

## Project “Integrated Nitrogen Management System for the Gulf of Riga” (GURINIMAS): Introduction to Project

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## Background

- Stringent environmental legislation to curb emissions of ammonia and NOx, and losses of nitrate by leaching in Estonia and Latvia
- HELCOM Baltic Sea Action Plan targets to reduce annual nitrogen load - Estonia by 1800 tonnes and Latvia 1670 tonnes by 2021
- Challenge - how to effectively control nitrogen transport in the catchment and to the sea and to better understand mechanisms for transformation of Nr

## Objective

- Develop an integrated nitrogen management system for the Gulf of Riga in close cooperation between Estonian and Latvian authorities and research institutions
  - involves economy wide inventory of the nitrogen cycle and definition of the risk areas in the Gulf of Riga catchment where to act
  - additional, cost-effective measures to control internal flows between sectors of the economy/ ecosystems; for this, cost of possible measures has to be compared with the realistic expected outcome, and the most effective measures have to be identified
  - provides a harmonised framework for Estonia and Latvia, to be implemented afterwards by Estonia and Latvian authorities.

## Stakeholders

- State institutions and agencies, incl.: Estonian Environmental Board, Estonian Environment Agency, Estonian Ministry of Rural Affairs, Latvian Ministry of Environmental Protection and Regional Development, Latvian Ministry of Agriculture
- Research/ academic institutions, incl.: Estonian University of Life Sciences, University of Latvia, Riga Technical University
- Local authorities, private and non-governmental sector organisations, incl.: Municipalities close to the area of Gulf of Riga, Agricultural producers, producers associations, water companies

## Work packages

Work package	Result
Wp M - Management	On-time and correct management of Project activities by LP and PPs
Wp T1 - Development of Methodology	Joint model for analysis that will provide coherent data in both countries, by analysing and modifying the existing OECD research methodology
Wp T2 - Analysis of Data	Preparation of nitrogen balance and definition of risk areas in the Gulf of Riga, based on inventories of nitrogen sources and flows
Wp T3 - Development of GURINIMAS and Dissemination of Results	Organisational arrangements for joint monitoring of nitrogen load and additional cost-effective measures to reduce the input to the Gulf of Riga Regional seminars, final conferences and a web-based solution to introduce the system

## Partners and Budget

Project is implemented in the framework of Interreg Estonia-Latvia programme in the period April 2017 – September 2019, incl. programme contribution EUR 363 196,50 EUR and partners self-contribution EUR 64 093,50.

Partner	Budget
1 - Ministry of Environment of Estonia	€89 790,00
2 - Tallinn University of Technology	€125 000,00
3 - Latvian Environment, Geology and Meteorology Centre	€87 000,00
4 - Latvian University of Agriculture	€35 000,00
5 - Latvian State Forest Research Institute "Silava"	€50 500,00
6 - Latvian Institute of Aquatic Ecology	€40 000,00