

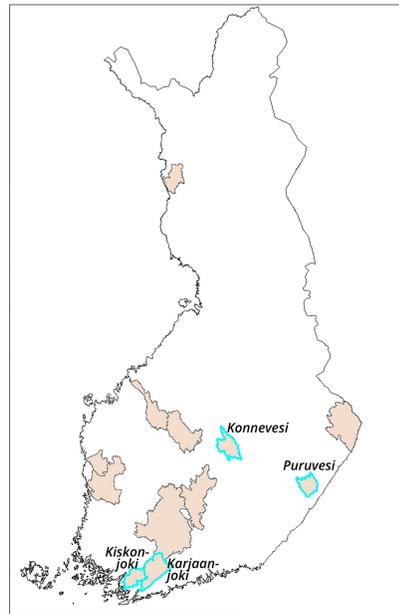
FRESHABIT – Freshwater Management with a Geological Twist

Introduction

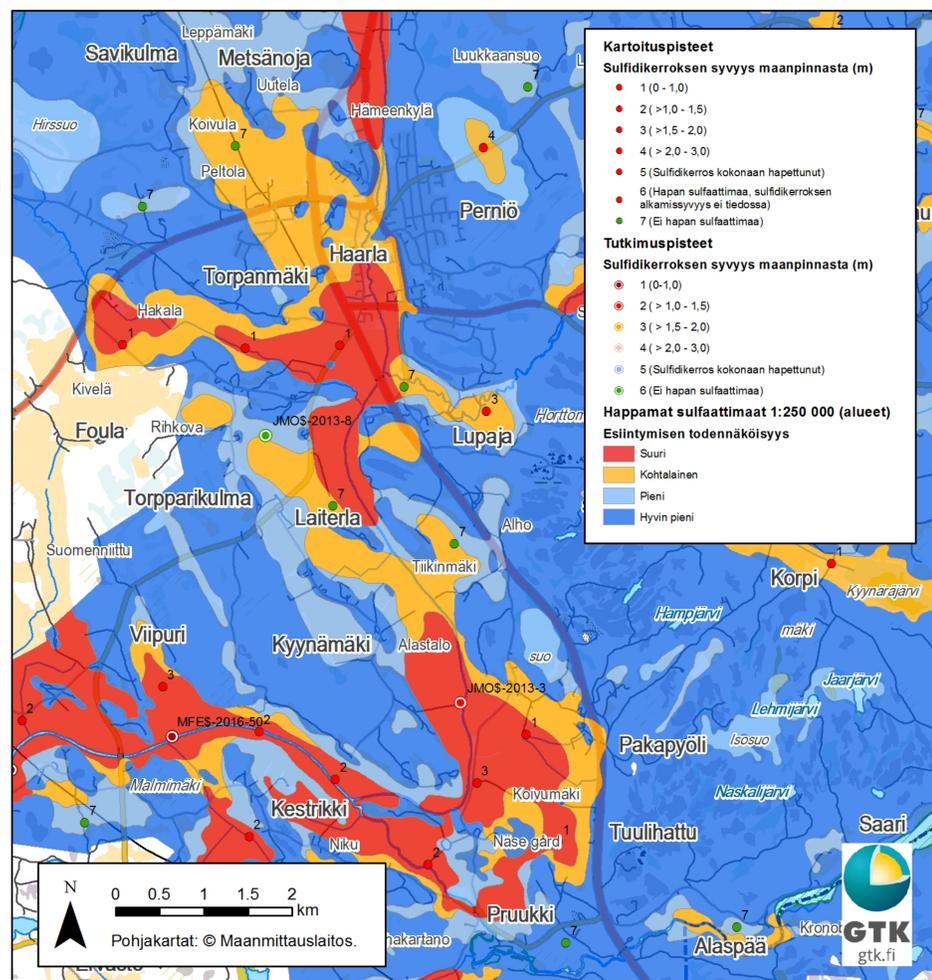
European freshwater related directives (Water Framework Directive, Habitats and Birds Directive) have a common goal of protecting the freshwater environment, but integration and means are largely missing due to the shortage of funding and co-operation networks. Other directives, such as Floods Directive and Groundwater Directive are concerned with controlling and using the freshwater resources. In this nexus of multiple directives the ecosystem services, biodiversity and cultural heritage need to be harmonized with the sustainable use of freshwaters.

FRESHABIT -project aims at improving this situation by adopting best practices and creating demonstration practices into reproducible operational models and coordination structures towards effective freshwater habitats, species and resources management.

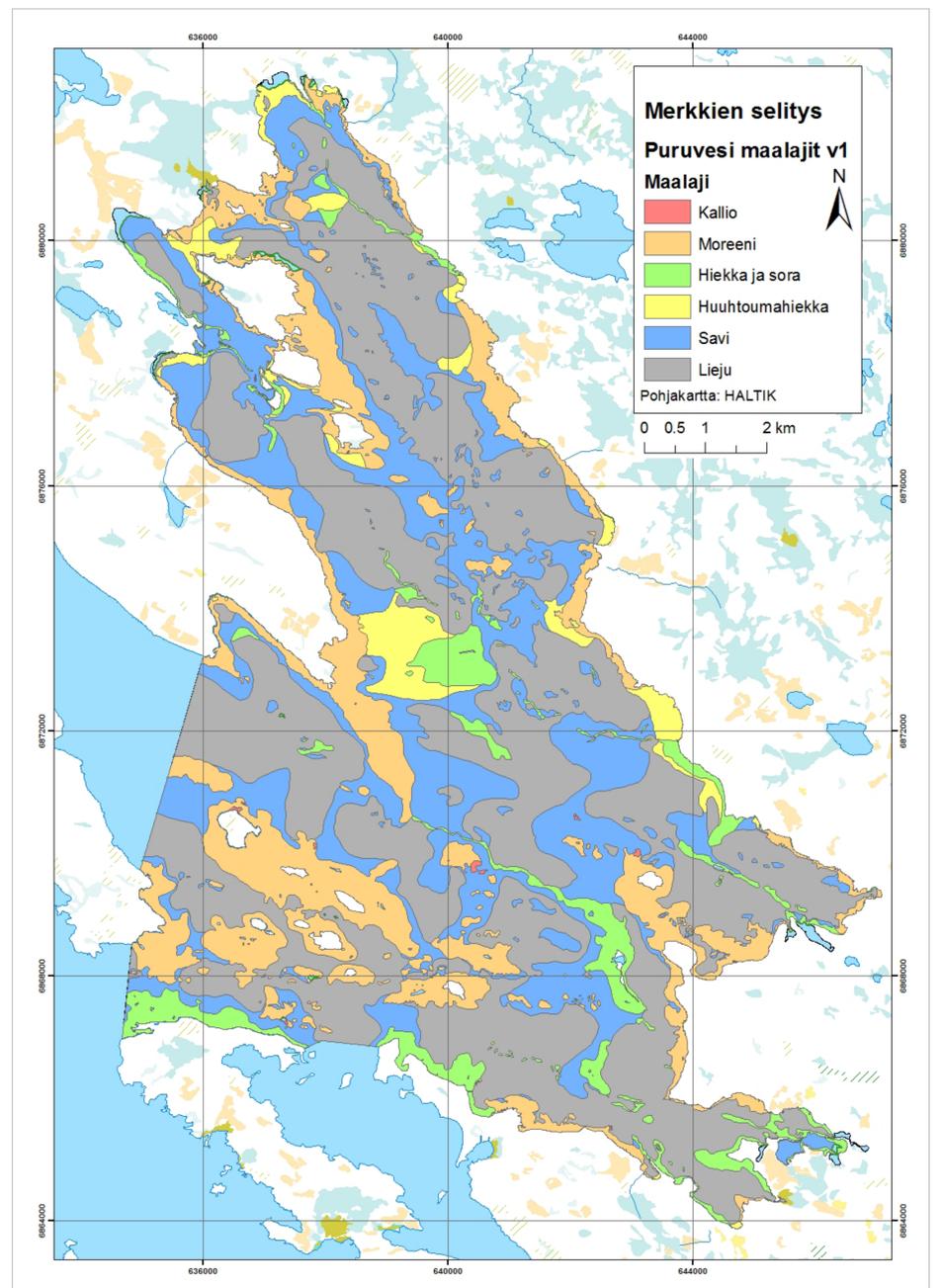
With 30 partners, eight target areas, the duration of seven years and a budget of 25 M€ it is the largest ever EU Life project in Finland



Picture 1. FRESHABIT-project target sites. Geological study sites are highlighted.



Picture 3. Part of an acid sulfate soil map, Perniönjoki – Kiskonjoki target sites.



Picture 2. Bottom sediment map of Puruvesi target site.

Geology in FRESHABIT project

GTK's role in FRESHABIT is to act as a national level geological expert organization and to provide both new and existing geological data for project areas. A background data package of existing geological data is produced for every project target area covering e.g. the geological and geochemical information of their catchment areas. New data is produced in two lake areas by means of acoustic-seismic studies and in two river catchment areas by conducting acid sulfate soil surveys.



Geological Survey of Finland

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