



## What we aim to achieve

Nutrifeeds focuses on four key objectives that define its mission:

- 1. Develop sustainable, local, and regenerative feed sources:** Harnessing insect upcycling, targeted fermentation, and underused crops to replace imported protein.
- 2. Promote circularity and resource efficiency:** Transforming agricultural side-streams into valuable feed ingredients, minimizing waste and emissions.
- 3. Improve animal health, welfare, and productivity:** Creating balanced feed formulations that enhance gut health, microbiome diversity, and animal wellbeing.
- 4. Support policy, training, and long-term adoption:** Engaging with stakeholders through the European Centre for Regenerative Animal Nutrition (EC-RAN) to turn research into real-world change.

# Nutrifeeds

## Project Coordinator

Jürgen Zentek  
Institut für Tierernährung  
Freie Universität Berlin



[juergen.zentek@fu-berlin.de](mailto:juergen.zentek@fu-berlin.de)



Funded by  
the European Union

Funded by the European Union under grant agreement N° 101179992. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.

# utrifeeds

## Nourishing Europe's future through regenerative livestock feed

Local. Circular. Data-Driven.

# What is Nutrifeads?

Nutrifeeds is a Horizon Europe research and innovation project that aims to revolutionize how animal feed is produced, sourced, and valued across Europe. By developing regenerative and circular feed solutions, the project contributes directly to the EU Farm to Fork Strategy, the Green Deal, and the transition toward a climate-neutral food system.

At its core, Nutrifeads promotes a new vision for livestock nutrition, one that nourishes animals, restores ecosystems, and empowers local communities.



# Innovation Pilots



## Insect Upcycling Pilot

NUTRIFEEDS explores how black soldier fly larvae (BSFL) can convert low-value agri-food side-streams into high-quality protein ingredients for livestock feed.

## Silvopasture & Circular Farm Models:

NUTRIFEEDS tests silvopastoral systems that merge forestry and grazing, enhancing biodiversity, soil health, and carbon sequestration.



## Targeted Fermentation Pilot

Through advanced fermentation techniques, NUTRIFEEDS increases the nutritional value and digestibility of plant-based feed ingredients.

15

Partners

12

Countries

6.8

Million Euros  
Funded

4

Years of  
Duration