
Interactive
comment

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.

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 ~20-30% 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.

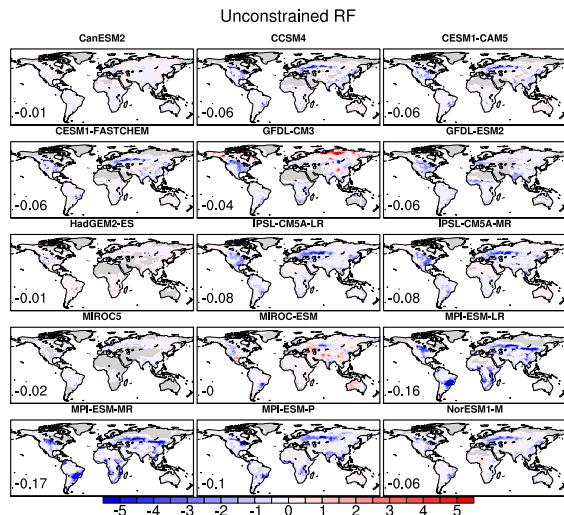
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Fig. 1.

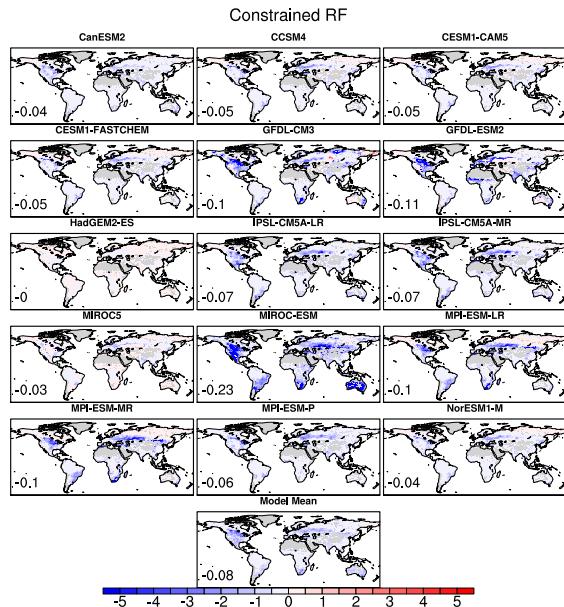


Fig. 2.