

Geosci. Model Dev. Discuss., author comment AC2  
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## Reply on RC1

Annika Günther et al.

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Author comment on "NDCmitiQ v1.0.0: a tool to quantify and analyse greenhouse gas mitigation targets" by Annika Günther et al., Geosci. Model Dev. Discuss.,  
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Dear Referee,

I wish to thank you very much for the review of this long manuscript in which we present the methods behind NDCmitiQ and the challenges we encountered while quantifying the NDCs' mitigation targets. Considering your comments, we are preparing a revised version of the manuscript in which we discuss the tool's methodological limits and their implications in more detail, and clarify why certain approaches were chosen. Along with the revised paper, we reply to your specific comments regarding the addressed target types, chosen baseline emissions, and overachieving countries.

Best regards, Annika Günther