

## ***Interactive comment on “A model of the methane cycle, permafrost, and hydrology of the Siberian continental margin” by D. Archer***

**Anonymous Referee #2**

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In his manuscript, D. Archer actually refers 6 times to SpongeBOB model in the main text but does not claim it is a publically available software as stated by G. Tzipenko as far as I can see in the paper. I agree that all published models should be publically available with all necessary documentation but although progresses have been made, it is to be observed that this is not the case worldwide. I don't think one can blame D. Archer alone for that. However, in his 2012 publication, D. Archer provided a detailed description of the model with the different physical parametrisations explained (incl. mathematical expressions). I encourage D. Archer to answer the more technical comment made in the second part of G. Tzipenko's comment, but I think that the overall comment from G. Tzipenko is partly unfair.

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Interactive comment on Biogeosciences Discuss., 11, 7853, 2014.

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