

Refereed Publications

Authors	Year	Title	Journal	Volume	Pages	Status of unpublished papers	Institution
Annamalai, H. and J.M. Slingo	2001	Active/Break Cycles: Diagnosis of the Intraseasonal Variability of the Asian Summer Monsoon	Climate Dynamics	18	85 - 102		UREADMY
Ashrit R.G., H. Douville, K. Rupa Kumar, J.F. Royer, F. Chauvin	2003	Response of the Indian Monsoon and ENSO-monsoon teleconnection to enhanced greenhouse effect in transient simulations of the CNRM coupled model	J. Meteorol. Soc. Japan			submitted	MF
Bader, J., M. Latif, and R. Schnur	2003	The Impact of Decadal-Scale Indian Ocean SST Anomalies on Tropical and Extra-Tropical Climate				in preparation	MPG.IMET
Baquero-Bernal, A., M. Latif, and S. Legutke	2001	On Dipole like Variability of Sea Surface Temperature in the Indian Ocean	Journal of Climate	15	1358-1368		MPG.IMET
Becker, B. D., Slingo, J.M., L. Ferranti, L. and Molteni, F.	2001	Seasonal predictability of the Indian Summer Monsoon: What role do land surface conditions play?	Mausam	52	175-190		UREADMY
Black, E., J. Slingo and K.R. Sperber	2003	An Observational Study of the Relationship between Excessively Strong Short Rains in Coastal East Africa and Indian Ocean SST	Monthly Weather Review	131	74 - 91		UREADMY
Camberlin P. and N. Philippon	2002	The East African March-May rainy season, its teleconnections and predictability over the 1968-1997 period	Journal of Climate	15	1002-1019		UB
Challinor A.J., J.M. Slingo, T.R. Wheeler, P.Q. Craufurd and Grimes D.I.F.	2003	Towards a combined seasonal weather and crop productivity forecasting system: determination of the spatial correlation scale	Journal of Applied Meteorology	42	175-192		UREADAG
Challinor A.J., T.R. Wheeler, P.Q. Craufurd, J.M. Slingo, and D.I.F. Grimes	2003	Design and optimisation of a large-area process-based model for annual crops	Agricultural and Forest Meteorology			submitted	UREADAG

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Challinor A.J., T.R. Wheeler, P.Q. Craufurd, J.M. Slingo, and D.I.F. Grimes	2003	Crop growth modelling for use with large-area input data (published abstract)	Journal of Agricultural Science			in press	UREADAG
Challinor A.J., T.R. Wheeler, P.Q. Craufurd, J.M. Slingo, and D.I.F. Grimes	2002	Towards the development of integrated weather/crop forecasting systems	Journal of Agricultural Science	139	108-109		UREADAG
Cramer W., A. Bondeau, F.I. Woodward, I.C. Prentice, R.A. Betts, V. Brovkin, P.M. Cox, V. Fisher, J.A. Foley, A.D. Friend, C. Kucharik, M.R. Lomas, N. Ramankutty, G. Stitch, B. Smith, A. White and C. Young-Molling	2001	Global response of terrestrial ecosystem structure and function to CO2 and climate change. Results from six dynamic global vegetation models	Global Change Biology	7	357-374		The Met Office
de Rosnay, P. J. Polcher, M. Bruen and K. Laval	2002	Impact of a physically based soil water flow and soil plant interaction representation for modelling large scale land surface processes	Journal of Geophys. Research	D 107	1029		LMD
de Rosnay, P., J. Polcher and K. Laval	2003	A Modelling experiment on the interactions between irrigation and land surface fluxes over Indian Peninsula	Geophysical Research Letters			submitted	LMD
Diedhiou, A., S. Janicot, A. Viltard and P. de Felice	2001	Energetics of easterly wave disturbances over West Africa and the tropical Atlantic : A climatology from the 1979-95 NCEP/NCAR reanalyses	Climate Dynamics	18	487-500		LMD
Diedhiou, A., S. Janicot, A. Viltard and P. de Felice	2001	Composite patterns of easterly disturbances over West Africa and the tropical Atlantic : A climatology from the 1979-95 NCEP/NCAR reanalyses	Climate Dynamics	18	241-253		LMD
Douville H.	2002	Influence of soil moisture on the Asian and African monsoons. Part II: Interannual variability	Journal of Climate	15	701-720		MF

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Douville H.	2002	Assessing the influence of soil moisture on seasonal climate variability with AGCMs	J. Hydrometeorology			submitted	MF
Douville H., F. Chauvin, S. Planton, J.F. Royer, D. Salas y Méliá and S. Tyteca	2002	Sensitivity of the hydrological cycle to increasing amounts of greenhouse gases and aerosols.	Climate Dynamics	20	45-68		MF
Ducharne A., C. Golaz, E. Leblois, K. Laval J. Polcher, E. Ledoux and G. de Marsily	2003	RiTHM, a runoff routine scheme for GCMs	Journal of Hydrology			in press	LMD
Fontaine B. and N. Philippon	2002	The relationship between the Sahelian and previous 2nd Guinean rainy seasons: a monsoon regulation by soil wetness?	Annales Geophysicae	20	575-582		UB
Fontaine B., Philippon, N., Trzaska S. and Roucou P.	2002	Spring to summer changes in the West African monsoon through NCEP/NCAR reanalyses (1968-1998)	Journal of Geophysical Research	107	10.1029-10.1037		UB
Fontaine B., P. Roucou P. and S.Trzaska	2003	Atmospheric water cycle and moisture fluxes in the West African monsoon: mean annual cycles and relationship using NCEP/NCAR reanalyses	Geophysical Research Letters	30	10.1029-10.1032		UB
Fontaine B. and N. Philippon	2000	Seasonal evolution of boundary layer heat content in the West African monsoon from the NCEP/NCAR reanalysis (1968-1998)	International Journal of Climatology	20	1777-1790		UB
Garric G., H. Douville and M. Déqué	2002	Prospects for improved seasonal predictions of monsoon precipitation over the Sahel	International Journal of Climatology	22	331-345		MF
Gissila, T., E. Black, D. Grimes, and J. Slingo	2003	A new seasonal forecasting system for the Ethiopian Summer Rains	International Journal of Climatology			submitted	UREADMY
Hu, Z.-Z., M. Latif, E. Roeckner, and L. Bengtsson	2000	Intensified Asian summer monsoon and its variability in a coupled model forced by increasing greenhouse gas concentrations	Geophys. Res. Letters	27	2681-2684		MPG.IMET
Janicot, S., S. Trzaska and I. Pocard	2001	Summer Sahel-ENSO teleconnection and decadal time scale SST variations	Climate Dynamics	18	303-320		LMD
Janicot, S. and B. Sultan	2001	Intra-seasonal modulation of convection in the West African monsoon	Geophysical Research Letters	28	523-526		LMD

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Lawrence, D.M. and J.M. Slingo	2003	An annual cycle of vegetation in a GCM. Part II: Global impacts on climate and hydrology	Climate Dynamics			submitted	UREADMY
Lawrence, D.M. and J.M. Slingo	2003	An annual cycle of vegetation in a GCM. Part I: Implementation and impact on evaporation	Climate Dynamics			submitted	UREADMY
May W. and E. Roeckner	2001	A time-slice experiment with the ECHAM4 AGCM at high resolution: the impact of horizontal resolution on annual mean climate change	Climate Dynamics	17	407-420		DMI
May W	2003	Mechanisms of the predicted future changes in the Indian summer monsoon due to greenhouse warming	Climate Dynamics			in preparation	DMI
May W	2003	Simulation of the variability and extremes of daily rainfall during the Indian summer monsoon for present and future times in a global time-slice experiment	Climate Dynamics			submitted	DMI
May W.	2002	The Indian summer monsoon and its sensitivity to the means SSTs: Simulations with the ECHAM4 AGCM at T106 horizontal resolution	Journal of the Meteorological Society of Japan	81	57-73		DMI
May W.	2002	Simulated changes of the Indian summer monsoon under enhanced greenhouse gas conditions in a global time-slice experiment	Geophysical Research Letters	29	1029		DMI
Maynard K. and J.F. Royer	2003	Sensitivity of a General Circulation Model to land surface parameters.	Climate Dynamics			submitted	MF
Maynard K., J.F. Royer and F. Chauvin	2002	Impact of greenhouse warming on the West African summer monsoon	Climate Dynamics	19	499-514		MF
Maynard K. and J.F. Royer	2003	The influence of surface roughness on African afforestation experiments	Journal of Climate			submitted	MF
Maynard K. and J.F. Royer	2003	Impact of realistic deforestation on West African monsoon	Climate Dynamics			submitted	MF

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Maynard, K. and J. Polcher	2002	Impact of land-surface processes on the interannual variability of tropical climate in the LMD GCM	Climate Dynamics			accepted	LMD
Meigh, J. and S. Folwell	2003	Combined impacts of climate and land use change on water resources vulnerability in West Africa				in preparation	NERC
Molteni, F., S. Corti, L. Ferranti and J. M. Slingo	2003	Predictability experiments for the Asian Summer Monsoon: Impact of SST anomalies on interannual and intraseasonal variability	Journal of Climate			in press	UREADMY
Molteni F	2003	Atmospheric simulations using a GCM with simplified physical parametrizations. I: model climatology and variability in multi-decadal experiments	Climate Dynamics	20	175-191		ICTP
Neale, R. B. and Slingo, J.M.	2003	The Maritime Continent and its role in the global circulation: A GCM study	Journal of Climate	16	834 - 848		UREADMY
Philippon N., P. Camberlin P., and N. Fauchereau	2002	Empirical Predictability study of October-December East African rainfall	Quarterly Journal of the Royal Meteorological Society	128	2239-2256		UB
Poccard, I., S. Janicot and P. Camberlin	2000	Comparison of rainfall structures between NCEP/NCAR reanalysis and observed data over tropical Africa	Climate Dynamics	16	897-915		LMD
Quadrelli R, V. Pavan and F. Molteni	2001	Wintertime variability of Mediterranean precipitation and its links with large-scale circulation anomalies	Climate Dynamics	17	457-466		ICTP
Rowell, D.P.	2003	The Impact of Mediterranean SSTs on the Sahelian Rainfall Season	Journal of Climate	16	849-862		The Met Office

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Royer J.F., D. Cariolle, F. Chauvin, M. Déqué, H. Douville, R.M. Hu, S. Planton, A. Rascol, J.L. Ricard, D. Salas y Mélia, F. Sevault, P. Simon, S. Somot, S. Tyteca L. Terray and S. Valcke	2002	Simulation des changements climatiques au cours du 21-ème siècle incluant l'ozone stratosphérique (Simulation of climate changes during the 21-st century including stratospheric ozone).	Comptes Rendues de Geoscience	334	147-154		MF
Schnitzler, K.-G., N. Zeng, M. Latif, W. Knorr, and M. Scholze	2003	Impact of vegetation feedback on climate variability in a coupled GCM land-vegetation model				in preparation	MPG.IMET
Slingo, J. M. and H. Annamalai,	2000	1997: The El Nino of the century and the response of the Indian Summer Monsoon	Monthly Weather Review	128	1778-1797		UREADMY
Spencer, H., J.M. Slingo. and M. Davey	2003	The influence of the response by the remote ocean basins on the seasonal predictability of ENSO teleconnections	Climate Dynamics			submitted	UREADMY
Spencer, H. and J.M.Slingo	2003	The simulation of peak and delayed ENSO teleconnections	Journal of Climate			in press	UREADMY
Sperber, K. R., J.M. Slingo, and H. Annamalai	2000	Predictability and the relationship between subseasonal and interannual variability during the Asian Summer Monsoon	Quarterly Journal of the Royal Meteorological Society	126	2545-2574		UREADMY
Sultan, B., S. Janicot and A. Diedhiou	2003	The West African monsoon dynamics. Part I: Documentation of intra-seasonal variability				in press	LMD
Sultan, B. and S. Janicot	2003	The West African monsoon dynamics. Part II: The pre-onset and the onset of the summer monsoon	Journal of Climate			in press	LMD
Sultan, B. and S. Janicot	2000	Abrupt shift of the ITCZ over West Africa and intra-seasonal variability	Geophysical Research Letters	27	3353-3356		LMD
Taylor, C., D. O'Regan, Lambin and Stephenne	2003	Assessing the sensitivity of West African climate to land use change				in preparation	NERC
Taylor, C. M., E. F. Lambin, N. Stephenne, R. J. Harding and R. L. H. Essery	2002	The influence of land use change on climate in the Sahel	Journal of Climate	15	3615-3629		NERC

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Verant S., K. Laval, J. Polcher and M. de Castro	2003	Sensitivity of the continental hydrological cycle to the spatial resolution over the Iberian Peninsula	Journal of Hydrometeorology			in review	LMD