

Interactive comment on “Silicone v1.0.0: an open-source Python package for inferring missing emissions data for climate change research” by Robin D. Lamboll et al.

Robin Lamboll

rlamboll@imperial.ac.uk

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Many thanks for your useful comments, which we will address in full shortly. One point that we don't fully understand, however, was what you meant by "With respect to the main aim I would have expected use cases showing the completion of several variables of different IAM scenarios."

It is not clear what you expect to see that is different from the "use cases" we provide - in the first use case, one scenario (a different scenario in the forthcoming draft) has many variables completed, in the second and third cases complete variables from multiple scenarios. What exactly is it that you wish were different?

C1

To continue the point made by Robert Gieseke above, we are of course happy to cite more papers (particularly our own work!), although some of these specific examples don't seem to qualify - we will cite the Nabel paper and a different Robiou Du Pont paper (Warming assessment of the bottom-up Paris Agreement emissions pledges), as well as the paper suggested by Gieseke unless there was a strong reason for suggesting other ones.

Updated paper to follow!

Many thanks

Robin

Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2020-138>, 2020.

C2