

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

Rain Elken
Estonian Environment Agency
Baltic Drainage Conference, 24.05.2018, Laulasmaa



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

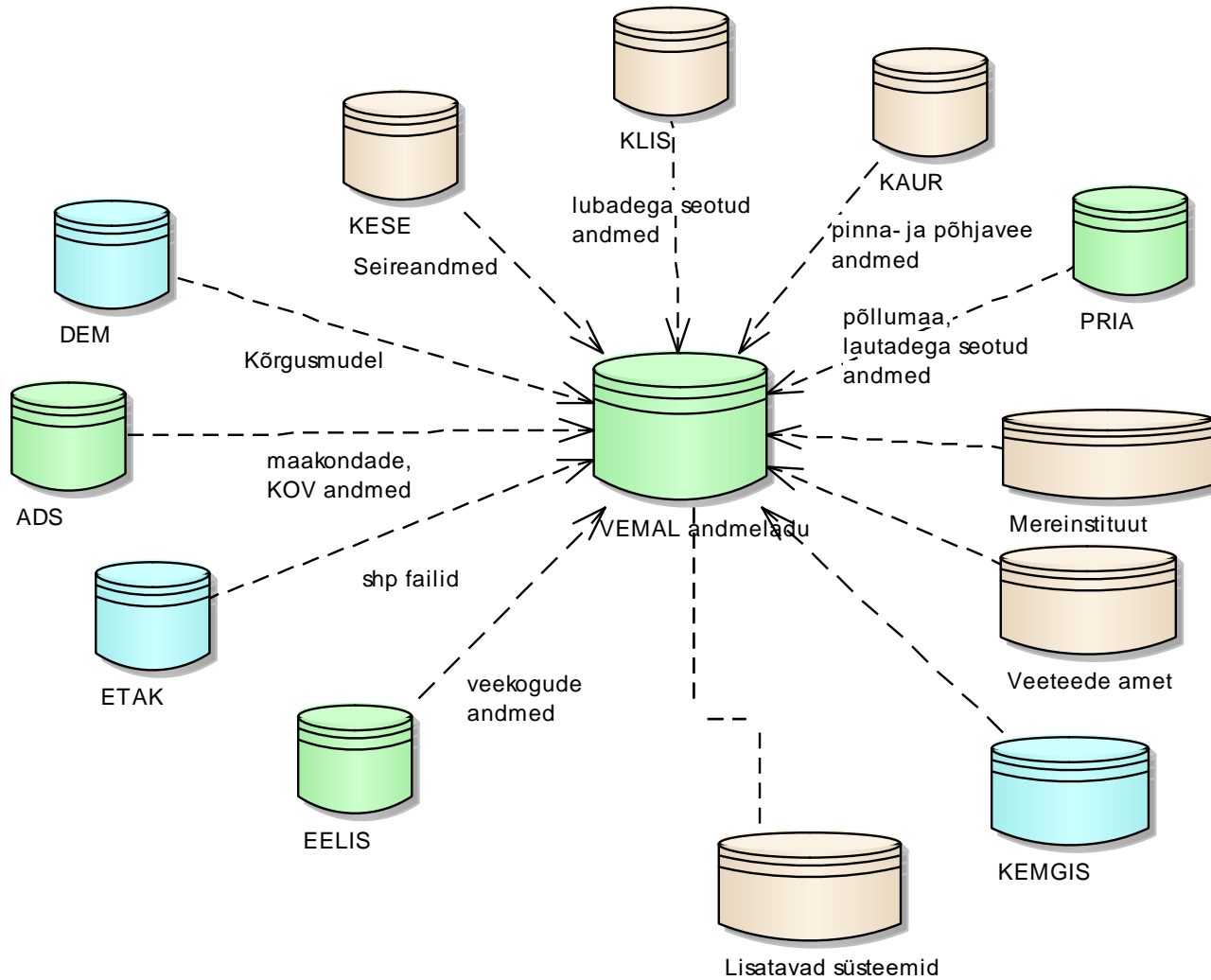
- Experts from major Estonian universities were involved in project:
 - Tallinn University of Technology
 - University of Tartu
 - Tallinn University of Technology, Marine Systems Institute
 - University of the Life Sciences
 - Tallinn University
- IT development partner - Datel

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/>