Earth Syst. Dynam. Discuss.,
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Earth System Dynamics
Discussions

Interactive comment on "Ideas: a simple proposal to improve the contribution of IPCC WG1 to the assessment and communication of climate change risks" *by* Rowan T. Sutton

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OK, so no more spreadsheets (hopefully). We have now produced the correct risk graph using the ISO standard definition(s) for likelihood/probability. We take the original CDF's and invert them all (instead of R=L (the CDF)*Impact we use R = (1 – CDF)*impact). That is the ISO standard so go argue with the ISO.

The risk plots still exhibit weird asymptotic behaviors due to combining an exponential growth with CDF distributions that have different exponential-like decay behaviors. But things are much clearer now. Contrary to what the author implies, an ECS of 6 degrees centigrade does not create a higher risk than what the IPCC AR5 WGI have specified

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in their three conditionals (well, that is, if you are NOT on a fishing expedition and use exponentials combined with poor distribution asymptotic behaviors, in which case you can create all sorts of purported climate fictions).

That is all.

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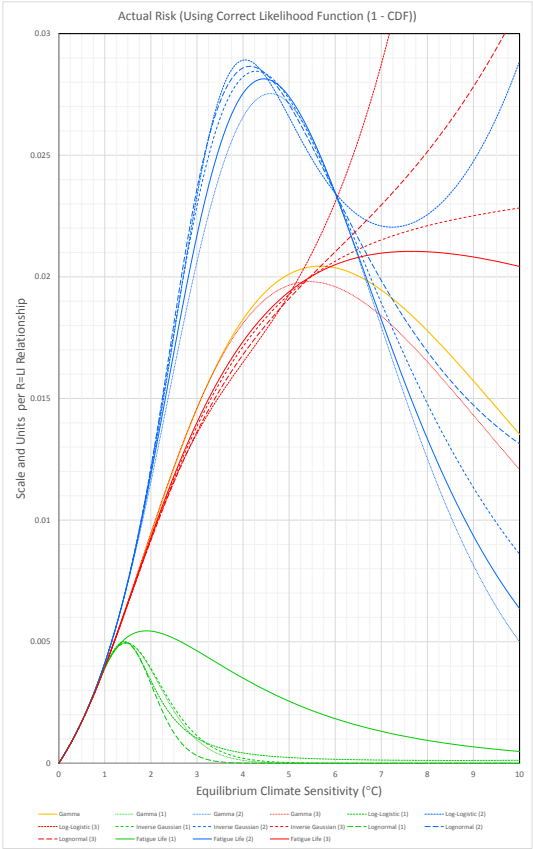

Fig. 1. Risk done right.

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