

Interactive comment on “Modelled present and future thaw lake area expansion/contraction trends throughout the continuous permafrost zone” by Y. Mi et al.

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Additional remarks by the authors:

During the revision of the paper, an error was discovered in the model runs. It proved that the model was not run with the real present-day lake configuration for each site but with a randomly generated lake landscape. We have corrected this error and repeated the model runs therefore. Additionally, based on the comments of referee 3 we have decreased the temperature sensitivity of the lake expansion rate (b parameter in equation 2). This also explains why model results are different from the first version of the paper, in particular for the future climate simulations. The text of the Results and

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Discussion sections have been adapted to these new model results.

We thank the referees and the discussion on the assumptions behind our model.

Interactive comment on The Cryosphere Discuss., 8, 3603, 2014.

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