

Geosci. Model Dev. Discuss., referee comment RC1  
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## **Comment on gmd-2022-210**

Anonymous Referee #1

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Referee comment on "Addressing challenges in uncertainty quantification. The case of geohazard assessments" by Ibsen Chivata Cardenas et al., Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2022-210-RC1>, 2022

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The paper reviews the state of the art and open challenges in uncertainty quantification for geohazard assessments. It puts a significant portion of literature into context, followed by a case-study example based on the work of Zhao et al. (2021).

The manuscript is well written, and I could not identify obvious errors. The scientific novelty is fulfilled, as the paper sheds new light on the discussion of UQ in the present context, and puts previously disconnected literature into context. The example is illustrative and well discussed.

To sum up, I can recommend the publication of the manuscript.