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*This manuscript has been previously reviewed at another Nature Portfolio journal. This document only contains reviewer comments and rebuttal letters for versions considered at Communications Earth & Environment.*

16th Nov 22

Dear Professor Vogel,

Your manuscript titled "Nucleation of jet engine oil vapours is a large source of aviation-related ultrafine particles" has now been seen by Reviewer #3, whose comments appear below. In light of their advice I am delighted to say that we are happy, in principle, to publish a suitably revised version in Communications Earth & Environment under the open access CC BY license (Creative Commons Attribution v4.0 International License).

We therefore invite you to revise your paper one last time to comply with our format requirements and to maximise the accessibility and therefore the impact of your work.

Please note that it may still be possible for your paper to be published before the end of 2022, but in order to do this we will need you to address these points as quickly as possible so that we can move forward with your paper.

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We hope to hear from you within two weeks; please let us know if you need more time.

Best regards,

Clare

Clare Davis, PhD  
Senior Editor  
Communications Earth & Environment

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REVIEWERS' COMMENTS:

Reviewer #3 (Remarks to the Author):

This manuscript provides compelling evidence for nucleation of jet engine oils in both the laboratory and in the real environment. The results are highly interesting to the research community. I have previously reviewed this manuscript and the authors have addressed my concerns in full. I highly recommend this manuscript for publication in this journal.