

Review of: "Revisiting the challenges of ozone depletion in Life Cycle Assessment"

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One of the key challenges identified by the author is the lack of updated and comprehensive inventory data for ozone-depleting substances (ODS). This is particularly important for prospective LCA studies, which need to account for the phase-out of ODS under the Montreal Protocol. Another challenge is the incomplete coverage of ODS and their precursors in existing impact assessment methods. This is especially problematic for non-halogenated ODS, such as nitrous oxide (N₂O), which are becoming increasingly important in prospective LCA studies.

The author also discusses the interlinkages between ozone depletion and climate change. For example, many ODS are also greenhouse gases, and some of the replacements for ODS have high global warming potentials. This means that LCA practitioners need to carefully consider the trade-offs between ozone depletion and climate change when making decisions.

Overall, this review paper provides a valuable resource for LCA practitioners and researchers who are interested in ozone depletion. The author clearly articulates the major challenges and limitations of the current state of practice, and they offer several recommendations for future work.