

**Peer-Reviewed Journal Articles and Reports:****In Review**

- >>>> Chen, L., and P. A. Dirmeyer, 2019: Reconciling the Disagreement between Observed and Simulated Temperature Responses to Deforestation. *Nature Comm.*, (in revision).
- >>>> Dirmeyer, P. A., and T. W. Ford, 2019: A technique for seamless forecast validation from weather to monthly time scales. *Mon. Wea. Rev.*, (in preparation).
- >>>> Norton, H. E., and P. A. Dirmeyer, 2019: Soil moisture memory in karst and non-karst terrains. *Geophys. Res. Lett.*, (submitted).
- >>>> Shukla, R. P., B. Huang, P. A. Dirmeyer, J. L. Kinter, 2019: The influence of summer deep soil temperature on early winter snow conditions in Eurasia in the CFSv2 simulation. *J. Climate*, (in preparation).
- >>>> Wu, J., and P. A. Dirmeyer, 2019: Drought Demise Quantification and Attribution Using the Community Earth System Model Large Ensemble (CESM-LE). *J. Geophys. Res.*, (submitted).

**2019**

- J174.** Chen, L. and P. A. Dirmeyer, 2019: The relative importance among anthropogenic forcings of land use/land cover change in affecting temperature extremes. *Climate Dyn.*, (online release), doi: 10.1007/s00382-018-4250-z.
- J173.** Chen, L., and P. A. Dirmeyer, 2019: Global observed and modeled impacts of irrigation on surface temperature. *Intl. J. Climatol.*, (accepted), doi: 10.1002/joc.5973.
- J172.** Mariotti, A., E. Barnes, E. K. M. Chang, A. Lang, P. Dirmeyer, K. Pegion, and D. Barrie, 2019: Bridging the weather-to-climate prediction gap: progress by the NOAA S2S Prediction Task Force. *EOS Earth and Space News*, (accepted).
- J171.** Shukla, R. P., B. Huang, P. A. Dirmeyer, J. L. Kinter, C.-S. Shin, and L. Marx, 2019: Climatological Influence of Eurasian winter surface conditions on the Asian and Indo-Pacific summer circulation in the CFSv2 seasonal reforecasts. *Int. J. Climatol.*, (accepted), doi: 10.1002/joc.6029.

**2018**

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- J169.** Dirmeyer, P. A., L. Chen, J. Wu, C.-S. Shin, B. Huang, B. Cash, M. Bosilovich, S. Mahanama, R. D. Koster, J. A. Santanello Jr., M. B. Ek, G. Balsamo, E. Dutra and D. M. Lawrence, 2018: Verification of land-atmosphere coupling in forecast models, reanalyses and land surface models using flux site observations. *J. Hydrometeor.*, **19**, 375-392, doi: 10.1175/JHM-D-17-0152.1.
- J168.** Dirmeyer, P. A., and H. E. Norton, 2018: Indications of surface and sub-surface hydrologic properties from SMAP soil moisture retrievals. *Hydrology*, **5**, 36, doi: 10.3390/hydrology5030036.
- J167.** Balsamo, G., A. Agusti-Panareda, C. Albergel, G. Arduini, A. Beljaars, J. Bidlot, N. Bousserez, S. Bousetta, A. Brown, R. Buizza, C. Buontempo, F. Chevallier, M. Choulga, H. Cloke, M. F. Cronin, M. Dahoui, P. De Rosnay, P. A. Dirmeyer, M. Drusch, E. Dutra, M. B. Ek, P. Gentine, H. Hewett, S. P. E. Keeley, Y. Kerr, S. Kumar, C. Lupu, J.-F. Mahfouf, J. McNorton, S. Mecklenburg, K. Morgensen, J. Muñoz-Sabater, R. Orth, F. Rabier, R. Reichle, B. Ruston, F. Pappenberger, I. Sandu, S. I. Senevirtane, S. Tietsche, I. F. Trigo, R. Uijenoet, N. Wedi, R. I. Woolway, and X. Zeng, 2018: Satellite and in situ observations for advancing global earth surface modelling: A review. *Remote Sens.*, **10**, 2038, doi: 10.3390/rs10122038.
- J166.** Chen, L., P. A. Dirmeyer, Z. Guo and N. M. Schultz, 2018: Pairing FLUXNET sites to validate model representations of land use/land cover change. *Hydrol. Earth Sys. Sci.*, **22**, 111-125, doi: 10.5194/hess-22-111-2018.
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- J164.** Halder, S., P. A. Dirmeyer, L. Marx and J. L. Kinter III, 2018: Impact of land surface initialization and land-atmosphere coupling on the prediction of the Indian summer monsoon with the CFSv2. *Front. Env. Sci.*, **5**:92, doi: 10.3389/fenvs.2017.00092.
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- J161.** Santanello, J. A., P. A. Dirmeyer, C. R. Ferguson, K. L. Findell, A. B. Tawfik, A. Berg, M. B. Ek, P. Gentine, B. Guillod, C. van Heerwaarden, J. Roundy, and V. Wulfmeyer, 2018: Land-atmosphere interactions: The LoCo perspective. *Bull. Amer. Meteor. Soc.*, **99**, 1253–1272, doi: 10.1175/BAMS-D-17-0001.1.
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- J159.** Dirmeyer, P. A., and S. Halder, 2017: Application of the land-atmosphere coupling paradigm to the operational Coupled Forecast System (CFSv2). *J. Hydrometeorol.*, **18**, 85-108, doi: 10.1175/JHM-D-16-0064.1.
- J158.** Chen, L. and P. A. Dirmeyer, 2017: Impacts of land use/land cover change on afternoon precipitation over North America. *J. Climate*, **30**, 2121-2140, doi: 10.1175/JCLI-D-16-0589.1.
- J157.** Chen, L., P. A. Dirmeyer, A. Tawfik and D. M. Lawrence, 2017: Sensitivities of land cover-precipitation feedback to convective triggering. *J. Hydrometeorol.*, **18**, 2265-2284, doi: 10.1175/JHM-D-17-0011.1.
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- J153.** Tawfik, A. B., D. M. Lawrence, and P. A. Dirmeyer, 2017: Representing sub-grid convective initiation in the Community Earth System Model. *J. Adv. Mod. Earth Sys.*, **9**, doi: 10.1002/2016MS000866.
- J152.** Wada, Y., M. F. P. Bierkens, P. A. Dirmeyer, A. van Dijk, T. van Emmerik, J. S. Famiglietti, N. Hanasaki, M. Konar, J. Liu<sup>1</sup>, H. M. Schmied, M. H.J. Van Huijgevoort, H. A. J. Van Lanen, T. Oki, Y. Pokhrel, A. de Roo, M. Sivapalan, T. J. Troy, C. J. Vörösmarty, N. Wanders, and H. Wheeler, 2017: Human-water interface in hydrological modeling: current status and future directions. *Hydrol. Earth Sys. Sci.*, **21**, 4169-4193, doi: 10.5194/hess-21-4169-2017.

### 2016

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- J14.** Dirmeyer, P. A., and F. J. Zeng, 1999: An update to the distribution and treatment of vegetation and soil properties in SSiB. COLA Technical Report 78, 27 pp.
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- J8.** Kinter, J. L., D. DeWitt, P. A. Dirmeyer, M. J. Fennessy, B. P. Kirtman, L. Marx, E. K. Schneider, J. Shukla, and D. M. Straus, 1997: The COLA atmosphere-biosphere general circulation model. Volume 1: Formulation. COLA Technical Report 51 [Available online at: <http://cola.gmu.edu/reps/rep51/colarep51.html>], 46 pp.
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## Books and Chapters:

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- Bombardi, R. J., A. B. Tawfik, L. Marx, P. A. Dirmeyer, and J. L. Kinter III, 2018: Convection initiation in climate models using the heated condensation framework: A review. [Chapter in: *Current Trends in the Representation of Physical Processes in Weather and Climate Models* (D. Randall, J. Srinivasan and R. S. Nanjundiah Eds.)], Springer, (in press).
- Dirmeyer, P. A., K. L. Findell, and J. A. Santanello Jr., 2018: Metrics of Land-Atmosphere Coupling. [Chapter 18 in: *Land-Atmosphere Interactions: Coupling Between The Energy, Water And Carbon Cycles* (P. Gentine Ed.)], Common Ground, (submitted).
- Dirmeyer, P. A., Sonia I. Seneviratne, and R. D. Koster, 2018: Land-Atmosphere Interactions in Climate Models. [Chapter 20 in: *Land-Atmosphere Interactions: Coupling Between The Energy, Water And Carbon Cycles* (P. Gentine Ed.)], Common Ground, (submitted).

### Published

- B10.** Dirmeyer, P. A., P. Gentine, M. B. Ek, and G. Balsamo, 2018: Land Surface Processes Relevant to S2S Prediction. [Chapter 8 in: *The Gap Between Weather and Climate Forecasting: Sub-Seasonal to Seasonal Prediction* (A. W. Robertson and F. Vitart Eds.)], Elsevier, 166-182.
- B9.** Dirmeyer, P. A., C. Peters-Lidard, and G. Balsamo, 2015: Land-Atmosphere Interactions and the Water Cycle. [Chapter 8 in: *Seamless Prediction of the Earth System: from Minutes to Months* (G Brunet, S Jones, PM Ruti Eds.)], World Meteorological Organization (WMO-No. 1156), Geneva, (also available in French and Spanish).
- B8.** Wei, J., P. A. Dirmeyer, Z. Guo and L. Zhang, 2012: Impact of Atmospheric Variability on Soil Moisture-Precipitation Coupling. [Chapter in: *Climate Variability - Some Aspects, Challenges and Prospects*, A. Hannachi Ed.], InTech, Rijeka.
- B7.** Randall, D. A. R. A. Wood, S. Bony, R. Colman, T. Fichefet, J. Fyfe, V. Kattsov, A. Pitman, J. Shukla, J. Srinivasan, R. J. Stouffer, A. Sumi, K. E. Taylor, K. AchutaRao, R. Allan, A. Berger, H. Blatter, A. Boone, C. Bretherton, A. Broccoli, V. Brovkin, W. Cai, M. Claussen, P. Dirmeyer, C. Doutriaux, H. Drange, J.-L. Dufresne, S. Emori, P. Forster, A. Frei, A. Ganopolski, P. Gent, P. Gleckler, H. Goosse, R. Graham, J. M. Gregory, R. Gudgel, A. Hall, S. Hallegatte, H. Hasumi, A. Henderson-Sellers, H. Hendon, K. Hodges, M. Holland, A. A. M. Holtslag, E. Hunke, P. Huybrechts, W. Ingram, F. Joos, B. Kirtman, S. Klein, R. Koster, P. Kushner, J. Lanzante, M. Latif, N.-C. Lau, M. Meinshausen, A. Monahan, J. M. Murphy, T. Osborn, T. Pavlova, V. Petoukhov, T. Phillips, S. Power, S. Rahmstorf, S. C. B. Raper, H. Renssen, D. Rind, M. Roberts, A. Rosati, C. Schär, A. Schmittner, J. Scinocca, D. Seidov, A. G. Slater, J. Slingo, D. Smith, B. Soden, W. Stern, D. A. Stone, K. Sudo, T. Takemura, G. Tselioudis, M. Webb, M. Wild, 2007: Climate models and their evaluation. [Chapter in: *Climate Change 2007: The physical science basis. Contribution of Working Group I to the Fourth Assessment Report of the IPCC*, Cambridge University Press, 589-662.
- B6.** Kabat, P., M. Claussen, P. A. Dirmeyer, J. H. C. Gash, L. Bravo de Guenni, M. Meybeck, R. A. Pielke Sr., C. J. Vörösmarty, R. W. A. Hutjes, and S. Lütkeemeier (Eds.), 2004: *Vegetation, Water, Humans and the Climate: A New Perspective on an Interactive System*. Springer Verlag, Berlin, 566 pp. [Book]
- B5.** Dirmeyer, P. A. (ed), 2004: The Value of Land Surface Data Consolidation. [Part C in: *Vegetation, Water, Humans and the Climate: A New Perspective on an Interactive System*]. Springer Verlag, 245-296.
- B4.** Xue, Y., R. W. A. Hutjes, R. J. Harding, M. Claussen, S. D. Prince, T. Lebel, E. F. Lambin, S. J. Allen, P. A. Dirmeyer, and T. Oki, 2004: Chapter A5: The Sahelian Climate. *Vegetation, Water, Humans and the Climate: A New Perspective on an Interactive System*. Springer Verlag, 59-78.

- B3.** Koster, R. D., P. A. Dirmeyer, P. C. D. Milly, and G. L. Russell, 2001: Comparing GCM-Generated Land Surface Water Budgets Using a Simple Common Framework. [**Chapter** in: *Land Surface Hydrology, Meteorology and Climate: Observations and Modeling*, V. Lakshmi, J. Albertson, and J. Schaake, eds. Water Science and Applications series], American Geophysical Union, Washington D.C., USA, **3**, 95-105.
- B2.** Dirmeyer, P. A. and J. Shukla, 1993: Observational and Modeling Studies of the Influence of Soil Moisture Anomalies on Atmospheric Circulation. [**Chapter** in: *Prediction of Interannual Climate Variations* (ed. by J. Shukla)], NATO Series I, **6**, Springer-Verlag, 1-23.
- B1.** Dirmeyer, P. A., 1992: GCM Studies of the Influence of Vegetation on the General Circulation. {**Ph.D. Dissertation**, Available from University of Maryland, College Park, MD 20742, U.S.A.], 227pp.

### **Newsletter Articles, Reports & White Papers:**

- N30.** Dirmeyer, P. A., 2019: Capturing the dynamism of plant roots in models. *Editors' Highlights, EOS Earth and Space News*, <https://eos.org/editor-highlights/capturing-the-dynamism-of-plant-roots-in-models>.
- N29.** Dirmeyer, P. A., 2018: The ILAMB System for Benchmarking Land Surface Models. *Editors' Highlights, EOS Earth and Space News*, <https://eos.org/editor-highlights/the-ilamb-system-for-benchmarking-land-surface-models>.
- N28.** World Weather Research Programme / World Climate Research Programme, 2018: *WWRP/WCRP Sub-seasonal to Seasonal Prediction Project (S2S) Phase II Proposal*, WWRP Report 2018-4; WCRP Report 10/2018, 38pp [[http://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRP\\_2018\\_4\\_S2S\\_Phase\\_II\\_proposal.pdf](http://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRP_2018_4_S2S_Phase_II_proposal.pdf)]
- N27.** World Weather Research Programme / World Climate Research Programme, 2018: *WWRP/WCRP Sub-seasonal to Seasonal Prediction Project (S2S) Phase I Final Report*, WWRP Report 2018-2; WCRP Report 6/2018, 55pp [[http://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRP\\_2018\\_2\\_S2S\\_Phase\\_I\\_web.pdf](http://www.wmo.int/pages/prog/arep/wwrp/new/documents/WWRP_2018_2_S2S_Phase_I_web.pdf)]
- N26.** Dirmeyer, P. A., 2018: Wet soils elevate nighttime temperatures. *Editors' Highlights, EOS Earth and Space News*, <https://eos.org/editor-highlights/wet-soils-elevate-nighttime-temperatures>.
- N25.** Dirmeyer, P. A., 2017: Improved simulation of gross primary productivity. *Editors' Highlights, EOS Earth and Space News*, <https://eos.org/editor-highlights/improved-simulation-of-gross-primary-productivity>.
- N24.** Ford, T. W. and P. A. Dirmeyer, 2016: Land-atmosphere interactions and subseasonal-to-seasonal forecasting of extreme heat in the United States. *US CLIVAR Variations*, **14**(4), 30-35.
- N23.** Santanello, J. A., A. Boone, P. A. Dirmeyer, M. Ek, C. R. Ferguson, P. Gentine, B. P. Guillod, Z. Li, B. R. Linter, D. D. Turner, C. C. van Heerwaarden, D. Wu, V. Wulfmeyer, and Y. Zhang, 2015: *The Importance of Routine Planetary Boundary Layer Measurements over Land from Space*. White Paper in response to the Earth Sciences Decadal Survey Request for Information (RFI) from the National Academy of Sciences Space Studies Board, 5pp.
- N22.** Waliser, D., G. Brunet, P. Dirmeyer, H. Hendon, B. Kirtman, R. Koster, A. Kumar, H. Lin, P. Lermusiaux, E. Maloney, M. Moncrieff, M. Rixen, A. Robertson, K. Sperber, F. Vitart, and C. Zhang, 2015: *Advancing the Science and Societal Benefits of Subseasonal to Seasonal (S2S) Environmental Prediction*. White Paper in response to the Earth Sciences Decadal Survey Request for Information (RFI) from the National Academy of Sciences Space Studies Board, 7pp.
- N21.** Xue, Y. and P. A. Dirmeyer, 2015: Land-atmosphere interactions in monsoon regimes and future prospects for enhancing prediction. *CLIVAR Exchanges*, **66**, 28-33.
- N20.** Dirmeyer, P. A., and A. G. Turner, 2015: Introduction to the CLIVAR Exchanges issue on monsoons. *CLIVAR Exchanges*, **66**, 1-2.
- N19.** Dirmeyer, P. A., 2014: The cusp of major progress in predicting land-atmosphere interactions. *GEWEX News*, **24**(1-2), 15-18.
- N18.** Dirmeyer, P. A., D. J. Gochis, T. S. Hogue, A. Barros, C. J. Duffy, K. Friedrich, M. Hughes, W. Krajewski, and N. P. Molotch, 2014: *Advancing Hydrometeorological-Hydroclimatic-Ecohydrological Process Understanding and Predictions*. White Paper: Hydrologic-Atmospheric Community Workshop, Golden, Colorado, 12pp [Available at: <http://inside.mines.edu/~thogue/nsf-hydro-atmo-workshop/NSFHydroAtmosWorkshopWhitePaper120314FINAL.pdf>].
- N17.** Dirmeyer, P. A., E. K. Jin, J. L. Kinter III and J. Shukla, 2014: *Land Surface Modeling in Support of Numerical Weather Prediction and Sub-Seasonal Climate Prediction*. White Paper: Workshop on Land Surface Modeling in

Support of NWP and Sub-Seasonal Climate Prediction, 17pp [Available at: [http://cola.gmu.edu/lsm/GMU\\_KIAPS\\_White\\_Paper.pdf](http://cola.gmu.edu/lsm/GMU_KIAPS_White_Paper.pdf)].

- N16.** Seneviratne, S. I., B. van den Hurk, D. Lawrence, G. Krinner, G. Hurtt, H. Kim, C. Derksen, T. Oki., A. Boone, M. Ek, V. Brovkin, P. Dirmeyer, H. Douville, P. Friedlingstein, S. Hagemann, R. Koster, N. de Noblet-Ducoudré, and Andy Pitman, 2014: Land processes, forcings, and feedbacks in climate change simulations: The CMIP6 "LandMIPs". *GEWEX News*, **24**(4) 6-10.
- N15.** Dirmeyer, P. A. and A. Tawfik, 2014: Validation of CFSv2 model behavior – land-atmosphere interactions and the hydrologic cycle. *Climate Prediction S&T Digest*, 38th Climate Diagnostics and Prediction Workshop Special Collection, 75-79, [available online at: <https://issuu.com/climatesti/docs/38cdpwwdigest>].
- N14.** Santanello, J. A., C. Ferguson, M. Ek, P. Dirmeyer, O. Tuinenburg, C. Jacobs, C. van Heerwaarden, K. Findell, P. Gentine, and B. Lintner, 2011: Local land-atmosphere coupling (LoCo) research: Status and results. *GEWEX News*, **21**(4), 7-9.
- N13.** Dirmeyer, P. A., Z. Guo and J. Wei, 2010: Building the case for (or against) land-driven climate predictability. *iLEAPS Newsletter*, **9**, 14-17.
- N12.** Dirmeyer, P. A., 2004: Soil moisture - muddy prospects for a clear definition. *GEWEX News*, **14**, No. 3, 11-12.
- N11.** Gao, X., P. A. Dirmeyer, and T. Oki, 2004: Update on the Second Global Soil Wetness Project. *GEWEX News*, **14**, No. 3, 10.
- N10.** Dirmeyer, P. A., 2003: GLASS Science Panel Meeting (Recent Results and New Initiatives). *GEWEX News*, **13**, No 4, 9-11.
- N9.** Koster, R., Z. Guo and P. Dirmeyer, 2003: First results from GLACE (Impact of soil moisture on precip prediction). *GEWEX News*, **13**, No 4, 6-7.
- N8.** Koster, R., Z. Guo and P. Dirmeyer, 2003: GLACE: Quantifying Land-Atmosphere Coupling Strength Across a Broad Range of Climate Models. *CLIVAR Exchanges*, **28**, 14-15.
- N7.** Dirmeyer, P. A., T. Oki and X. Gao, 2002: GSWP-2 kickoff workshop. *GEWEX News*, **12**, No 4, 11-12.
- N6.** *Lead Author:* International GEWEX Project Office, 2002: GSWP-2: The Second Global Soil Wetness Project Science and Implementation Plan. IGPO Publication Series No. 37, 75 pp.
- N5.** Polcher, J., P. Cox, P. Dirmeyer, H. Dolman, H. Gupta, A. Henderson-Sellers, P. Houser, R. Koster, T. Oki, A. Pitman, and P. Viterbo, 2000: GLASS: Global land-atmosphere system study. *GEWEX News*, **10**, No 2, 3-5.
- N4.** *Lead Author:* International GEWEX Project Office, 1998: Global Soil Wetness Project: Preliminary report on the pilot phase. IGPO Publication Series No. 29, 48 pp.
- N3.** *Contributing Author:* International GEWEX Project Office, 1998: Land surface parameterizations / soil vegetation atmosphere transfer schemes workshop: Conclusions and Working Group Reports. IGPO Publication Series No. 31, 77 pp.
- N2.** Dirmeyer, P. A., 1997: The Global Soil Wetness Project. *GEWEX News*, **7**, No. 2, 3-6.
- N1.** *Contributing Author:* International GEWEX Project Office, 1995: Global Soil Wetness Project, 47 pp.

### ***Invited Seminars:***

- S31.** "The role of the land surface in weather and climate" National Center for Atmospheric Research, Climate and Global Dynamics Laboratory, Boulder, CO, USA, 4 September 2018.
- S30.** "The emerging role of the land surface in weather and climate prediction" European Centre for Medium-range Weather Forecasts, Reading, UK, 25 July 2018.
- S29.** "The emerging role of the land surface in weather and climate prediction" Centre for Ecology and Hydrology, Wallingford, UK, 13 July 2018.
- S28.** "Land-atmosphere interactions in nature and models" AOES Seminar Series, George Mason University, 25 October 2017.
- S27.** "Land-atmosphere interactions in nature and models" West Virginia University Geography Colloquium series, , 6 October 2017.
- S26.** "Land-atmosphere interactions in models and observations" NASA Goddard Space Flight Center, Global Modeling and Data Assimilation Office, 23 May 2017.

- S25.** "What water vapor back-trajectory analysis can tell us about climate variability" Invited Senior Leonardo Lecture, From Evaporation to Precipitation: The Atmospheric Moisture Transport, 2016 EGU Leonardo Conference, Ourense, Spain, 25-27 October 2016.
- S24.** "Land-atmosphere feedbacks" ICTP-IITM-COLA Targeted Training Activity (TTA): Towards Improved Monsoon Simulations, International Centre for Theoretical Physics, Trieste, Italy, 13-17 June 2016.
- S23.** "The Land-Atmosphere Coupling Paradigm in the Operational NWS Forecast Model: Consequences for Hydrologic Predictability." Observations and Modeling Across Scales: Symposium in Honor of Eric Wood, Princeton, New Jersey, USA, 2-3 June 2016.
- S22.** "Land surface processes and interactions with the atmosphere" ECMWF Annual Seminar, Reading, UK, 1-4 September 2015.
- S21.** "Climate Model Perspectives" Alpine Summer School, Course XXIII on Land-Atmosphere Interactions, Valsavaranche, Valle d'Aosta, Italy, 22 June – 1 July 2015.
- S20.** "Metrics in Land-Atmosphere Coupling" Alpine Summer School, Course XXIII on Land-Atmosphere Interactions, Valsavaranche, Valle d'Aosta, Italy, 22 June – 1 July 2015.
- S19.** "Why Water in the Soil Now Matters for Weather This Summer" Mason Water Forum Seminar, George Mason University, Fairfax, Virginia, 3 April 2015
- S18.** "Drought forecasts and land-atmosphere interactions in the NOAA climate model" AOES Climate Dynamics seminar, George Mason University, 6 November 2013.
- S17.** "Historical and future trends in land-atmosphere interactions from CMIP5" Gordon Research Conference on Radiation and Climate, New London, NH, USA, 9 July 2013.
- S16.** "Connections between precipitation extremes and evaporation sources" Mini-symposium on land-atmosphere interactions, Wageningen University, Netherlands, 15 April 2013.
- S15.** "Trends in land-atmosphere interactions from CMIP5 simulations" Workshop on the Climate Dynamics of Tropical Africa, Johns Hopkins University, 15 November 2012.
- S14.** "Evaporative moisture sources for African precipitation and diagnosis of extremes" Workshop on the Climate Dynamics of Tropical Africa, Johns Hopkins University, 15 November 2012.
- S13.** "Land-Climate Interactions – Past, Present and Future" Seminar presented at the Department of Marine, Earth, & Atmospheric Sciences, North Carolina State University, 31 July 2012.
- S12.** "Land-Atmosphere Interaction and the Global Water Cycle" Seminar presented at the Department of Atmospheric, Oceanic and Earth Science, George Mason University, 5 April 2011.
- S11.** "Land-atmosphere interaction and the water cycle" Seminar presented at SEAS Colloquium in Climate Science (SCiCS), Columbia University, 3 December 2009.
- S10.** "Do Global Models Properly Represent the Feedback Between Land and Atmosphere?" Seminar presented at NASA/GSFC Climate and Radiation Branch, Greenbelt, Maryland, USA 7 September 2005.
- S9.** "The interplay between soil moisture and climate" Seminar presented at National Center for Atmospheric Research (NCAR), Boulder, Colorado, USA 10 May 2006.
- S8.** "Global Soil Wetness Products - What Can We Believe?" Seminar presented at the Department of Meteorology, University of Maryland, College Park, Maryland, USA, 16 October, 2003.
- S7.** "Land-Atmosphere Interactions and Climate Variability." Seminar presented at the Texas Center for Climate Studies, Texas A&M University, College Station, Texas, USA, 24 October, 2001.
- S6.** "The evaporative sources of moisture supplying rainfall over the central United States" Seminar presented at the Dept. of Civil Engineering, University of Maryland, 3 May 1999.
- S5.** "The Global Soil Wetness Project." Institute for Computational Sciences and Informatics seminar, George Mason University, Fairfax, Virginia, USA, 3 November 1997.
- S4.** "The Global Soil Wetness Project." NASA/GSFC Climate and Radiation Branch seminar, Greenbelt, Maryland, USA, 17 September 1997.
- S3.** "The Global Soil Wetness Project." NCEP sack lunch seminar, Camp Springs, Maryland, USA, 8 July 1997.
- S2.** "Aspects of tropical deforestation and their effects on climate." Seminar presented at the Department of Meteorology, Florida State University, Tallahassee, Florida, USA, 20 January 1994.

S1. "GCM studies of vegetation and climate: From drought to deforestation." Seminar presented at the Ralph M. Parsons Laboratory, Massachusetts Institute of Technology, Boston, Massachusetts, USA, 14 June 1993.

### ***Conference and Workshop Presentations:***

- C218.** Dirmeyer, P. A., 2019: Land-atmosphere coupling metric applications in arid and semiarid regions (invited). American Meteorological Society 33rd Conference on Hydrology, Phoenix, AZ, USA, 3B.2.
- C217.** Chen, L., and P. A. Dirmeyer, 2019: Response in diurnal cycle of land surface and air temperature to deforestation (invited). American Meteorological Society 32nd Conference on Climate Variability and Change, Phoenix, AZ, USA, 14C.1.
- C216.** Mariotti, A., E. A. Barnes, E. K. M. Chang, A. L. Lang, P. A. Dirmeyer, K. Pegion, and D. Barrie, 2019: Bridging the weather-to-climate prediction gap: Progress by the NOAA S2S Prediction Task Force. American Meteorological Society 33rd Conference on Hydrology, Phoenix, AZ, USA, 11B.3.
- C215.** Shin, C.-S., B. Huang, P. A. Dirmeyer, and A. Kumar, 2019: Exploring the sensitivity of US drought prediction skill to land initial states. American Meteorological Society 33rd Conference on Hydrology, Phoenix, AZ, USA, J9.4.
- C214.** Abolafia-Rosenzweig, R., B. Livneh, Y. Xia, D. Mocko, P. A. Dirmeyer, S. V. Kumar, C. D. Peters-Lidard, H. Wei, and J. Kain, 2019: Comparing operational NLDAS-2 and experimental NLDAS-3 soil moisture with observational soil moisture data from in-situ networks and SMAP remote sensing. American Meteorological Society 33rd Conference on Hydrology, Phoenix, AZ, USA, 2B.3.
- C213.** Dirmeyer, P. A., 2018: Exploiting land surface data for sub-seasonal prediction (invited). American Geophysical Union Fall Meeting, Washington, DC, USA, A32D-02.
- C212.** Dirmeyer, P. A., 2018: Synthesizing water and energy cycle data for coupling metrics to understand land-atmosphere interactions. American Geophysical Union Fall Meeting, Washington, DC, USA, H33K-2229.
- C211.** Norton, H. E., and P. A. Dirmeyer, 2018: Parameterizing karst for implementation in land surface models: A research-to-operations framework. American Geophysical Union Fall Meeting, Washington, DC, USA, H11B-05.
- C210.** Wu, J., and P. A. Dirmeyer, 2018: Drought demise quantification and attribution using the Community Earth System Model Large Ensemble (CESM-LE) and Modern-Era Retrospective Analysis for Research and Applications version 2 (MERRA2). American Geophysical Union Fall Meeting, Washington, DC, USA, H51G-1384.
- C209.** Chen, L., and P. A. Dirmeyer, 2018: Reconciling the disagreement between observed and simulated temperature responses to deforestation. American Geophysical Union Fall Meeting, Washington, DC, USA, G14B-06.
- C208.** Mariotti, A., E. A. Barnes, E. K. M. Change, A. A. L. Lang, P. A. Dirmeyer, K. Pegion, and D. Barrie, 2018: Bridging the weather-to-climate prediction gap: Progress by the NOAA S2S Prediction Task Force. American Geophysical Union Fall Meeting, Washington, DC, USA, A41L-3150.
- C207.** Ford, T., and P. A. Dirmeyer, 2018: Land-atmosphere interactions and subseasonal heat wave forecasts from a suite of climate forecast models. American Geophysical Union Fall Meeting, Washington, DC, USA, A33E-04.
- C206.** Shin, C.-S., B. Huang, P. A. Dirmeyer, and A. Kumar, 2018: H44D-04 Sensitivity of US drought prediction skill to land initial states on subseasonal to seasonal timescales. American Geophysical Union Fall Meeting, Washington, DC, USA, H44D-04.
- C205.** Shukla, R. P., B. Huang, P. A. Dirmeyer, J. L. Kinter III, C.-S. Shin, and L. Marx, 2018: The Climatological Influence of Eurasian winter surface conditions on the summer circulation in the Asian continent and Indo-Pacific in the CFSv2 seasonal reforecasts. American Geophysical Union Fall Meeting, Washington, DC, USA, A23J-3024.
- C204.** Huang, B., C.-S. Shin, P. Dirmeyer and A. Kumar, 2018: Evaluating predictive skill and predictability of the US seasonal precipitation using CFSv2 reforecasts of sixty years (1958-2017). American Geophysical Union Fall Meeting, Washington, DC, USA, H51G-1383.
- C203.** Dirmeyer, P. A., 2018: Indications of surface and sub-surface hydrologic properties from SMAP. 5th Satellite Soil Moisture Validation and Application Workshop, Fairfax, VA, USA. 5-01.
- C202.** Dirmeyer, P. A., 2018: The land surface "sweet spot" between weather and climate (keynote). International Conferences on Subseasonal to Decadal Prediction, Boulder, CO, USA, AS-01.

- C201.** Ford, T., and P. A. Dirmeyer, 2018: Seamless transition from weather to climate – A method for forecast definition and validation. P-A3-06.
- C200.** Dirmeyer, P. A., 2018: Land surface models coupled to atmospheric models: Judging them as dance partners. Robert Dickinson Symposium on Earth System Modeling: Past, Present and Future, Austin, TX, USA.
- C199.** Dirmeyer, P. A., 2018: Confronting forecast models, reanalyses and land surface models with global remote sensing estimates of land-atmosphere coupling (invited). 8th GEWEX Open Science Conference, Canmore, AB, Canada.
- C198.** Wu, J., and P. A. Dirmeyer, 2018: A new framework for determining causes of drought demise over CONUS. 8th GEWEX Open Science Conference, Canmore, AB, Canada.
- C197.** Chen, L., and P. A. Dirmeyer, 2018: Observed and Simulated Impacts of Global Irrigation on Local Surface Temperature. 8th GEWEX Open Science Conference, Canmore, AB, Canada.
- C196.** Dirmeyer, P. A., 2018: Land-atmosphere interactions are a coupled model development problem. 2018 - US Climate Modeling Summit; Land-Atmosphere Interactions and Extremes Workshop, College Park, MD, USA.
- C195.** Dirmeyer, P. A. and S. Halder, 2017: On the harvest of predictability from land surface states. American Geophysical Union Fall Meeting, New Orleans, LA, USA, H42B-04.
- C194.** Chen, L. and P. A. Dirmeyer, 2017: Observed Local Impacts of Global Irrigation on Surface Temperature. American Geophysical Union Fall Meeting, New Orleans, LA, USA, A51C-2073.
- C193.** Ford, T., P. A. Dirmeyer and D. O. Benson, 2017: Evaluation of heat wave forecasts seamlessly across s2s time scales: skill attribution and the role of land-atmosphere interactions. American Geophysical Union Fall Meeting, New Orleans, LA, USA, A23M-01.
- C192.** Norton, H. E., P. A. Dirmeyer, M. B. Ek, H. Wei and Y. Xia, 2017: Parameterizing subsurface karst geology within the Noah Land Surface Model (LSM). American Geophysical Union Fall Meeting, New Orleans, LA, USA, H43N-08.
- C191.** Kumar, S., I. Suhr, P. A. Dirmeyer, and C. D. Peters-Lidard, 2017: Evaluating and improving the information content of satellite soil moisture measurements. American Meteorological Society 31st Conference on Hydrology, Seattle, WA, USA, 5.3.
- C190.** Tawfik, A. B., D. M. Lawrence and P. A. Dirmeyer, 2017: Dynamic scale awareness: Switching parameterized convection on at the right time. American Meteorological Society 29th Conference on Climate Variability and Change, Seattle, WA, USA, 4A.4.
- C189.** Dirmeyer, P. A., L. Chen and J. Wu, 2016: Extending the confrontation of weather and climate models from soil moisture to surface flux data. American Geophysical Union Fall Meeting, San Francisco, CA, USA, NG13A-1692.
- C188.** Chen, L. and P. A. Dirmeyer, 2016: Impacts of land use/land cover change on afternoon precipitation over North America. American Geophysical Union Fall Meeting, San Francisco, CA, USA, GC21B-1081.
- C187.** Ford, T., P. A. Dirmeyer, and D. Benson, 2016: Evaluation of the ability of S2S and NMME models to predict heat waves following drought events in the United States. American Geophysical Union Fall Meeting, San Francisco, CA, USA, A43O-06.
- C186.** Guo, Z. and P. A. Dirmeyer, 2016: Subseasonal predictability of extreme events. American Geophysical Union Fall Meeting, San Francisco, CA, USA, A33J-0411.
- C185.** Huang, B., C.-S. Shin, J. Shukla, L. Marx, M. Balmaseda, S. Halder, P. A. Dirmeyer, and J. L. Kinter 2016: Reforecasting the ENSO events in the past fifty-seven years (1958-2014). American Geophysical Union Fall Meeting, San Francisco, CA, USA, A43D-0262.
- C184.** Sobocinski-Norton, H. E. and P. A. Dirmeyer, 2016: Soil moisture memory in karst and non-karst landscapes. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H31I-02.
- C183.** Wu, J. and P. A. Dirmeyer, 2016: Understanding the causes of drought demise over CONUS. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H21D-1434.
- C182.** Dirmeyer, P. A., T. Ford and D. Benson 2016: Predictability of heat waves following drought events in the United States in S2S models (invited). Workshop on Sub-Seasonal to Seasonal Predictability of Extreme Weather and Climate, Lamont-Doherty Earth Observatory, Palisades, New York, USA.



- C181.** Hoyos, I., F. Dominguez, J. E. Cañon-Barriga, R. Nieto, A. Martinez, P. A. Dirmeyer, and L. Gimeno, 2016: Moisture origin and transport processes in Colombia, northern South America. 8<sup>th</sup> EGU Leonardo Conference, Ourense, Spain.
- C180.** Dirmeyer, P. A., J. Wei and A. Badger, 2016: Connections between oceans and continents via the atmospheric water cycle. CLIVAR Open Science Conference, Qingdao, China, 1.3-1.
- C179.** Dirmeyer, P. A., S. Halder and A. Badger, 2016: Teleconnections from land surface anomalies affect SSTs: Two distinct examples. CLIVAR Open Science Conference, Qingdao, China, Wed-151.
- C178.** Heidari, A., and P. A. Dirmeyer, 2016: Confronting Climate Model with satellite data. 3rd Satellite Soil Moisture Validation and Application Workshop, New York, New York, USA.
- C177.** Dirmeyer, P. A. and S. Halder, 2016: Role of land surface states in simulation and prediction of monsoons in CFSv2 (invited). Workshop on "Grand challenges in monsoon modeling: Representation of processes in climate models", International Centre for Theoretical Physics, Trieste, Italy.
- C176.** Dirmeyer, P. A., and L. Chen, 2016: Judging the Dance Contest – Metrics of Land–Atmosphere Feedbacks. 2016 International Land Model Benchmarking (ILAMB) Workshop, Washington, DC, USA.
- C175.** Dirmeyer, P. A., and M. B. Ek 2016: Modeling Land-Surface – Atmosphere. Water Availability Grand Challenge for North America Workshop, Columbia, Maryland, USA.
- C174.** Chen, L., O. W. Frauenfeld, and P. A. Dirmeyer, 2016: Biogeophysical Impacts of Land Cover / Land Use Change on Climate. 2016 Annual Meeting of the Association of American Geographers, San Francisco, California, USA.
- C173.** Bombardi, R., L. Marx, C. S. Shin, A. Tawfik, E. K. Schneider, P. A. Dirmeyer, and J. L. Kinter, 2016: The Heated Condensation Framework as a convective trigger in the NCEP Climate Forecast System version 2. American Meteorological Society 6th Conference on Transition of Research to Operations, New Orleans, Louisiana, USA, 3.3.
- C172.** Halder, S., P. A. Dirmeyer, L. Marx, and J. L. Kinter III, 2016: J17.3 Impact of land surface initialization on seasonal forecasts of the extremes of Indian summer monsoon. American Meteorological Society 30th Conference Hydrology, New Orleans, Louisiana, USA, J17.3.
- C171.** Kumar, S., R. P. Allan, P. A. Dirmeyer, D. M. Lawrence, and F. W. Zwiers, 2016: Revisiting trends in wetness and dryness in the presence of internal climate variability. American Meteorological Society 28th Conference on Climate Variability and Change, New Orleans, Louisiana, USA, 12C.2.
- C170.** Guo, Z., and P. A. Dirmeyer, 2016: Impacts of soil moisture initialization and memory on subseasonal forecast skill over North America. American Meteorological Society 30th Conference Hydrology, New Orleans, Louisiana, USA, 576.
- C169.** Guo, Z., and P. A. Dirmeyer, 2016: Subseasonal to Seasonal Forecast Skill of North American Precipitation and Surface Air Temperature. American Meteorological Society 28th Conference on Climate Variability and Change, New Orleans, Louisiana, USA, 619.
- C168.** Dirmeyer, P. A., 2015: Metrics as Tools for Assessing Land-Climate Feedback in Observations and Models (Invited). American Geophysical Union Fall Meeting, San Francisco, CA, USA, GC24B-01.
- C167.** Dirmeyer, P. A., 2015: The Land Surface as a Source of Predictability on Sub-Seasonal Time Scales (Invited). American Geophysical Union Fall Meeting, San Francisco, CA, USA, A43K-05.
- C166.** Halder, S., P. Dirmeyer, B. Cash and J. Adams, 2015: Potential Regions of Strong Land-atmosphere Coupling Based on the S2S Project Database: Implications for the Indian Summer Monsoon Rainfall Variability. American Geophysical Union Fall Meeting, San Francisco, CA, USA, A33M-0405.
- C165.** Tawfik, A., P. Dirmeyer, and D. Lawrence, 2015: Observed Local Soil Moisture-Atmosphere Feedbacks within the Context of Remote SST Anomalies: Lessons From Recent Droughts. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H33J-06.
- C164.** Kumar, S., F. Zwiers, P. Dirmeyer, D. Lawrence, R. Shrestha and A. Werner, 2015: Robust and Heterogeneous Hydrological Changes under Global Warming. American Geophysical Union Fall Meeting, San Francisco, CA, USA, GC53B-1199.
- C163.** Halder, S., and P. A. Dirmeyer, 2015: Relation of Eurasian snow cover and Indian monsoon rainfall: Delayed hydrological effect. 40th Climate Diagnostics and Prediction Workshop, Denver, Colorado, USA.

- C162.** Dirmeyer, P. A., 2015: GSWP-1 & -2: Lessons learned. Land Modelling "LandMIP" Workshop, ETH Zurich, Zurich, Switzerland.
- C161.** Dirmeyer, P. A., 2015: GLACE 1&2 Overview. Land Modelling "LandMIP" Workshop, ETH Zurich, Zurich, Switzerland.
- C160.** Dirmeyer, P. A., 2015: Water Cycle Linkages Between the Intra-American Seas and Continental Areas. Observing and Modeling Climate Variability in the Intra-American Seas and Impacts on the Continental Americas and the Caribbean, Virtual Conference.
- C159.** Dirmeyer, P. A., 2015: Stranger in a Strange Land Model. Shukla Symposium, Bethesda, Maryland, USA.
- C158.** Dirmeyer, P. A., A. Tawfik, S. Halder, H. Norton, J. Wu, M. G. Bosilovich, J. A. Santanello Jr., and M. B. Ek, 2015: Confronting global land-atmosphere models with coupled process metrics. American Meteorological Society, 29th Conference on Hydrology, Phoenix, Arizona, USA, J1.2.
- C157.** Halder, S., P. A. Dirmeyer, L. Marx, and J. L. Kinter III, 2015: Predictability of the South Asian monsoon in the CFSv2 Operational Forecast Model. American Meteorological Society, Special Symposium on the South Asia Monsoon, Phoenix, Arizona, USA, 878.
- C156.** Shrestha, R. K., J. Meng, P. Xie, P. A. Dirmeyer, M. B. Ek, and K. Mo, 2015: Evaluation of OLR-based CPC high-resolution precipitation in GLDAS re-run experiment. American Meteorological Society, 29th Conference on Hydrology, Phoenix, Arizona, USA, 511.
- C155.** Tawfik, A. B., and P. A. Dirmeyer, 2015: A New Explicit and Computationally Efficient Sub-grid Convective Initiation Scheme. American Meteorological Society, 27th Conference on Climate Variability and Change, Phoenix, Arizona, USA, 12A.2.
- C154.** Kinter, J. L. III, P. A. Dirmeyer, B. Huang, E. K. Schneider, R. Bombardi, S. Halder, C. S. Shin, R. Shukla, and B. Singh, 2015: Promises and Prospects for Predicting the South Asian Monsoon. American Meteorological Society, Special Symposium on the South Asia Monsoon, Phoenix, Arizona, USA, 3.4.
- C153.** Tawfik, A. B., and P. A. Dirmeyer, 2014: Evolution of Soil Moisture-Convection Interactions against the Backdrop of Global Oscillations. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H11J-05.
- C152.** Dirmeyer, P. A., Z. Guo, S. Halder, H. Norton, and J. Wu, 2014: An initial assessment of coupled land-atmosphere memory in (and beyond) reanalysis. 39th Climate Diagnostics and Prediction Workshop, St. Louis, Missouri, USA.
- C151.** Dirmeyer, P. A., A. Tawfik, H. Norton, and J. Wu, 2014: Land-atmosphere feedbacks over North America: How well do weather and climate models represent reality? World Weather Open Sci. Conf. (WWOSC), Montréal, Canada, SCI-PS101.02.
- C150.** Guo, Z. and P. A. Dirmeyer, 2014: Impact of land surface on subseasonal forecasting skill: Inter-model comparison. WWOSC, Montréal, Canada, SCI-PS113.02.
- C149.** Meng, J., Y. Xia, J. Dong, P. Dirmeyer, M. Ek, R. Shrestha, Preliminary investigations on high resolution land data assimilation over CONUS region. WWOSC, Montréal, Canada, SCI-POW1049.
- C148.** Dirmeyer, P. A., L. Yu, S. Amini, A. Crowell, A. Elders, and J. Wu, 2014: Projected transitions from recent climate in the surface water cycle and land-atmosphere coupling, 7th Intl. GEWEX Sci. Conf., The Hague, The Netherlands.
- C147.** Shrestha, R., H. Wei, J. Dong, P. A. Dirmeyer, and M. B. Ek, 2014: Introducing an automated Gap-Filling method to use CEOP data in land surface model evaluation and benchmarking experiment. 7th Intl. GEWEX Sci. Conf., The Hague, The Netherlands.
- C146.** Tawfik, A., and P. A. Dirmeyer, 2014: Rethinking convective triggering in CESM. Community Earth System Modeling Workshop, Breckenridge, Colorado, USA.
- C145.** Dirmeyer, P. A., and A. Tawfik, 2014: Validation of CFSv2 model behavior – Land-atmosphere interactions and the hydrologic cycle. NOAA Climate Prediction Science and Technology Digest, Feb 2014, 75-79.
- C144.** Dirmeyer, P. A., 2014: Does the NOAA global model take full benefit of land state information for subseasonal forecasts? WMO WWRP/THORPEX-WCRP International Conference on Subseasonal to Seasonal Prediction, College Park, Maryland, USA.

- C143.** Xu, Li, and P. A. Dirmeyer, 2014: Snow atmosphere coupling and its associate predictability. WMO WWRP/THORPEX-WCRP International Conference on Subseasonal to Seasonal Prediction, College Park, Maryland, USA.
- C142.** Best, M., G. Abramowitz, H. Johnson, M. Ek, P. A. Dirmeyer, Z. Guo, B. Pak, L. Stevens, M. Decker, G. Balsamo, B. J. J. M. van den Hurk, J. A. Santanello Jr., C. D. Peters-Lidard, S. Kumar, A. J. Pitman, A. A. Boone, H. Kim, and T. Oki, 2014: Results from the international benchmarking project, PLUMBER (PALS Land sUrface Model Benchmarking Evaluation pRoject) (Invited), American Meteorological Society, 28th Conference on Hydrology, J10.2.
- C141.** Kumar, S., J. L. Kinter III, P. A. Dirmeyer, and D. M. Lawrence, 2014: Climate Processes in CMIP5: The “warming hole” simulations in CMIP5 models—role of natural climate variability versus anthropogenic effects, American Meteorological Society, 26th Conference on Climate Variability and Change, 2A.4.
- C140.** Shrestha, R. K., H. Wei, J. Dong, P. A. Dirmeyer, and M. B. Ek, 2014: Sensitivity of albedo and greenness fraction parameters in surface fluxes estimated from Noah land surface models in the FLUXNET sites. American Meteorological Society, 28th Conference on Hydrology, 49.
- C139.** Tawfik, A. B., and P. A. Dirmeyer, 2014: Isolating the Impact of Local and Large-Scale Forcings on Surface Triggered Convection. American Meteorological Society, 28th Conference on Hydrology, J1.1.
- C138.** Dirmeyer, P. A., 2013: Land Surface Processes and Drought Forecast Skill over North America (Invited). American Geophysical Union Fall Meeting, San Francisco, CA, USA, H12B-06.
- C137.** Badger, A. M., and P. A. Dirmeyer, 2013: Modification of Atmospheric Circulations and Transports due to Amazon Deforestation. American Geophysical Union Fall Meeting, San Francisco, CA, USA, GC43A-1036.
- C136.** Oki, T., H. Kim, C. R. Ferguson, P. A. Dirmeyer, and S. I. Seneviratne, 2013: Global water balances reconstructed by multi-model offline simulations of land surface models under GSWP3 (Invited) American Geophysical Union Fall Meeting, San Francisco, CA, USA, H53J-01.
- C135.** Shrestha, R. K., J. Dong, P. A. Dirmeyer, M. B. Ek, and G. Abramowitz, 2013: Evaluation of Noah land surface models in the FLUXNET sites using the Land Information System. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H32G-07.
- C134.** Tawfik, A. B., and P. A. Dirmeyer, 2013: Separating the Impact of Local and Large-scale Forcings on Soil Moisture-Precipitation Coupling. American Geophysical Union Fall Meeting, San Francisco, CA, USA, H11L-02.
- C133.** Dirmeyer, P. A. and A. Tawfik, 2013: Validation of CFSv2 model behavior – land-atmosphere interactions and the hydrologic cycle. 38th Climate Diagnostics and Prediction Workshop, College Park, Maryland, USA.
- C132.** Tawfik, A. and P. A. Dirmeyer, 2013: A process-based framework for isolating large-scale and surface forcing during convection. 38th Climate Diagnostics and Prediction Workshop, College Park, Maryland, USA.
- C131.** Dirmeyer, P. A., Y. Jin, B. Singh, and X. Yan, 2013: Determining land-atmosphere coupling trends in a changing climate from multi-model ensembles. American Meteorological Society, 25th Conference on Climate Variability and Change, TJ15.2.
- C130.** Dirmeyer, P. A., J. Wei, M. Bosilovich, 2013: Comparing evaporative sources using relative entropy – a tool to diagnose the origins of droughts. American Meteorological Society, 27th Conf. on Hydrology, TJ3.4.
- C129.** Best, M., G. Abramowitz, G. Balsamo, E. Blyth, A. A. Boone, P. A. Dirmeyer, M. B. Ek, R. D. Koster, S. V. Kumar, T. Oki, C. D. Peters-Lidard, A. Pitman, J. Polcher, J. A. Santanello Jr., B. J. J. M. van den Hurk, and P. Viterbo, 2013: Benchmarking: An International Model Comparison. American Meteorological Society, 27th Conf. on Hydrology, 4B.1.
- C128.** Wei, J., and P. A. Dirmeyer, 2013: Dissecting soil moisture-precipitation coupling. American Meteorological Society, 27th Conf. on Hydrology, 4B.6.
- C127.** Wei, J., P. A. Dirmeyer, D. Wisser, M. Bosilovich, and D. M. Mocko, 2013: Where does the irrigation water go? An estimate of the contribution of irrigation to precipitation using MERRA. American Meteorological Society, 27th Conf. on Hydrology, J2.4.
- C126.** Kumar, S., J. L. Kinter III and P. Dirmeyer, 2013: Role of natural climate variability in regional climate change and its application to water resources. World Environmental & Water Resources Congress, Cincinnati, Ohio, USA, #1196.

- C125.** Kumar, S., P. A. Dirmeyer, and D. M. Lawrence, 2012: Twenty-first century challenges in water resources – A land-atmosphere interaction perspective. American Geophysical Union Fall Meeting, San Francisco, CA, GC41A-0954.
- C124.** Dirmeyer, P. A., Y. Jin, B. Singh, and X. Yan, 2012: Land-atmosphere coupling trends in a changing climate. 1st GEWEX Pan-Global Atmospheric System Study (GASS) Conference, Boulder, Colorado, USA, PM41.
- C123.** Kumar, S., P. A. Dirmeyer, Z. Guo, T. DelSole, J. L. Kinter III, B. A. Cash, M. J. Fennessy, E. L. Altshuler, and D. M. Straus, 2012: Sub-seasonal to seasonal climate predictability in a changing climate: effects of land cover change. 1st GEWEX Pan-Global Atmospheric System Study (GASS) Conference, Boulder, Colorado, USA, PM37.
- C122.** Dirmeyer, P. A., 2012: Water Cycle and Land-Atmosphere Coupling. CFSv2 Evaluation Workshop, Riverdale, Maryland, USA.
- C121.** Dirmeyer, P. A., J. Wei, M. G. Bosilovich, and D. M. Mocko, 2012: A water cycle perspective on the connection between precipitation extremes and circulation anomalies. 4<sup>th</sup> WCRP International Conference on Reanalyses, Silver Spring, Maryland, USA.
- C120.** Wei, J., P. A. Dirmeyer, M. G. Bosilovich, and D. M. Mocko, 2012: Where does the irrigation water go? An estimate of the contribution of irrigation to precipitation using MERRA. 4<sup>th</sup> WCRP International Conference on Reanalyses, Silver Spring, Maryland, USA.
- C119.** Mocko, D. M., M. G. Bosilovich, A. da Silva, P. A. Dirmeyer, and J. Wei, 2012: Water vapor tracers in MERRA replay mode using the NASA/GSFC GEOS-5 GCM. 4<sup>th</sup> WCRP International Conference on Reanalyses, Silver Spring, Maryland, USA.
- C118.** Dirmeyer, P. A., 2011: A global perspective on local land-atmosphere coupling – present and future. (invited) American Geophysical Union Fall Meeting, San Francisco, CA, H24E-01.
- C117.** Dirmeyer, P. A., B. A. Cash, J. L. Kinter III, T. Jung, L. Marx, P. Towers, N. Wedi, D. Achuthavari, J. M. Adams, E. L. Altshuler, B. Huang, E. K. Jin, and J. Manganello, 2011: Precipitation extremes in a changing climate – results from high-resolution climate simulations. WCRP Open Science Conference, Denver, Colorado, USA, C39-TH159B.
- C116.** Dirmeyer, P. A., D. Straus, J. L. Kinter III, M. J. Fennessy, B. A. Cash, T. DelSole, E. L. Altshuler, D. A. Paolino, Z. Guo, B. Huang, and J. Shukla, 2011: Predictability in a changing climate – comparison of intraseasonal to seasonal forecasts in a pre-industrial versus modern background climate. WCRP Open Science Conference, Denver, Colorado, USA, C25-W75A.
- C115.** Dirmeyer, P. A., J. Wei and M. G. Bosilovich, 2011: Critical sources of evaporated moisture for terrestrial precipitation. WCRP Open Science Conference, Denver, Colorado, USA, C10-M23B.
- C114.** Dirmeyer, P. A., J. Wei, Z. Guo, and L. Zhang, 2011: Investigation of land-atmosphere interaction with a multi-model coupling approach. WCRP Open Science Conference, Denver, Colorado, USA, C10-M30A.
- C113.** Guo, Z., P. A. Dirmeyer and T. DelSole, 2011: Relative contribution of sea surface temperature and soil moisture to subseasonal atmospheric predictability. WCRP Open Science Conference, Denver, Colorado, USA, C25-W72A.
- C112.** Kumar, S., V. Merwade, and P. A. Dirmeyer, 2011: Evaluation of hydroclimatic variables from IPCC-AR5 climate models using observation, reanalysis, and land data assimilation system. WCRP Open Science Conference, Denver, Colorado, USA, C34-W177B.
- C111.** Seneviratne, S. I., C. Jimenez, B. Mueller, C. Kummerow, M. McCabe, W. B. Rossow, G. Balsamo, P. Ciais, P. A. Dirmeyer, H. Dolman, J. B. Fisher, F. Ludwig, C. Prigent, R. H. Reichle, M. Reichstein, M. Rodell, B. Su, K. Wang, and E. F. Wood, 2011: The LandFlux-EVAL initiative. 3rd iLEAPS Science Conference, Garmisch-Partenkirchen, Germany.
- C110.** Dirmeyer, P. A., B. A. Cash, J. L. Kinter III, T. Jung, L. Marx, P. Towers, N. Wedi, D. Achuthavari, J. M. Adams, E. L. Altshuler, B. Huang, E. K. Jin, and J. Manganello, 2011: Evidence for enhanced land-atmosphere feedback in a warming climate. WCRP Workshop on Drought Predictability and Prediction in a Changing Climate, 2-4 March 2011, Barcelona, Spain.
- C109.** Dirmeyer, P. A., 2010: A Life Story of the Global Soil Wetness Project. Second International Conference of Hydrology delivers Earth System Science to Society, Tokyo, Japan.
- C108.** Guo, Z., and P. A. Dirmeyer, 2010: Land surface impacts on subseasonal predictability and forecast skill. Second International Conference of Hydrology delivers Earth System Science to Society, Tokyo, Japan.

- C107.** Mueller, B., S. I. Seneviratne, C. Jimenez, T. Corti, W. Dorigo, M. Hirschi, G. Balsamo, P. Ciais, P. Dirmeyer, J. B. Fisher, M. Jung, C. D. Kummerow, F. Maignan, M. F. McCabe, R. Reichle, M. Reichstein, M. Rodell, W. B. Rossow, J. Sheffield, A. J. Teuling, K. Wang, and E. F. Wood, 2010: Evaluation of global evapotranspiration datasets: The LandFlux-Eval project. The Fourth International Workshop on Catchment-scale Hydrological Modeling and Data Assimilation (CAHMDA IV), Lhasa, China.
- C106.** Zhou, L., R. E. Dickinson, A. Dai, and P. Dirmeyer, 2009: Detection and Attribution of Anthropogenic Forcing to Diurnal Temperature Range Changes from 1950 to 1999: Comparing Multi-Model Simulations with Observations. American Geophysical Union Fall Meeting, H41G-0989.
- C105.** Dirmeyer, P. A. (INVITED), Z. Guo, R. Koster, K. Brubaker, and C. A. Schlosser, 2009: Building the case for (or against) land-driven climate predictability. Water in a Changing Climate: Progress in Land-Atmosphere Interactions and Energy/Water Cycle Research Parallel GEWEX and iLEAPS Science Conferences, Melbourne, Australia.
- C104.** Dirmeyer, P. A., and J. L. Kinter III, 2009: The Maya Express – Linking tropical moisture to mid-latitude flooding over North America. 6th International Scientific Conference on the Global Energy and Water Cycle, Melbourne, Australia
- C103.** DelSole, T., P. A. Dirmeyer, and M. Zhao, 2009: Diagnosis of land-atmosphere dynamics and the atmospheric water cycle through model empirical correction. Water in a Changing Climate: Progress in Land-Atmosphere Interactions and Energy/Water Cycle Research Parallel GEWEX and iLEAPS Science Conferences, Melbourne, Australia. JA-9.
- C102.** Koster, R. D., Z. Guo and P. A. Dirmeyer, 2008: Robustness of agricultural drought indices derived from land surface model integrations. American Meteorological Society, 22st Conf. on Hydrology, 5.1.
- C101.** Dirmeyer, P. A., and K. L. Brubaker, 2007: Atmospheric transfer of surface water between basins and between nations. American Meteorological Society, 21st Conf. on Hydrology, J2.2.
- C100.** Dirmeyer, P. A., and C. A. Schlosser, 2007: The connection between precipitation recycling and land surface memory. American Meteorological Society, 21st Conf. on Hydrology, 6A.8.
- C99.** Zhao, M., T. M. DelSole, P. Dirmeyer, and B. Kirtman 2007: Systematic errors effect on seasonal predictive skill. American Meteorological Society, 16th Conf. on Applied Climatology, 4.3.
- C98.** Gao, X., and P. Dirmeyer, 2006: Sensitivity of land surface simulations to the treatment of vegetation properties and implications for seasonal climate prediction. 36th COSPAR Scientific Assembly, Beijing, China. Abstract #1816.
- C97.** Dirmeyer, P. A., and K. L. Brubaker, 2006: Sources, sinks and trends in the water cycle from a back-trajectory analysis of atmospheric water vapor. American Geophysical Union Spring Meeting, A22A-03.
- C96.** Schlosser, C. A., and P. A. Dirmeyer, 2006: Evaluating Land Memory from the Global Soil Wetness Project Phase 2 Simulations: A North American Perspective. American Geophysical Union Spring Meeting, A22A-05.
- C95.** Guo, Z., and P. A. Dirmeyer, 2006: Evaluation of GSWP-2 Soil Moisture Simulations and its Implication for Seasonal Prediction. American Geophysical Union Spring Meeting, A33D-03.
- C94.** Dirmeyer, P. A., Z. Guo, and R. D. Koster, 2006: (INVITED) Do global models properly represent the feedback between land and atmosphere?. American Meteorological Society, Joint 18th Conf. on Climate Var. and Change and 20th Conf. on Hydrology, J5.9.
- C93.** Gao, X., P. A. Dirmeyer, Z. Guo and M. Zhao, 2006: Sensitivity of land surface simulations to the distribution and treatment of vegetation properties in GSWP-2. American Meteorological Society, Joint 20th Conf. on Hydrology, 1.9.
- C92.** Guo, Z., and P. A. Dirmeyer, 2006: A global analysis of variability and trends of soil moisture. American Meteorological Society, 18th Conf. on Climate Var. and Change, J5.13.
- C91.** Guo, Z., P. A. Dirmeyer, and R. D. Koster, 2006: The role of land surface schemes on land-atmosphere coupling strength in weather and climate models. American Meteorological Society, Joint 18th Conf. on Climate Var. and Change and 20th Conf. on Hydrology, JP1.34.
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- C66.** Dirmeyer, P. A., M. Zhao and J. Shukla, 2004: The contribution of land-atmosphere interaction to boreal summer season predictability. Proc. 1st International CLIVAR Science Conference, ST-38, 64.
- C65.** Fan, M., E.K. Schneider, and P. Dirmeyer, 2004: Impact of Amazon deforestation in a coupled general circulation model. Proc. 1st International CLIVAR Science Conference, ST-37, 64.
- C64.** Koster, R., Z. Guo and P. Dirmeyer, 2004: GLACE: Quantifying land-atmosphere coupling strength across a broad range of climate models. Proc. 1st International CLIVAR Science Conference, ST-36, 63.
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- C58.** Zhao, M. and P. Dirmeyer, 2004: Analysis and comparison of GSWP-2 input data sets. American Meteorological Society, 18th Conf. on Hydrology, 1.2.
- C57.** Gao, X., and P. A. Dirmeyer, 2004: Remote Sensing Validation of Land Surface Schemes on a Global Scale. American Meteorological Society, 18th Conf. on Hydrology, 1.7.
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- C49.** Dirmeyer, P. A., and T. Oki, 2002: Second GEWEX/GLASS Global Soil Wetness Project (GSWP2). Amer. Geophys. Union, 2002 Spring Meeting, B32A-09.

- C48.** Dirmeyer, P. A., and C. A. Schlosser, 2002: Dynamical seasonal climate predictability over the GAPP domain. Abs. Vol. Mississippi River Climate and Hydrology Conference, 33.
- C47.** Dirmeyer, P. A., and T. Oki, 2002: Second GEWEX/GLASS Global Soil Wetness Project (GSWP2). Abs. Vol. Mississippi River Climate and Hydrology Conference, 54.
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- C40.** Fennessy, M. J., P. A. Dirmeyer, J. L. Kinter, A. Schlosser, J. Shukla, J. Huang, and L. Sun, 2000: Impact of initial soil wetness on seasonal atmospheric predictions over the U.S. during March-April-May 2000. Amer. Geophys. Union, 2000 Spring Meeting, A32D-04.
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- C29.** Xue, Y., H. H. Juang, P. A. Dirmeyer, S. Y. Hong, M. Kanamitsu, and Y. Sud, 2000: Sensitivity of GCM simulations to land-surface processes. Proc. 11th Symp. on Global Change Studies, American Meteorological Society.



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- C25.** Dirmeyer, P. A., F. J. Zeng, A. Ducharne, R. D. Koster, and J. Morrill, 1999: Sensitivity of surface fluxes to soil water content in three land surface schemes. 14th Conf. on Hydrology, American Meteorological Society, 225-227.
- C24.** Dirmeyer, P. A., and K. L. Brubaker, 1999: The sources of moisture for warm season precipitation over the United States. 14th Conf. on Hydrology, American Meteorological Society, 309-311.
- C23.** Oki, T., T. Nishimura, and P. Dirmeyer, 1999: Validation of runoff by land surface models in major river basins of the globe using TRIP. 14th Conf. on Hydrology, American Meteorological Society, 222-223.
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- C21.** Dirmeyer, P. A., 1998: The impact of GSWP soil wetness analyses on GCM simulations of summer climate over the United States. Abs. Vol. GCIP Miss. Riv. Climate Conf., 131.
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- C18.** Dirmeyer, P. A., 1997: "What is the state of global and regional models in simulating precipitation, soil wetness, surface temperature, and runoff?" Modeling Strategy for Regional Climate Prediction and Assessment over North America: A PACS/GCIP Workshop, Silver Spring, Maryland, USA.
- C17.** Dirmeyer, P. A., 1997: Global water and energy flux data from the Global Soil Wetness Project. Eos, Transactions, Amer. Geophys. Union, 1997 Spring Meeting, 78, S156.
- C16.** Dirmeyer, P. A., 1997: Can seasonal climate simulation be improved by the GSWP soil wetness climatology? Proc. 13th Conf. on Hydrology, American Meteorological Society, 169.
- C15.** Dirmeyer, P. A., 1997: The sensitivity of soil wetness, runoff and surface fluxes to infiltration properties. Proc. 13th Conf. on Hydrology, American Meteorological Society, 335-336.
- C14.** Dirmeyer, P. A., J. L. Kinter and B. E. Doty, 1996: Predicting skill for ensemble characteristics in the NCEP medium range forecasts. 11th Conf. Numerical Weather Prediction, American Meteorological Society.
- C13.** Dirmeyer, P. A., 1996: The impact of GSWP soil wetness on seasonal climate simulation and predictability. Second Intl. Scientific Conf. on the Global Energy and Water Cycle, World Climate Research Programme, 454.
- C12.** Dirmeyer, P. A., 1996: The sensitivity of GSWP soil wetness to infiltration rate and convective precipitation distribution. Second Intl. Scientific Conf. on the Global Energy and Water Cycle, World Climate Research Programme, 455.
- C11.** Dirmeyer, P. A., 1996: Using the simplified Simple Biosphere model to generate global soil wetness climatologies. Eos, Transactions, Amer. Geophys. Union, 1996 Spring Meeting, 77, S123.
- C10.** Dirmeyer, P. A., 1996: The role of land-sea geometry in determining monsoon circulations. Proc. Symp. Global Ocean-Atmosphere-Land System (GOALS), American Meteorological Society, 140-142.
- C9.** Dirmeyer, P. A. and J. Shukla, 1995: The effect on climate of expansion of the world's deserts. Proc. 6th Symp. Global Change Studies, American Meteorological Society, 6-9.
- C8.** Reale, O., P. A. Dirmeyer and J. Shukla, 1995: Modeling the effects of the African rainforest on climate. 6th Symp. Global Change Studies, American Meteorological Society.
- C7.** Dirmeyer, P. A. 1995: An objective river routing scheme for runoff models. Proc. Conf. On Hydrology, American Meteorological Society, 91-92.

- C6.** Dirmeyer, P. A., 1994: The response of climate to subtropical desertification in a GCM with idealized topography. Proc. 6th Conf. Climate Variations, American Meteorological Society, 37-40.
- C5.** Dirmeyer, P. A., and J. Shukla, 1994: The response of the general circulation to deforestation in the tropics. Proc. 5th Symp. Global Change Studies, American Meteorological Society, 131-134.
- C4.** Dirmeyer, P. A., 1993: Vegetation as a feedback in mid-latitude drought. Eos, Transactions, Amer. Geophys. Union, 1993 Spring Meeting, 74, 64.
- C3.** Shukla, J., and P. A. Dirmeyer, 1993: The importance of albedo in determining climate response to tropical deforestation. Eos, Transactions, Amer. Geophys. Union, 1993 Spring Meeting, 74, 67.
- C2.** Dirmeyer, P. A., 1991: The impact on climate of Amazon deforestation in a GCM with interactive clouds. Proc. 5th Conf. Climate Variations, American Meteorological Society, 271-273.
- C1.** Dirmeyer, P. A., 1989: The role of non-linearity in the structure of stationary waves in a one-layer spectral model. Proc. 7th Conf. on Atmospheric and Oceanic Waves and Stability, American Meteorological Society, 60.

### **Other Meetings:**

- M115.** Invited participant, "International Workshop of First Phase of GEWEX/GASS ILSTSS2S Initiative and TPEMIP" Washington, DC, USA. 8-9 December 2018.
- M115.** Invited participant, "Enabling FAIR Data – Stakeholder Meeting" Alexandria, Virginia USA. 16-17 November 2017.
- M114.** Invited participant, "Briefing to the US CLIVAR Summit PPAI Panel Breakout: NOAA S2S Prediction Task Force" US CLIVAR Summit, Baltimore, MD USA. 9 August 2017.
- M113.** WWRP/WCRP Seasonal to Subseasonal (S2S) Steering Group Meeting, Columbia University, New York, New York, USA, 8-9 December 2016.
- M112.** NOAA Modeling Analysis Prediction and Projection (MAPP) Subseasonal-to-Seasonal (S2S) Prediction Task Force Kick-Off Meeting, Lamont-Doherty Earth Observatory, Palisades, New York, USA, 5 December 2016.
- M111.** Co-organizer, 8<sup>th</sup> EGU Leonardo Conference: "From Evaporation to Precipitation: the Atmospheric Moisture Transport", European Geophysical Union, Ourense, Spain, 25-27 October 2016.
- M110.** Invited participant, WCRP Workshop: "Climate Science: Thinking out of the Box", ICSU Secretariat, Paris, France, 23-24 June 2016.
- M109.** "Confronting CLM with land surface observations" presented by A. Tawfik, NCAR Land Model Working Group (LMWG) Meeting, Boulder, Colorado, 3 March 2015.
- M108.** Session Chair and Workshop Advisory Committee Member, 6th International Workshop on Catchment Hydrological Modeling and Data Assimilation (CAHMDA-VI) and 3rd International Workshop on Data Assimilation for Operational Hydrology and Water Management of the Hydrologic Ensemble Prediction Experiment (HEPEX-DAFOH III), Austin, Texas, USA, September 8-12, 2014.
- M107.** Co-convener and speaker on "Scientific Challenges", NSF Hydrologic-Atmospheric Community Workshop, Colorado School of Mines, Golden, Colorado, USA, 3-5 September 2014.
- M106.** Co-convener, Theme 3 Interactions between sub-systems – Topic on Land-atmosphere interactions and water cycle, World Weather Open Sci. Conf. (WWOSC), Montréal, Canada, 16-21 August, 2014.
- M105.** WWRP/WCRP Seasonal to Subseasonal (S2S) Steering Group Meeting, Environment Canada, Montréal, Canada, 22 August, 2014.
- M104.** Co-convener, 7th International GEWEX Science Conference, World Forum, The Hague, The Netherlands, 17-21 July 2014.
- M103.** GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, The Hague, The Netherlands, 17-21 July 2014.
- M102.** GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, Exeter, Devon, UK, 16-18 October 2013.
- M101.** GEWEX Diurnal Coupling Experiment (DICE) workshop, Exeter, Devon, UK, 16-18 October 2013.
- M100.** "Seasonal climate forecasts in past, present and future climate – Role of the land surface" NCAR Land Model Working Group (LMWG) Meeting, Boulder, Colorado, 20 February 2013.

- M99.** GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, Denver, Colorado, USA, 23 October 2011.
- M98.** NOAA Water Cycle Science Challenge Workshop, Boulder, Colorado, USA, 30 August-1 September 2011.
- M97.** NASA Gravity Recovery and Climate Experiment (GRACE) Science Review Panel, Potomac, Maryland, USA, 26-27 July 2011.
- M96.** Terrestrial Regional North American Hydroclimate Experiment (TRACE) Community Discussion Workshop, Silver Spring, Maryland, USA, 18-20 April 2011.
- M95.** "Multi-Model Approaches to Improve Land Surface Analyses" GEWEX/iLEAPS LANDFLUX Meeting, Melbourne, Australia 23 August 2009.
- M94.** "CLM-related research at COLA" Presented at NCAR CCSM Land Model Working Group, Boulder, Colorado, USA, 30-31 March 2009.
- M93.** World Climate Research Programme (WCRP)/ Climate Variability (CLIVAR)/ Variability of American Monsoon Systems (VAMOS) Panel 11, Miami, Florida, USA. 25-27 March 2008.
- M92.** Community Climate System Model (CCSM) Land Model Working Group (LMWG), Boulder, Colorado, USA, 20-21 February 2008.
- M91.** Center for Research on Environment and Water (CREW) WaterNet Team Meeting, Calverton, Maryland, USA, 19-20 November 2007.
- M90.** 12th Annual CCSM Workshop, Breckenridge, Colorado, USA, 19 – 21 June 2007.
- M89.** Board on Atmospheric Science and Climate (BASC), Climate Research Committee (CRC) Spring Meeting, Washington, DC, USA, 16-17 May 2007.
- M88.** 3rd Working Group on Numerical Experimentation (WGNE) Workshop on Systematic Errors in Climate and NWP Models, San Francisco, California, USA, 12-16 February 2007.
- M87.** BASC, CRC WCRP Round-Table, Washington, DC, USA, 30 November 2006.
- M86.** NASA Energy and Water System (NEWS) PI Meeting, College Park, Maryland, USA, 26-28 September 2006.
- M85.** US African Monsoon Multi-disciplinary Analysis (AMMA) Workshop, Silver Spring, Maryland, USA, 4-5 May 2006.
- M84.** National Science Foundation (NSF) Workshop on Innovation and Discovery, Arlington, Virginia, USA, 17-18 May 2006.
- M83.** US Dept. Agriculture (USDA) Agricultural Research Service (ARS) Hydrology and Remote Sensing Laboratory (HRSL) Review, Beltsville, Maryland, USA, 21 February 2006.
- M82.** Joint Session of the 21st CAS/JSC Working Group on Numerical Experimentation (WGNE) and 9th GEWEX Modeling and Prediction Panel (GMPP), St. Petersburg, Russia, 8-12 November 2005.
- M81.** 6th GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, KNMI, DeBilt, Netherlands, 21-23 September 2005.
- M80.** Joint Global Land Atmosphere System Study (GLASS) GEWEX Atmospheric Boundary Layer Study (GABLS) Workshop, KNMI, DeBilt, Netherlands, 19-21 September 2005.
- M79.** Observational and Modelling Requirements for Predicting Drought on Seasonal to Decadal Time Scales, University of Maryland, College Park, Maryland, USA, 17-19 May 2005.
- M78.** International Satellite Land-Surface Climatology Project (ISLSCP) Science and Evaluation Workshop, University of Maryland Baltimore County, Catonsville, Maryland, USA, 3-5 May 2005.
- M77.** European Land Data Assimilation System (ELDAS) workshop on Land Surface Assimilation, European Centre for Medium-range Weather Forecasts, Reading, United Kingdom, 8-11 November 2004
- M76.** Joint Session of the 20th CAS/JSC Working Group on Numerical Experimentation (WGNE) and 8th GEWEX Modeling and Prediction Panel (GMPP), United Kingdom Meteorological Office, Exeter, United Kingdom, 11-15 October 2004.
- M75.** NASA Terrestrial Hydrology Program Meeting, University of Maryland, College Park, Maryland, USA, 5-8 October 2004.
- M74.** 5th GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, Heian Convergence Center, Kyoto, Japan, 13-15 September 2004.

- M73.** Workshop on the Second Global Soil Wetness Project (GSWP-2), Heian Conference Center, Kyoto, Japan, 15-17 September 2004.
- M72.** Targeted training activity - Course on climate dynamics for climate research centers and university lecturers, The Abdus Salam International Center for Theoretical Physics, Trieste, Italy, 9-27 August, 2004.
- M71.** Integrated Land Ecosystem-Atmosphere Process Study (iLEAPS) Scientific Steering Committee Meeting, Helsinki, Finland, 28-29 June 2004.
- M70.** Symposium on Climate Dynamics and Predictability, Center for Ocean-Land-Atmosphere Studies, 18 June 2004.
- M69.** Climate system Observational and Prediction Experiment (COPE) Workshop on Seasonal Prediction, East-West Center, Honolulu, Hawaii, USA, 3-5 November, 2003.
- M68.** Global Water System Project (GWSP) Open Science Conference, Portsmouth, New Hampshire, USA, 7-9 October 2003.
- M67.** Project to Intercompare Land-surface Parameterization Schemes (PILPS) Semi-Arid (San Pedro/Seville) Workshop, Tucson, Arizona, USA, 27-29 August, 2003.
- M66.** 4th GEWEX Global Land Atmosphere System Study (GLASS) Science Panel Meeting, Tucson, Arizona, USA, 25-27 August, 2003.
- M65.** 3rd Global Water Cycle Program (GWCP) Science Steering Group Meeting, National Science Foundation, Arlington, Virginia, USA, 18-19 August 2003.
- M64.** North American Monsoon Experiment (NAME) Modeling and Data Assimilation R&D Workshop, College Park, Maryland, USA, 6 June 2003.
- M63.** NASA/CLIVAR Subseasonal Workshop, College Park, Maryland, USA, 4-5 June 2003.
- M62.** NAME 4th Scientific Working Group Meeting, Boulder, Colorado, USA, 9-10 January 2003.
- M61.** Global Water Cycle Program (GWCP) Science Steering Group Meeting, Bethesda, Maryland, USA, 6-7 January 2003.
- M60.** US-CLIVAR Pan-American Panel Meeting, Albuquerque, New Mexico, USA, 17-18 December 2002.
- M59.** ISLSCP Future Strategy and Initiative II Meeting, Silver Spring, Maryland, USA, 8-9 October 2002
- M58.** 3rd GLASS Science Panel Meeting, COLA, Calverton, Maryland, USA, 2-4 October, 2002.
- M57.** GSWP-2 Kickoff Meeting, COLA, Calverton, Maryland, USA, 30 September-1 October 2002.
- M56.** Global Water Cycle Program (GWCP) Science Steering Group Meeting, Beltsville, Maryland, USA, 29-31 July 2002.
- M55.** Climate of the Twentieth Century (C20C) Workshop, COLA, Calverton, Maryland, USA, 22-25 January 2002.
- M54.** 2nd GLASS Science Panel Meeting, Mètèo-France, Toulouse, France, 7-9 November, 2001.
- M53.** GSWP Rhône/AGG Project Workshop, Mètèo-France, Toulouse, France, 5-7 November, 2001.
- M52.** NASA/NOAA GAPP & Land Surface Hydrology Joint PI Meeting, Potomac, Maryland, USA, 30 April-4 May 2001.
- M51.** BAHC Synthesis Meeting, Aalsmeer, Netherlands, 7-8 March, 2001
- M50.** CEOP International Workshop, NASA/GSFC, Greenbelt, Maryland, USA, 27 February-1 March 2001.
- M49.** LBA Ecology Open Meeting, Atlanta, Georgia, USA, 12-14 February 2001.
- M48.** ISLSCP Initiative II Mid-Course Workshop, NASA/GSFC, Greenbelt, Maryland, USA, 15-17 November 2000.
- M47.** US CLIVAR Pan-American Principal Investigators Meeting, Potomac, Maryland, USA, 6-8 September 2000.
- M46.** 1st GLASS Science Panel Meeting, Lucas Heights, New South Wales, Australia, 19-21 July 2000.
- M45.** CLIVAR Pan-American Climate System (PACS) Implementation Panel Meeting, Portland, Oregon, USA, 7-8 June 2000.
- M44.** CLIVAR Seasonal-to-Interannual Modeling, Analysis and Prediction (SIMAP) Panel Meeting, Calverton, Maryland, USA, 22-24 May 2000.
- M43.** GEWEX/BAHC International Workshop on Soil Moisture Monitoring, Analysis and Prediction, Norman, Oklahoma, USA, 16-18 May 2000.
- M42.** Global Soil Wetness Project GSWP1.5 & GSWP2 Planning Workshop, Norman, Oklahoma, USA, 15 May 2000.

- M41.** ISLS/BAHC Science Panel Meeting and BAHC Synthesis Editors Meeting, Caracas, Venezuela, 10-15 April 2000.
- M40.** GCIP PI Meeting and GEWEX America Prediction Project (GAPP) Planning Meeting, Potomac, Maryland, USA, 27-28 March 2000.
- M39.** US CLIVAR Joint Panel Meeting, Costa Mesa, California, USA, 14-15 January 2000.
- M38.** GEWEX/INSU International Workshop on Modeling Land-Surface Atmosphere Interactions and Climate Variability, Gif-sur-Yvette, France, 4-8 October, 1999.
- M37.** BAHC/GCTE/GEWEX Workshop on Modeling Root Water Uptake in Hydrological and Climate Models, Gif-sur-Yvette, France, 30 September - 2 October 1999.
- M36.** GEWEX Continental-scale International Project (GCIP) Principal Investigators Meeting, College Park, Maryland, 17-19 May 1999.
- M35.** Global Precipitation Climatology Project (GPCP) User Workshop, Silver Spring, Maryland, 10-12 May 1999.
- M34.** First Biospheric Aspects of the Hydrologic Cycle (BAHC) Synthesis Workshop, Obereggen, Italy, 6-12 March 1999.
- M33.** Common Land Model Development Workshop, Tucson, Arizona, 1-3 March 1999.
- M32.** International Workshop on the Land-Surface Water Budget, Tsukuba, Japan, 19-21 January 1999.
- M31.** Joint CAS/JSC Working Group on Numerical Experimentation (WGNE) 14th Session, and GEWEX Modelling and Prediction Panel (GMPP), Second Session, RPN, Montreal, Quebec, Canada, 2-6 November 1998.
- M30.** NASA EOS Investigators Working Group Meeting, University of New Hampshire, Durham, New Hampshire, 19-21 October 1998.
- M29.** ECMWF and WCRP/GEWEX Workshop on Modelling and Data Assimilation for Land-Surface Processes, ECMWF, Reading, England, 29 June - 2 July 1998.
- M28.** NCAR Climate System Model (CSM) Workshop, Breckenridge, Colorado, 22-24 June 1998.
- M27.** IGBP Biospheric Aspects of the Hydrologic Cycle (BAHC) 8th Scientific Steering Committee Meeting, UNESCO Headquarters, Paris, France, 30 April - 1 May 1998.
- M26.** International Workshop on Land Surface Data in Climate and Weather Models, UNESCO Headquarters, Paris, France, 28-29 April 1998.
- M25.** International Satellite Land-Surface Climatology Project (ISLS/CP) Science Panel Meeting, UNESCO Headquarters, Paris, France, 27-28 April 1998.
- M24.** GCIP Post-2000 Vision Meeting, Wheaton, Maryland, 20-21 April 1998.
- M23.** Southern Great Plains 1997 (SGP97) Hydrology Project Workshop, Columbia, Maryland, 3-5 March 1998.
- M22.** CSM Land-Model Working Group Meeting, Boulder, Colorado, 19-20 February 1998
- M21.** World Climate Research Programme First International Conference on Reanalyses, Silver Spring, Maryland, USA, 27-31 October 1997.
- M20.** International Satellite Land-Surface Climatology Project (ISLS/CP) Science Panel Meeting, Silver Spring, Maryland, USA, 10-11 July 1997.
- M19.** NCAR Climate System Model (CSM) Workshop, Breckenridge, Colorado, USA, 24-26 June 1997.
- M18.** IGBP Biospheric Aspects of the Hydrologic Cycle (BAHC) 7th Scientific Steering Committee Meeting, Polson, Montana, USA, 29 May-1 June 1997.
- M17.** GEWEX/IGBP Workshop on Land-Surface Parameterizations and Soil-Vegetation-Atmosphere Transfer Schemes, La Jolla, California, USA, 10-14 February 1997.
- M16.** Session Chair, AMS Conference on Hydrology, Long Beach, California, USA, 2-8 February 1997.
- M15.** Chair, GEWEX Global Soil Wetness Project (GSWP) Final Meeting, Long Beach, California, USA, 8 February 1997.
- M14.** Large-Scale Biosphere-Atmosphere Experiment in Amazonia (LBA) Science Meeting, São Jose dos Campos, Brazil, 27-29 June 1996.
- M13.** Chair, GEWEX Global Soil Wetness Project (GSWP) Meeting, Goddard Space Flight Center, Greenbelt, Maryland, USA, 30-31 May 1996.

- M12.** ISLSCP Science Panel Meeting, Goddard Space Flight Center, Greenbelt, Maryland, USA, 29-30 May 1996.
- M11.** Intergovernmental Panel on Climate Change (IPCC) Working Group II; Regional Impacts Study Meeting, Washington, DC, USA, 15-16 May 1996.
- M10.** Chair, GEWEX GSWP production team meeting, Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland, USA, 24-25 August 1995.
- M9.** International Union of Geodesy and Geophysics, XXI General Assembly, Boulder, Colorado, USA, 2-14 July 1995.
- M8.** ISLSCP Science Panel Meeting, Goddard Space Flight Center, Greenbelt, Maryland, USA, 15-16 June 1995.
- M7.** GEWEX Global Soil Wetness Workshop, Longmont, Colorado, USA, 4-6 October 1994.
- M6.** Chair, Meeting on Problems in Initializing Soil Wetness, Center for Ocean-Land-Atmosphere Studies, Calverton, Maryland, USA, 19 August 1994.
- M5.** NATO Workshop on Prediction of Interannual Climate Variations, July 1991, International Center for Advanced Studies, Trieste, Italy, sponsored by the NATO Science Committee.
- M4.** Summer School for Earth Sciences, "Processes of Global Change", August 1990, California Institute of Technology, Pasadena, California, USA, sponsored by NASA Jet Propulsion Laboratory.
- M3.** Mini Symposium on Climate and Global Change, June 1990, International Center for Earth and Environmental Sciences, Trieste, Italy, sponsored by the United Nations Industrial Development Organization.
- M2.** Workshop on the 1988 United States Drought, May 1990, Center for Ocean-Land-Atmosphere Interactions and Department of Meteorology, University of Maryland, College Park, Maryland.
- M1.** "The role of non-linearity in the structure of stationary waves in a one-layer spectral model." Paper presented at Graduate Research Interaction Day, University of Maryland, sponsored by the Graduate Student Association, 19 April 1989.