



Balancing production and environment

(PROENV)

Coordination: Nick Hutchings and Jeroen Pullens

Partners

- Aarhus University 
- Norwegian Centre for Organic Agriculture (NORSØK) 
- Norwegian Institute of Bioeconomy Research (NIBIO) 
- Institute of Agrifood Research and Technology (IRTA) 
- University of Milano 
- Università Cattolica del Sacro Cuore (UCSC) 

Start: April 2022 End: March 2025 Budget: ~€1.8 million



Objectives

- To test a number of GHG mitigation measures at field- and farm-scale
- To integrate livestock and manure management in field- and farm-scale GHG mitigation measures
- To investigate measures to optimize manure N utilization at the regional scale
- To compare approaches for balancing production and the impact on the environment at the farm and regional scales
- To provide open-source software to improve N management at different scales



Main features

- Field scale measures
 - Review of measures to improve manure valorisation
 - Field trials with processed manure products
- Farm scale measures
 - Livestock feeding strategies
 - Nutrient management and environmental assessments
- Regional measures
 - Landscape redistribution of manure nutrients (options and dialogue)
 - Land share, land spare and biodiversity
- Modelling and software development
 - Farm and regional software support





Further details: Jeroen Pullens (jwmp@agro.au.dk)

