

Interactive comment on “Temperature response measurements from eucalypts give insight into the impact of Australian isoprene emissions on air quality in 2050” by Kathryn M. Emmerson et al.

Anonymous Referee #2

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This manuscript focuses on assessing the emissions from four eucalyptus species, from measurements to modelling the impact on air quality. The manuscript is well-written and provides important new information to the community on biogenic emissions. A real strength of the study is that it takes new measurements of emissions from eucalypts and then simulates what this means for Australian air quality under current and future climate change. I do recommend this is accepted with some minor revisions.

I have inserted my comments on the attached pdf. Many of the comments are minor. The two areas I would recommend there is some expanded discussion are i) on the impact of using younger saplings, and ii) the biases in the modelled isoprene

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concentrations.

Please also note the supplement to this comment:

<https://www.atmos-chem-phys-discuss.net/acp-2020-83/acp-2020-83-RC2-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-83>, 2020.

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