

Interactive comment on “Glacial Isostatic Adjustment modelling: historical perspectives, recent advances, and future directions” by Pippa L. Whitehouse

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I thank the reviewers for their thorough and helpful feedback. As noted by one reviewer, it is a difficult task to get the balance of detail right between different sections of a review paper, but the suggestions for additional material (and references) made by both reviewers will enhance the existing text. I will revise the article in light of their comments, which I think can be done in a way that does not make the final version too cumbersome.

My aim in writing this article was to focus on the historical, cutting edge, and future perspectives of research into Glacial Isostatic Adjustment (GIA). This necessitates a

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brief description of the technical aspects of GIA, but my preference was not to delve into the theoretical details as this is covered extensively elsewhere. I will check carefully that appropriate references are included in this respect, and I thank the reviewers for picking up on technical issues and terminology that are currently not clear. I will also look again at the organization of the material in section 2.2 to ensure a more logical flow.

The reviewers have brought to my attention a number of additional historical references that I will be delighted to include, and they also provide useful insight into fields in which I am less familiar. Both reviewers note that the section on future perspectives may reflect my personal view on the future direction of GIA. However, as one reviewer notes, this section does indeed reflect discussions I have had with scientists from a wide range of disciplines as well as input from the wider community during workshop discussions, and this will be acknowledged. This section of the article is intended to serve as a catalyst for new research, and my hope is that it will be read by researchers from outside the traditional GIA community, who will take the relatively simple concept of GIA and apply it in novel ways in their own fields.

Pippa Whitehouse, 28/03/18

Interactive comment on Earth Surf. Dynam. Discuss., <https://doi.org/10.5194/esurf-2018-6>, 2018.

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