

Interactive
Comment

Interactive comment on “Microbial reduction of iron and porewater biogeochemistry in acidic peatlands” by K. Küsel et al.

Anonymous Referee #1

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This study reports on the porewater biogeochemistry of acidic fen soils in central Europe and the predominant role of iron reduction among anaerobic degradation processes after shifts from oxic to anoxic conditions. In addition, soils were screened for known iron reducing microorganisms by PCR. The study is well conducted and the conclusions are all supported.

Minor comments

p. 2171 lines 19-26 The detection limits should not be given only for acetate but also for all other measured short chain aliphatic acids as well as for NH_4^+ , $\text{NO}_3^-/\text{NO}_2^-$, sulfate and sulphide.

Interactive comment on Biogeosciences Discuss., 5, 2165, 2008.

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