

Interactive comment on “Only the instantaneous global warming potential is consistent with honest and responsible greenhouse gas accounting” by Peter Nightingale

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One way of framing this paper as a scientific paper would be to support the claim: "Different emissions scenarios that are equivalent on conventional GWP metrics produce very different climate outcomes."

I am not sure how many papers, if any, already make that point compellingly.

A more useful paper would be to provide a new metric such that different emission scenarios that are equivalent on this new metric would all have very similar climate outcomes.

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The focus on instantaneous effects suggested in the title of the Nightengale's work would not satisfy this objective.

Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2018-22>, 2018.

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