

Coopid



Methods for emissions reductions and energy efficiency in farming and milk production

COOPID project | Practice Abstracts | No. 05

Author: Taru Koskinen environmental specialist & Tuomo Heikura economic advisor at Oulun Maaja kotitalousnaiset / ProAgrid Oulu ry

Contact: tuomo.heikura@proagria.fi

Country/region: Finland

Keywords: Circular economy, regenerative agriculture, Biodiversity, energy efficiency

The problem

Climate change, biodiversity loss and population growth are the global challenges of our era. These challenges affect to the whole food production sector. Humans are responsible for climate change largely due to our greenhouse gas emissions. Food production e.g. cultivation, cattle, transportation, industry, and packaging, creates emissions. The challenge is to discover and adopt sustainable methods to decrease emissions.

The solution

Smart farming is an essential way to restrain carbon emissions. Improving soil condition boosts carbon absorption and also crop yields. Usage of renewable energy, biogas production, implementation of new technologies, and improved animal welfare and feeding solutions are effective ways to reduce emissions. Some of these farm scale actions not only reduce emissions but also improve the profitability of farms.

Benefits

Emission reduction measures improve the operating conditions of food production in the future. Often, these measures also improve self-sufficiency and financial profitability of domestic agriculture.



This project has received funding from the European Union's Horizon 2020 Research & Innovation Programme under GA No.

Project
Coordinator



Communication
leader





Recommendations

1. Promote cooperation between food industry companies and biogas plants in order to utilize side streams from the food industry in biogas production in addition to manure and waste feed
2. Reduce emissions from peatlands by e.g. continuous grass cover, reducing tillage of soil, and restoration of low-yield fields.
3. Implement carbon farming methods. Improve soil condition and use fertilisation methods with lower emissions. Use carbon footprint monitoring tools to know the effect of the actions.



About COOPID and this practice abstract

This practice abstract was elaborated in the COOPID project, based on the EIP AGRI practice abstract format. © 2023

Project duration: from January 2021 to June 2023.

Goal: foster knowledge transfer among primary producers and the uptake of biobased business models in the EU primary sector.

 @COOPID_eu  COOPID EU project  www.coopid.eu

