

Submarine groundwater discharge from coastal peatlands

Data publication

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1. General Information

Dataset title: Submarine groundwater discharge from coastal peatlands

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2. Objective/Problem Statement

The objectives of this study were to quantify submarine groundwater discharge from a coastal peatland located along the Baltic Sea, and to determine the factors that govern terrestrial SGD from peatlands in low-lying coastal environments by assessing the impact of soil hydraulic properties, sea and groundwater levels, and geological stratification and topography.

3. Description

The data set comprises input parameters, boundary conditions and the resulting steady-state terrestrial submarine groundwater discharge rates from coastal peatlands simulating different scenarios with the HYDRUS model.

4. Data Format

.csv

5. Archive Structure

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6. System Requirements

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References/Bibliography

Racasa, E.D., Lennartz, B., Toro, M., Janssen, M. 2021. Submarine groundwater discharge from non-tidal coastal peatlands along the Baltic Sea. *Frontiers in Earth Science* 9:665802. DOI: 10.3389/feart.2021.665802