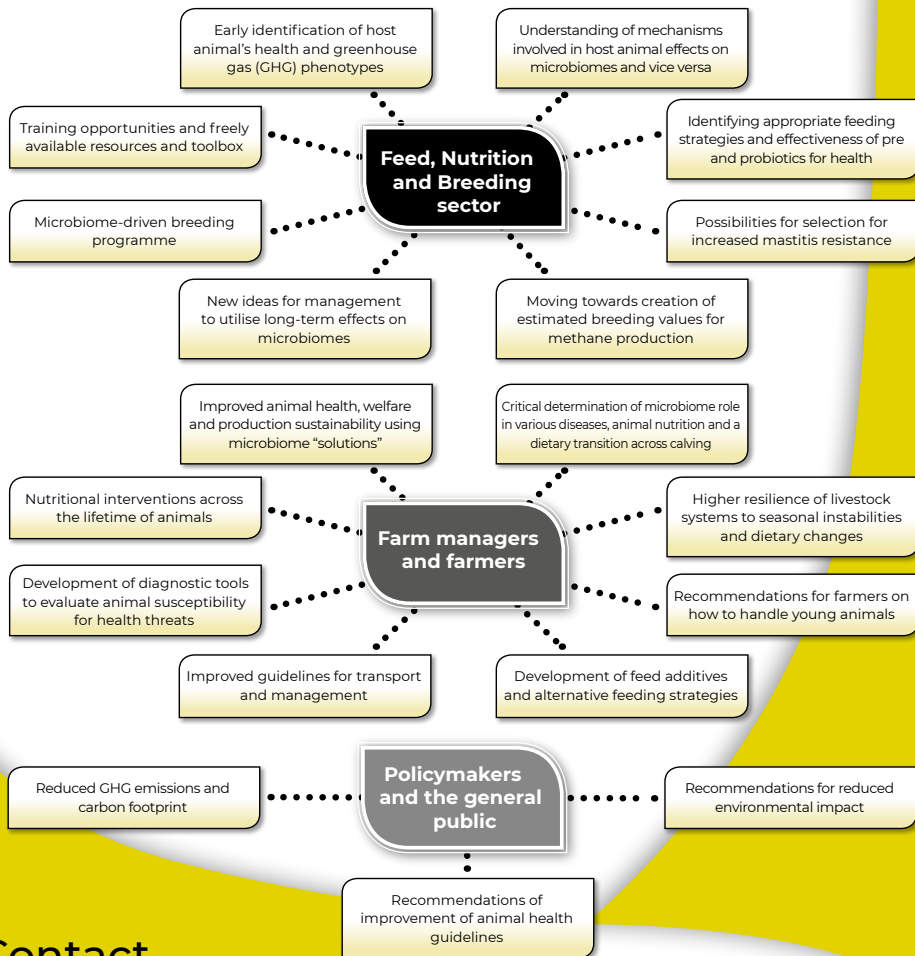
2 Define microbiome establishment and maintenance

3 Evaluate the effect of ruminant microbiomes on animal production, health and welfare

4 Facilitate the adoption of the proposed innovations by end-users

# Expected results and impacts

The project will generate new knowledge and tools shared in an open-access database (HoloR) and repository (HoloR-tools).



## Contact

Follow the project results, news and subscribe to our newsletter on:

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