

## ***Interactive comment on “Radiative forcing by forest and subsequent feedbacks in the early Eocene climate” by U. Port et al.***

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This is a very interesting study. The authors do a sound job trying to disentangle the various feedbacks on the vegetation induced temperature change. However, in agreement with Referee #1 I find the temperature response over Antarctica in Fig. 7 to be the opposite to what one would expect. I say this because we published a paper last year in GRL where we examined the effect of forests on the Antarctic glaciation (Liakka et al. 2014). Using the NCAR model, we found that forests have a warming effect on the Antarctic surface due to albedo effects. Maybe the authors could give some comments on this (unexpected) response in the revised version?

Best regards, Johan Liakka

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Reference: Liakka J., F. Colleoni, B. Ahrens, and T. Hickler (2014): The impact of climate-vegetation interactions on the onset of the Antarctic ice sheet, *Geophys. Res. Lett.*, 41(4), 1269–1276.

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