



EGUsphere, author comment AC2
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Reply on RC2

Marina Martínez Montero et al.

Author comment on "SURFER v2.0: a flexible and simple model linking anthropogenic CO₂ emissions and solar radiation modification to ocean acidification and sea level rise" by Marina Martínez Montero et al., EGU sphere,
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We thank the referee for the comments, which we will take into account and will certainly improve the manuscript. We want to clarify that EMICs and ESMs can also be used for long runs and some also estimate sea level rise and ocean acidification. The problem when attempting to use them, for example, in solving a decision problem, is that in general a big quantity of runs are needed, specially when uncertainty is present. This makes the use of EMICs and ESMs slow and impractical for some purposes. This is where SURFER can make a difference. We will thus clarify what is the gap filled by SURFER and illustrate it with an example. We will also take into account and reply to the other comments in the revised version.