

Geosci. Model Dev. Discuss., author comment AC2
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Reply on RC2

Federico Brogi et al.

Author comment on "MagmaFOAM-1.0: a modular framework for the simulation of magmatic systems" by Federico Brogi et al., Geosci. Model Dev. Discuss.,
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The authors thank Prof. Jenny Suckale for a thorough and insightful review of the paper that provided us with a valuable different perspective on our study. We have modified the manuscript trying to incorporate all the suggestions, with the hope that it is now more accurate, readable and, more importantly, easily accessible to a broader community of potential users. Specifically, we have tried to expand the manuscript to include more comments on the validity and applicability of different approaches to solve CFD problems, both within the magma dynamics community and beyond. We believe the manuscript has improved significantly thanks to the reviewer's inputs and we hope it is now suitable for publication in GMD.

In the attached files, we report the point-by-point answer to the reviewer's comments and marked-up manuscript version highlighting the changes.

Federico Brogi, on behalf of all authors

Please also note the supplement to this comment:
<https://gmd.copernicus.org/preprints/gmd-2021-224/gmd-2021-224-AC2-supplement.zip>