New manure standards to improve nutrient recycling and reduce nutrient leaching

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MANURE STANDARDS
Advanced manure standards for sustainable nutrient management and reduced emissions

Flagship project for EU strategy for the Baltic Sea Region (Priority Area: Bioeconomy)

Project duration October 2017 – September 2019

https://www.luke.fi/manurestandards/en/
Why are we doing this?

- Nutrient inflow to the Baltic Sea remains higher than targeted
- Manure fertilisation regulated via Nitrate Directive, but only for some regions and with no direct consideration to phosphorus
- Most manure is spread on fields as such (without processing)
- Farm-specific nutrient bookkeeping, incl. manure fertilisation plans, variably used and with different methods
- Estimations of the nutrient inflow into the Baltic Sea transnationally incomparable due to challenges in measuring and modelling the runoff and in depicting the share of manure-based runoff

\[ \text{impact of manure data (quantity, quality) on fertilising effect and emission potential is significant} \]
Partnership

19 Project partners from 9 countries

Plus 32 Associated Organisations from 9 countries

Representing national ministries, authorities, NGOs, advisory organisations, education, SMEs
What will we achieve?

Enhanced knowledge and competence of the target groups in sustainable manure management via use of new, jointly developed and scientifically-based manure tools

- Farmers and advisory have clear guidelines and recommendations on how to use the new manure tools in improving their farming practices
- Policymakers and authorities have clear guidelines and recommendations on how to use the new manure tools for more efficient policy making and monitoring (national and transnational)

Proper farm-level nutrient bookkeeping, incl. fertilization plans and nutrient balances, enhance manure use, increase nutrient recycling and reduce emissions to water and air.
Manure is a valuable resource to be used efficiently.

Find us online: https://www.luke.fi/manurestandards/en