

Interactive comment on “Effects of land cover change on temperature and rainfall extremes in multi-model ensemble simulations” by A. J. Pitman et al.

Anonymous Referee #2

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I am in agreement with Dr Pielke that this is an excellent paper and should be accepted for publication in Earth System Dynamics. My only additional comments are that of the four models that were available for analysis of changes in temperature and rainfall extremes, only the IPSL model has a reduction in latent heat flux in association with deforestation and agricultural expansion (Pitman et al. 2009), and that the ECEarth and ARPEGE models both show extreme increases in winter time albedo beyond those expected for a change from 1850 to 1992 (De Noblet-DuCoudre' et al. 2012). In this sense the models investigated are not all consistent with the range of studies presented in the introduction, or those used in the Coupled Model Intercomparison Project phase 5 (CMIP5). This should be included in the discussion and conclusions.

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Interactive comment on Earth Syst. Dynam. Discuss., 3, 597, 2012.

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