

Draft HELCOM Recommendation on the use of national manure standards



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RECOMMENDS to the Governments of the Contracting Parties to the Helsinki Convention:

- to update the national standard values for manure every x years following the Guidance for advanced manure standards and sampling (Annex 1) taking into consideration geographical and climate conditions as well as the practices and structure of the national livestock sector and current manure management (Annex 2),
- to ensure efficient utilization of nutrients through annual fertilization planning at farm level, taking into account soil and climate conditions, soil nutrient content and soil type, previous crop as well as the planned crop,
- to use updated national standard values for manure in fertilization planning and nutrient bookkeeping in compliance with the limit of 25 kg/ha phosphorus and 170 kg/ha nitrogen from manure annually or national fertilization limits if stricter than the limits in Annex III part II of the Helsinki Convention,
- that in case complementary analysis of nutrient content in manure is needed, manure sampling and analysis are carried out in accordance with the Guidance for advanced manure standards and sampling (Annex 1),
- that in case manure is processed, sampling and analysis to determine the nutrient content of the processed products are also carried out following the Guidance for advanced manure standards and sampling (Annex 1)
- to utilize the national standard values for manure to identify areas with surplus of nutrients, to quantify nutrient load from agriculture and to evaluate the effectiveness of measures in order to reduce nutrient leaching and to support implementation of the EU Nitrates Directive, Water Framework Directive and Russian Federal Water Code as well as implementation of other relevant national or international water protection regulations,
- to use the national standard values for manure in inventories and reporting of ammonia and greenhouse gas emissions,
- to use the national standards to enhance nutrient recycling and setting targets for nutrients to be recycled from manure,
- to use various regional platforms for international dialogue to exchange information regarding manure data to further advance the national standards,

REQUESTS the Governments of the Contracting Parties to report on the implementation of this Recommendation by reporting the developments of national manure standards every x years.

Annex 1. Guidance for advanced manure standards and sampling

Guidance for updating national standards for manure nutrient content
[to be added when the results from Manure Standards project are ready]

Guidance for manure sampling and analysis

[to be added when the results from Manure Standards project are ready]

Annex 2. Guidance for collection of manure management data

[to be added when the results from Manure Standards project are ready]



Accuracy of manure data dependent on accuracy of input data

Manure ex animal

Animal category
Number of animals
Feed, water

Manure ex housing

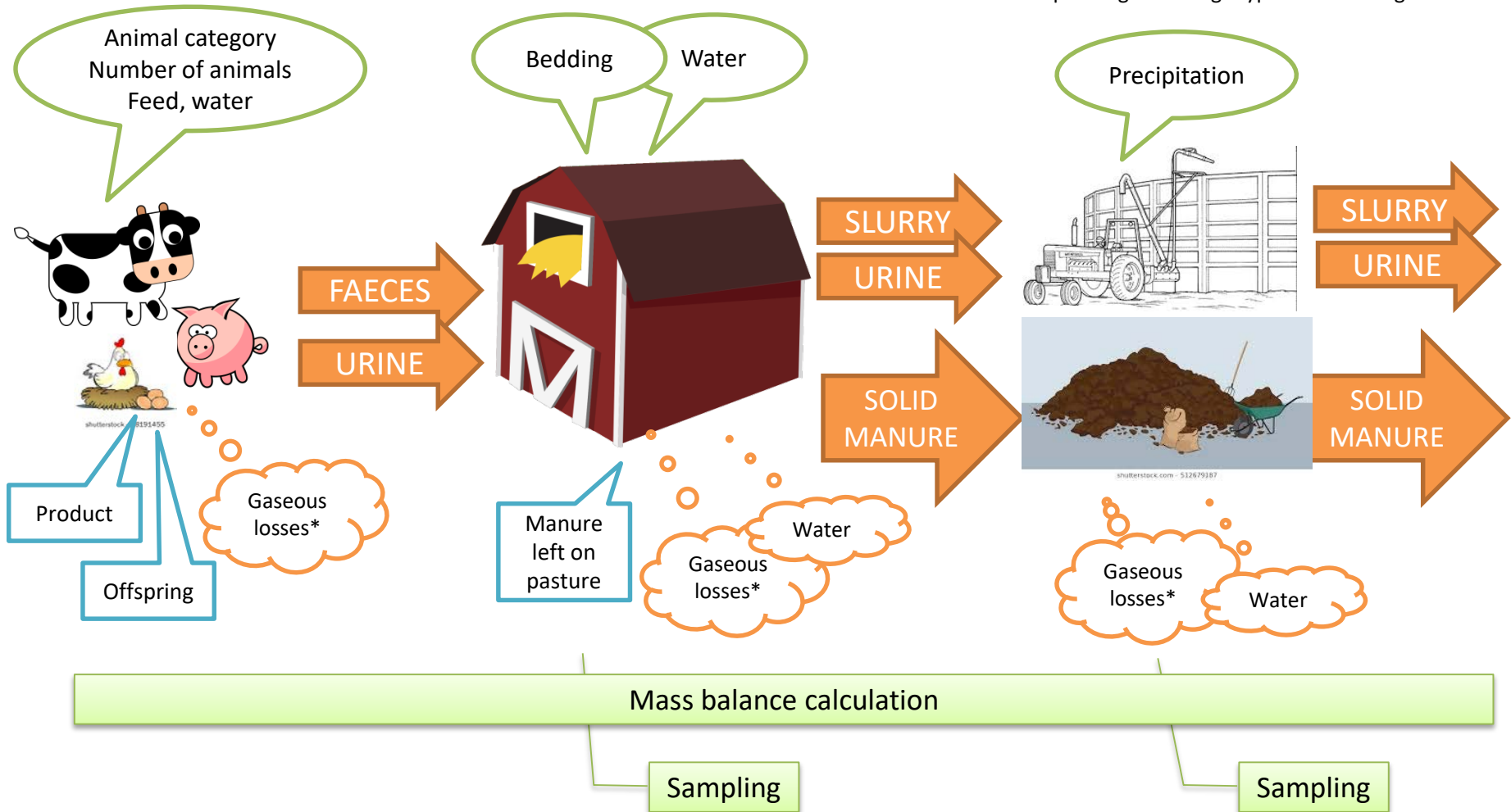
Depending on housing technology

Bedding
Water

Manure ex storage

Depending on storage type and covering

Precipitation



* NH₃ + other N-compounds, CO₂, CH₄, NMVOC depending on the step in the manure management chain

Annex 1. Guidance for advanced manure standards and sampling

Guidance for updating national standards for manure nutrient content

- Instructions for manure data collection using mass balance calculation
 - Documentation of the calculation tool as the basic instrument describing the method
 - Potential national development to better apply to national production conditions (e.g. adding housing and storage technologies, using national emission coefficients)

Guidance for manure sampling and analysis

- Instructions for representative sampling (simple guideline for farmer, more elaborate guideline for professional sampler)
- Recommendations for most suitable manure analysis methods

Annex 2. Guidance for collection of manure management data

- Survey (template) for collecting sufficient farm data on
 - Animal growth, reproduction, product yield and feed
 - Housing technologies, incl. amount and type of bedding and water directed to manure
 - Storage technologies, incl. esp. covering

Thank you!