

***Interactive comment on “A novel approach to
climate reconstructions using Ensemble Kalman
Filtering” by J. Bhend et al.***

V. Rath (Editor)

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Dear Authors,

your manuscript has now been reviewed by four referees. The spread of their evaluation is considerable, ranging between straightforward "reject" and "minor revisions". The majority of reviewers, however, thinks that this article shows promise, and could be published after some necessary revisions. Given that the use of data assimilation (DA) techniques is an emerging field of research in paleoclimate, you are invited to submit a revised manuscript to CP. From the serious criticisms of the reviewers it follows that the methodological part should be expanded. The reviewers have made many, and detailed suggestions for that. Though I do not follow Pavel Sakov in his overall pessimistic approach to DA in paleoclimate, I think it should be made very clear, that the more or

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less positive results shown here represent only a necessary condition for the suitability of DA in this area.

All the best, and thanks for publishing with us, Volker Rath

Interactive comment on Clim. Past Discuss., 7, 2835, 2011.