

Response GMD referee comments

RC: Sem Geerts

I think the authors did a great job in improving the quality of the manuscript, which I consider ready for publication. I especially appreciate the effort put into including a 3D model simulation, the embedding of computational costs, and the explicit discussion that frames the developed model within the realm of morphodynamic models. The quality of writing has greatly improved, and I enjoyed reading this final manuscript. Especially the detailed analysis of the influence of the bedload saturation is interesting and indeed a very worthwhile topic of further research.

Authors response

We thank the reviewer for recommending acceptance of the manuscript and for the helpful suggestions that improved it during the final revision.