

VeeVeeb(WaterWeb) – water information system for water specialists and an interface for the public to gain access to information regarding the aquatic environment



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Estonian Environment Agency

Interreg Project kick-off meeting, 10.05.2018, Burtnieki



Project

- Name: **Development of data-modeling system and the decision support tool for the integrated marine and inland water management**
- Project promotor
 - Estonian Environmental Research Centre
- Project partners
 - Estonian Environment Agency
 - Environmental Inspectorate
 - Environmental Board
 - Bioforsk (Norway)
 - IT Centre of the Ministry of the Environment
- Financed by EEA grants
- Project started at 2014

Cooperation

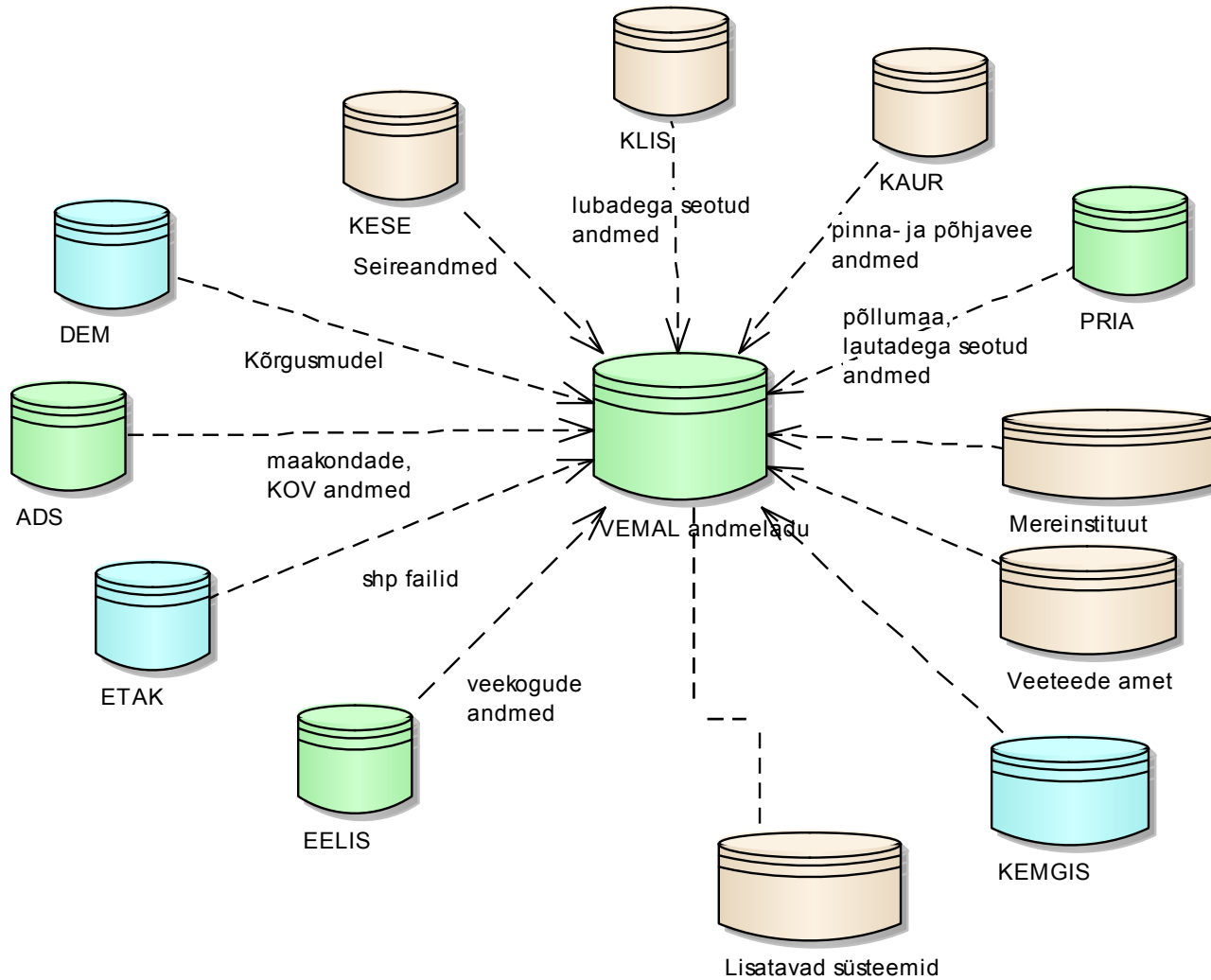
- Experts from major Estonian universities were involved in project:
 - Tallinn University of Technology
 - University of Tartu
 - Tallinn University of Technology, Marine Systems Institute
 - University of the Life Sciences
 - Tallinn University
- IT development partner - Datel

Main outcomes

- A joint information system with models and different applications has been developed which enables, by combining monitoring data with mathematically modelled data, to:
 - ❖ Assess status of surface waters and plan measures
 - ❖ Issue environmental permits
 - ❖ Compile several national reports
 - ❖ Identify and locate areas sensitive to pollution
 - ❖ Facilitate day-to-day work of water specialists

Databases linked with VeeVeeb

Business Process Seotud süsteemid



Models associated with VeeVeeb

- Estmodel – steady state statistical model for calculation of nutrient fluxes to surface waters and separation of natural and human-caused loads
- Vollenweider – calculation of phosphorus load in lakes
- ERGOM – biogeochemical characteristics of sea and big lakes (Department of Marine Systems of Tallinn University of Technology)
- HYPE - hydrological catchment model, water flow and substances

Demo

<https://veeveeb.envir.ee/>