

# Review of: "Revisiting the challenges of ozone depletion from a prospective LCA perspective"

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**Potential competing interests:** No potential competing interests to declare.

The anthropogenic ozone depleting substance have severely reduced the stratospheric ozone layer. After the adoption of the Montreal Protocol, stratospheric ozone recovery has been observed in most regions. However, anthropogenic N<sub>2</sub>O instead of halocarbons, are the most important contribution to ozone depletion. The manuscript presents a review of recent studies regarding current ozone layer trends, future ozone depleting substance life cycle modelling, and characterisation factors to define strategies for assessing the ODP in prospective LCA studies. However, the manuscript only presents some strategies but not quantitative discussions. If possible, the quantitative results should be presented in the revised manuscript. In addition, the future ozone depletion and climate change from the ODS should also be assessed basing on the models.