

Interactive comment on “ESD Reviews: mechanisms, evidence, and impacts of climate tipping elements” by Seaver Wang and Zeke Hausfather

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Nisbet et al (2019) and others provide evidence that rising atmospheric methane concentrations over the last 13 years may be driven in part by tropical wetlands responding to global warming. This effect is not explicitly parameterized in coupled atmosphere-ocean general circulation models. While the uncertainty about the effect is large, the available evidence indicating that the effect may already have significant impact on global methane levels further indicates that this effect should be included in any broad forward looking overview of potential "tipping elements" - such as this discussion.

Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2020-16>,
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