

Interactive comment on “Changes of the CO₂ and CH₄ production potential of rewetted fens in the perspective of temporal vegetation shifts” by D. Zak et al.

Anonymous Referee #1

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This study brings valuable contribution to a better understanding of decomposition and nutrient fluxes processes after rewetting of fens. The results of this study can be applied in restoration planning and in post-restoration management in this type of ecosystem to influence final GHG emissions and leaching of nutrients. I especially appreciate very precise design of the whole experiment, when all potential effects of mesocosm incubation on final results were considered and discussed. The results are well discussed and compared with other studies. Implication for peatland restoration are also well described and discussed and conversion of results from mesocosm experiment to real scale is very important and useful. The conclusion are well justified by the data and nicely extend existing information.

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