



## **The temporal variation of redox potentials in peatlands**

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The redox potential (Eh) of peatland soils is an important indicator for potential biogeochemical processes. Currently it is custom to measure the Eh semi-continuous at more than one depth. The time series that come out of these measurements can show high variability, but at times the redox potential is very stable over time. This poster presents some examples of this variability and discusses the greatest causes for temporal variability. Data from measurements in peatlands in Scandinavia, Germany and the Netherlands are presented. We will show that temporal variation of Eh can be used to estimate biogeochemical functioning of wetland soils and that variability is more informative than the absolute value by itself.