

## ***Interactive comment on “Satellites reveal an increase in gross primary production in a greenlandic high arctic fen 1992–2008” by T. Tagesson et al.***

**G. Wohlfahrt (Editor)**

georg.wohlfahrt@uibk.ac.at

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The paper bg-2010-14 has been assessed by two reviewers, who both recommended rejecting the paper. While both reviewers (and myself) felt that the authors address an important science question, they felt that the scientific quality and the presentation of the paper were too poor for publication in BG. The most crucial point it appears is a poor performance of the model used to infer the temporal change in GPP from satellite data which makes the conclusions drawn by the authors very uncertain. In addition, at least part of the methodology is unclear which makes it difficult to fully assess the validity of the methods (and thus the results).

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Given these major concerns, in particular regarding model performance, I am not sure whether it is feasible for the authors to revise their paper so that it eventually becomes acceptable for publication in BG and I recommend the authors carefully consider whether they will be able to successfully make this step. Should the authors nevertheless decide to submit a revised paper, the revision should be line-numbered and be accompanied by a detailed point-by-point reply to the reviewer comments. Due to the clearly negative reviewer assessment I will try to have both reviewers assess any revised paper.

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Interactive comment on Biogeosciences Discuss., 7, 1101, 2010.

**BGD**

7, C614–C615, 2010

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