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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Received and published: 13 July 2020

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).


Fig. 1.
Fig. 2.

C3