

Interactive comment on “Biases in the albedo sensitivity to deforestation in CMIP5 models and their impacts on the associated historical Radiative Forcing” by Quentin Lejeune et al.

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Thank you for the comment. We have decided to follow the suggestion to use the CERES-based albedo change albedo kernel (CACK) from Bright and O'Halloran (2019) for the Radiative Forcing calculations. As a result, the values of global RF associated with historical conversions between trees and crops/grasses are systematically less negative by $\sim 20\text{--}30\%$ for each of the CMIP5 models considered in Section 5 (see the revised Figures 11 and 12 in attachment).

Interactive comment on Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2019-94>, 2020.

C1

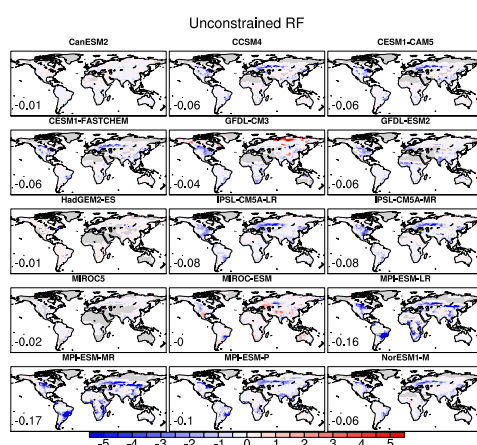


Fig. 1.

C2

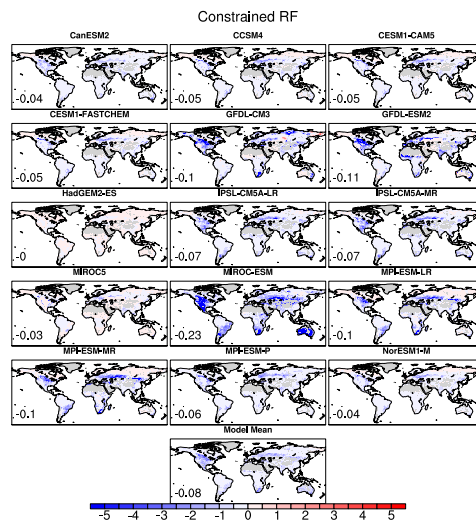


Fig. 2.