



AGRI 1-2014

Group on Sustainable Agricultural Practices
Copenhagen, Denmark, 20-21 November 2014

Contribution from Russia



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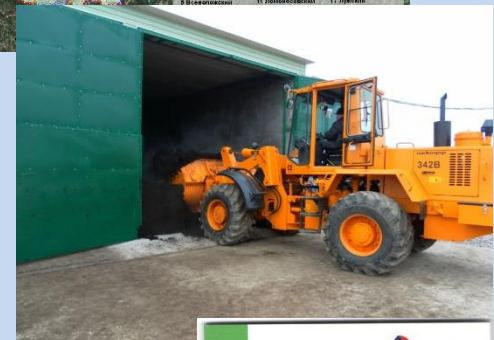
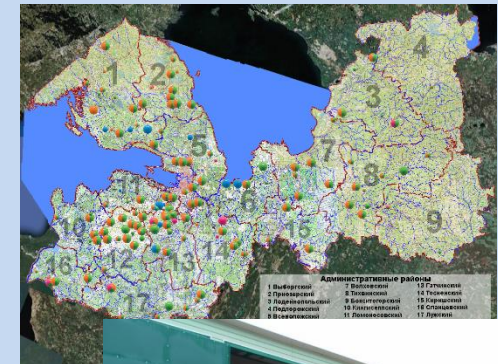
Institute for Engineering and Environmental Problems
in Agricultural Production

November 20-21

PROJECT BALTHAZAR HELCOM 2009-2012

BALTIC HAZARDOUS AND AGRICULTURAL RELEASES REDUCTION

- **Monitoring of agricultural enterprises and detection of hot spots**
- **Analysis and justification of technical and technological solutions of processing and use of manure**
- **Organizing of industrial environmental control of systems of manure processing**

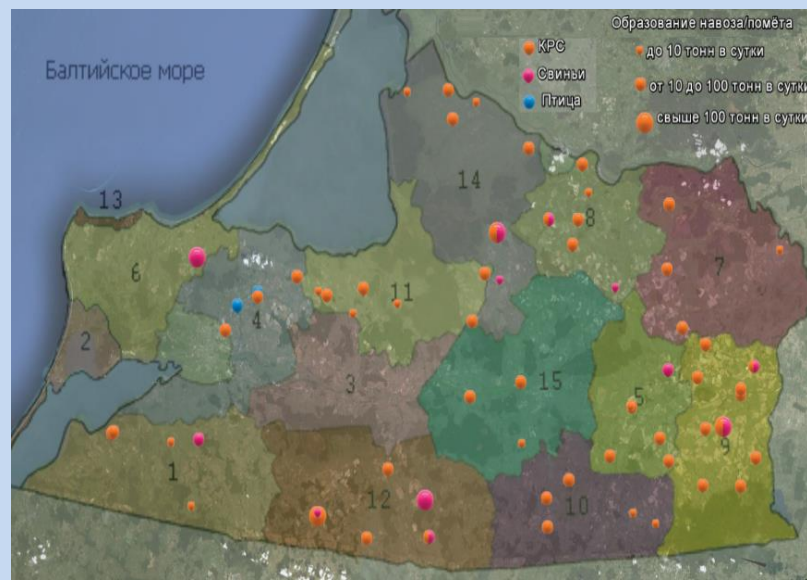


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Project BASE – HELCOM

Implementation of the **Baltic Sea Action Plan** in Russia

- Working out of recommendations for justification of eco-friendly disposal and operation of livestock and poultry farms of the Kaliningrad region
- Justification of the project of document for economic stimulation of agricultural enterprises engaged in processing and use of manure





Proposal of a new HELCOM project “Manure Nutrients Management”

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Background

- The lack of information concerning variation in manure nutrient content and the reasons for that.
- Available data on nutrient losses at different stages of manure handling under different conditions are not sufficient for effective nutrient management
- Guidelines on Environmentally Friendly Manure Handling have to be well scientifically substantiated

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Aim and tasks

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- Project Aim – to ensure efficient manure nutrients management in the Baltic Sea basin
- Project Tasks:
 1. To collect relevant data available on national and regional levels;
 2. To identify the manure handling stages where research is needed and to plan experimental work;
 3. To carry out experiments, to collect and analyze the data and to create a tool for calculation of manure nutrients variation and loss;
 4. To prepare HELCOM Guidelines on Environmentally Friendly Manure Handling.

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Project stages

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Stage 1:

A questionnaire on the state-of-the-art of manure nutrients management in the Baltic Sea countries will be prepared and sent to relevant national agencies

- The acquired data will be analyzed and the report for the HELCOM Agri group meeting will be prepared

Stage 2:

Project application will be prepared based on the HELCOM Agri group

Stage 3:

Project implementation.

Project outputs

- the software to calculate the content of nutrients in the manure depending on feeding and housing conditions of animals and nutrients flows from farm to field in the process of manure handling;
- HELCOM Guidelines on Environmentally Friendly Manure Handling with due account of national standards for nutrient content in manure.

The project will also contribute to the Annex III revision.