

Solid Earth Discuss., author comment AC1  
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## Reply on CC1

Iris van Zelst et al.

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Author comment on "101 geodynamic modelling: how to design, interpret, and communicate numerical studies of the solid Earth" by Iris van Zelst et al., Solid Earth Discuss., <https://doi.org/10.5194/se-2021-14-AC1>, 2021

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Thanks for this comment. This is indeed a good point and we incorporated it into the manuscript by adding a line to the introduction (l 53-54) and adding a line at the end of Section 6.3 - Testing the model against observations:

“Considering this lack of experimental control from both the real world and analogue models from the lab (see Section 4), techniques such as probability analysis and cross-validation of the models beyond the typical testing and predicting of hypotheses become increasingly important to assess how well models capture the real world.”