

LMW. CLM-Related Publications

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Coordinator: Nan Rosenbloom

- Lawrence, D.M. and A.G. Slater, 2007: * [Incorporating organic soil into a global climate model.](#)* Submitted to Clim. Dyn.
- Lawrence, D.M., P.E. Thornton, K.W. Oleson, and G.B. Bonan, 2007: [The partitioning of evapotranspiration into transpiration, soil evaporation, and canopy evaporation in a GCM: Impacts on land-atmosphere interaction.](#) In press J. Hydromet.
- Lawrence, D.M. and A.G. Slater, 2006: * Reply to comment by C. R. Burn and F. E. Nelson on "A projection of near-surface permafrost degradation during the 21st century".* Geophys. Res. Lett., 33 L21504, doi:10.1029/2006GL027955.
- Koster, R. D., Z. Guo, P. A. Dirmeyer, G. Bonan, E. Chan, P. Cox, C. T. Gordon, S. Kanae, E. Kowalczyk, D. Lawrence, P. Liu, C.-H. Lu, S. Malyshev, B. McAvaney, K. Mitchell, D. Mocko, T. Oki, K. Oleson, A. Pitman, Y. C. Sud, C. M. Taylor, D. Verseghy, R. Vasic, Y. Xue, and T. Yamada, 2006: * GLACE: The Global Land-Atmosphere Coupling Experiment. 1. Overview.* J. Hydromet., 7, 590-610.
- Guo, Z., P.A. Dirmeyer, Koster R. D., G. Bonan, E. Chan, P. Cox, C. T. Gordon, S. Kanae, E. Kowalczyk, D. Lawrence, P. Liu, C.-H. Lu, S. Malyshev, B. McAvaney, K. Mitchell, D. Mocko, T. Oki, K. Oleson, A. Pitman, Y. C. Sud, C. M. Taylor, D. Verseghy, R. Vasic, Y. Xue, and T. Yamada, 2006: GLACE: * The Global Land-Atmosphere Coupling Experiment. 2. Analysis.* J. Hydromet., 7, 611-625.
- Seneviratne, S. I., R.D. Koster, Z. Guo, P.A. Dirmeyer, E. Kowalczyk, D. Lawrence, P. Liu, C.-H. Lu, D. Mocko, K.W. Oleson, and D. Verseghy, 2006: **Soil moisture memory in AGCM simulations: Analysis of Global Land-Atmosphere Coupling Experiment (GLACE) data.** J. Hydromet., 7, 1090-1112.
- Lawrence, D.M. and A.G. Slater, 2005: * [A projection of near-surface permafrost degradation during the 21st century.](#)* Geophys. Res. Lett., 33 L24401, doi:10.1029/2005GL025080.
- Bonan, G.B., Levis, S., Kergoat, L., and Oleson, K.W. (2002), Landscapes as patches of plant functional types: An integrating concept for climate and ecosystem models, Global Biogeochem. Cycles, 16, doi:10.1029/2000GB001360.
- Bonan, G.B., and S. Levis (2006), Evaluating aspects of the Community Land and Atmosphere Models (CLM3 and CAM3) using a dynamic global vegetation model, J. Climate, 19, 2290-2301.
- Dickinson, R.E., K.W. Oleson, G. Bonan, F. Hoffman, P. Thornton, M. Vertenstein, Z.-L. Yang, X. Zeng, 2006: The Community Land Model and its climate statistics as a component of the Community Climate System Model, J. Climate, 19, 2302-2324.
- Decker, M., and X. Zeng (2006), An empirical formulation of soil ice fraction based on in situ observations, Geophys. Res. Lett., 33, L05402, doi:10.1029/2005GL024914.
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