

## ***Interactive comment on “A global scale mechanistic model of the photosynthetic capacity” by A. A. Ali et al.***

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Thank you very much for your review on our paper. We totally agree with you that TRF2 may not capture the real world situation in view that it does not account for acclimation and that TRF1 is more realistic. The reason we incorporate TRF2 is because some Earth System models still does not account of the acclimation and we would like to provide the corresponding parameters of LUNA for those types of models. If we are given the chance of a revised paper, we would incorporate more discussion on the potential bias for TRF2 based on your comments. We will also incorporate your suggested literature citations in our paper.

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Interactive comment on Geosci. Model Dev. Discuss., 8, 6217, 2015.

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Interactive Discussion

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