

***Interactive comment on* “Brief communication:
Atmospheric dry deposition of microplastics and
mesoplastics in an Antarctic glacier: The case of
the expanded polystyrene” by
Miguel González-Pleiter et al.**

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Thank you very much for your comment. You are right, the goal of this manuscript was to report the first evidence of plastic contamination on an Antarctic glacier, in the format of a brief communication. We think our findings are a significant advance for scientific investigations about plastics since no such studies have been conducted in Antarctic glaciers, a remote, and supposedly pristine area. We used an adequate methodology according to our goal, and the current scientific literature. Of course, further research is necessary to elucidate the extent of this contamination in Antarctic glaciers (especially

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of the small fraction that were probably overlooked in this study due to the methodology used), their sources, and their impacts. Before all this, the first step was to demonstrate that plastics are there and, in this study, we have been able to show it.

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2020-261>, 2020.

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