

## ***Interactive comment on “Thermal adaptation of net ecosystem exchange” by W. Yuan et al.***

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Thanks for the positive comments. This study investigated the thermal adaptation of ecosystems on NEE. The results add to an existing empirical basis of thermal adaptation of NEE and form a foundation for mechanistic, process-based studies on the response of vegetation primary production (GPP) and ecosystem respiration (Re) to temperature. Our finding on thermal responses of  $T_b$  and  $T_o$  provides a promising physiological rule that can be used in regional carbon balance models constraining presently separated temperature functions of GPP and Re. We will ask the native speaker to check the grammar at the revised manuscript.

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C523