

# Mesfin Mekonnen Moliso



KEY-WORDS:  
ENTERIC METHANE · CLIMATE CHANGE · DAIRY CATTLE

## PROJECT TITLE

### Mitigation of Enteric Methane Emissions in Dairy Cattle

## PROFILE

I am a second-year Ph.D. student in Agri-Food System. I hold a Doctor of Veterinary Medicine and an MSc in Tropical Animal Health. I was working for the International Livestock Research Institute (ILRI), a big branch of CGIAR.

## AFFILIATION

Department of Animal science, Food and Nutrition (DIANA)  
Università Cattolica del Sacro Cuore

## LANGUAGES

 Wolaitato - Mother tongue  
Amharic - National

 Advanced level

 Beginner level

## HOW TO REACH ME

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## Reference Contact

- Prof. Riccardo Negrini
- Prof. P. Ajmone Marsan

## Steps of the research

- Collect data on feed type, diet, productive and reproductive performances
- Organise the data
- Estimate enteric methane emission at individual and farm levels nationwide.

## Research Contribution

The results obtained would be important for developing farm-tailored mitigation strategies and will be of value for other future studies. Supporting farmers in the transition towards more sustainable dairy production is the ultimate aim of the research.

## Collaborations

- Associazione Italiana Allevatori (AIA) – Italian Breeders Association, Rome, Italy.  
Prof. Riccardo Negrini: Technical Director
- International Livestock Research Institute, Mazingira Center, Nairobi, Kenya  
Dr Claudia Arndt (Team Leader of the Mazingira Centre)

## Why should you care?

Methane is a greenhouse gas which can trap heat in the atmosphere 28 times more effectively than carbon dioxide over a hundred years period and much more over a short time period. The largest source of methane is agriculture and waste and particularly ruminants such as cattle. Dietary strategies can reduce methane emissions and also improve the production per animal.