

Earth Syst. Dynam. Discuss., community comment CC3
<https://doi.org/10.5194/esd-2021-87-CC3>, 2021
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Reply on AC2

Richard Rosen

Community comment on "ESD Ideas: A Global Warming Scaling Law" by Mikhail Verbitsky and Michael Mann, Earth Syst. Dynam. Discuss.,
<https://doi.org/10.5194/esd-2021-87-CC3>, 2021

Good - just to be clear, please be much more explicit about what a scaling law is, and how it can be determined quantitatively by studying the positive and negative feedbacks in a complex system. I am quite sure that this is a totally new concept for most climate scientists and general readers of climate science research such as the readers of ESD. It is totally new to me. Again, you have to show that certain mathematical properties of some physical systems apply to the physical properties of the climate system in particular, and you have to show how you know this.