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Comment

Interactive comment on “GAPPARD: a computationally efficient method of approximating gap-scale disturbance in vegetation models” by M. Scherstjanoi et al.

M. Scherstjanoi et al.

marc.scherstjanoi@wsl.ch

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We added a paragraph to the introduction to name existing LPJ-GUESS parameterizations and their characteristics and to highlight the need for our parameterization.

We improved the readability of all figures by applying larger font sizes and thicker lines.

In fact, different sets of deterministic simulations to interpolate with the GAPPARD method would be interesting to have. However, our main aim is to introduce the method. Like discussed, a detailed analysis of the influence of such nodes and their positioning preferably should be combined with extreme climatic events and could be a topic of a following paper. Concerning the simulation times, different starting points for

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simulations without disturbances would not have a big influence: the most simulation time consuming run is the one that includes the spinup (important to also consider old trees). I added some sentences to the results chapter explaining that.

For detailed comments see the supplementary pdf file.

Please also note the supplement to this comment:

<http://www.geosci-model-dev-discuss.net/6/C918/2013/gmdd-6-C918-2013-supplement.pdf>

Interactive comment on Geosci. Model Dev. Discuss., 6, 1021, 2013.

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