

# MANURE STANDARDS



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## Baltic Sea Region towards more harmonised manure data

- In 2013, a Ministerial Declaration was made to have
  - National manure standards for manure nutrient content (2016) and
  - Joint recommendations/guidelines for their use (2018)
- First draft of the HELCOM recommendation on the use of national manure standards was discussed at the HELCOM Agri group meeting in spring 2018



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# Advanced manure standards for sustainable nutrient management and reduced emissions

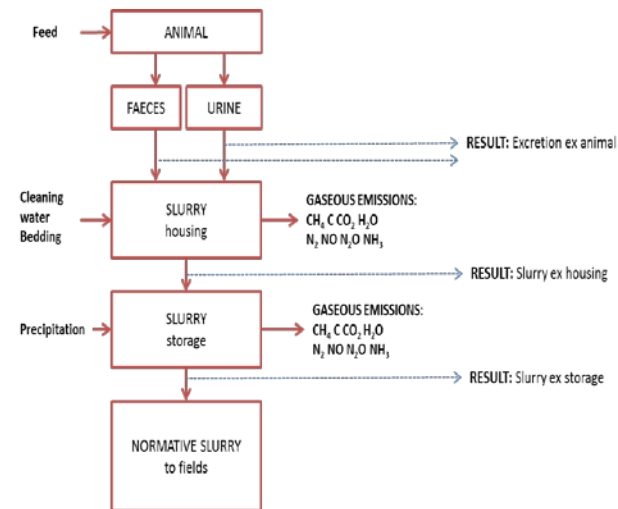
- 19 partners in nine Baltic Sea countries
  - Lead partner: Natural Resources Institute Finland (Luke)
- 2.89 M€ mainly from Interreg Baltic Sea Region Programme
  - A flagship project for the EU Strategy for the BSR
- Two years: 10/2017 – 09/2019



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## Two joint guidelines to be developed

- Comparison of current manure sampling and analysis methods + manure management surveys
  - Testing with pilot farms and laboratories in all BSR countries
  - **OUTPUT:** joint guidelines for manure sampling and analysis
- Development of a basic template for manure mass balance calculation
  - Comparison of existing methods, development of existing models
  - Validation with data from pilot farms
  - **OUTPUT:** joint calculation tool for manure quantity and quality



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## Impacts on manure use and regulation

- Impact assessment between current national manure data and new data provided by the methods developed
  - Environmental: potential change in nutrient fluxes, nutrient balances and emission potential when using the new data as the basis for manure fertilisation plans
  - Economic: potential change in e.g. required field area and manure storage capacity and the costs involved
  - Testing with pilot farms and on regional, national and transnational level
  - **OUTPUT**: recommendations for enhanced manure use via farm-scale nutrient bookkeeping and more effective policymaking using the new manure data



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*Thank you!*

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