

**Curriculum Vita: DAME JULIA MARY SLINGO (nee Walker) DBE, FRS, DSc,
HonFRSC, HonFInstP**

PRESENT APPOINTMENT:

Chief Scientist, Met Office, Exeter, UK since February 2009

CONTACT DETAILS:

Address: Met Office, Fitzroy Road, Exeter, EX1 3PB

Telephone: 01392 885014, mobile: 07717 356104

Email: julia.slingo@metoffice.gov.uk

DATE AND PLACE OF BIRTH: 13 December 1950, Kenilworth, Warwickshire, England

DEGREES AND EDUCATION:

D.Sc. 2015: Harper Adams University, Wales

D.Sc. 2015: University of South Wales

D.Sc. 2014: Exeter University

D.Sc. 2014: Edinburgh University

D.Sc. 2011: Reading University

D.Sc. 2010: Bristol University

Ph.D. 1989: Bristol University (Atmospheric Physics, by submission of published papers)

B.Sc. 1972: Bristol University (Physics, Upper Second Class)

A-level and S-level studies 1969: King's High School for Girls, Warwick (Grade A in Physics, Mathematics, Further Mathematics, Distinction in S-level Physics)

PREVIOUS APPOINTMENTS¹:

2012 – present: Visiting Professor, University of Exeter

2008 – present: Visiting Professor, University of Reading

2002 – 2008: Director of Climate Research, National Centre for Atmospheric Science

2006 - 2007: Founding Director, Walker Institute for Climate System Research, University of Reading

1990 - 2002: Research Fellow in UK Universities' Global Atmospheric Modelling Programme, based at the NERC Centre for Global Atmospheric Modelling, University of Reading with title of Professor of Meteorology in October 2000.

1989 - 1994: Consultant, Program for Climate Model Diagnosis and Intercomparison, Lawrence Livermore National Laboratory, Livermore, California, U.S.A.

1988 - 1990: Visiting Scientist (maximum half-time), Climate Analysis Section, National Center for Atmospheric Research, Boulder, Colorado, U.S.A.

1987 - 1988: Senior Scientific Officer (half-time), Forecasting Research Branch, Meteorological Office, Bracknell

1986 - 1987: Visiting Scientist (maximum quarter-time), Cloud-Climate Interactions Group, National Center for Atmospheric Research, Boulder, Colorado, U.S.A.

1982 – 1985: Research Scientist (half-time), Physical Applications Group, Research Department, European Centre for Medium Range Weather Forecasts, Shinfield Park, Reading.

1973 - 1980: Scientific Officer (1973-1974), Higher Scientific Officer (1974-1977) and Senior Scientific Officer (1977-1980) in Dynamical Climatology Branch, Meteorological Office, Bracknell.

1972 - 1973: Scientific Officers' Training Course, Meteorological Office College

AWARDS AND OTHER MEASURES OF ESTEEM:

Fellow of the Royal Society, 2015

Honorary Fellow of the Institute of Physics, 2015

Honorary Fellow of the Royal Society of Chemistry, 2015

Dame of the Order of the British Empire (DBE) for Services to Weather and Climate Science, 2014

Officer of the Order of the British Empire (OBE) for Services to Environmental Science, 2008

¹ Note that between 1980 and 1990, I was only able to work at most half-time while I raised a family

IMO Prize of the World Meteorological Organization, 2016
 Named in Science Council's list of the UK's top 100 practising scientists, 2014
 Honorary Degree of Doctor of Science, Harper Adams University, Wales, 2015
 Honorary Degree of Doctor of Science, University of South Wales, 2015
 Honorary Degree of Doctor of Science, Exeter University, 2014
 Honorary Degree of Doctor of Science, Edinburgh University, 2014
 Honorary Degree of Doctor of Science, Reading University, 2011
 Honorary Degree of Doctor of Science, Bristol University, 2010
 Personal entry in 'Who's Who', 2005 onwards.
 Cabot Institute Distinguished Fellow in honour of contribution to climate science, 2015
 President, Royal Meteorological Society, 2008-2010
 Member, Joint Scientific Committee, World Climate Research Programme, 2007 - 2012
 Buchan Prize of the Royal Meteorological Society, 1999
 The Thompson Lecturer, Advanced Study Program, National Centre for Atmospheric Research, 2006
 Leader, Royal Society Delegation to India on Climate Change, 2006

Over 100 Major Invited Lectures and Keynote Talks in the period 1998-2015 including AGU Frontiers Lecture on Advances in Geophysics (2010), John MacLeod Lecture of the Royal Horticultural Society (2012), Burntwood Lecture of the Institution of Environmental Sciences (2013), Morley Distinguished Lecture of Reading University (2014), World Weather Open Science Conference (2014), Darwin Lecture Series (2015).

SELECTED NATIONAL AND INTERNATIONAL COMMITTEES:

2015 onwards	Royal Society Science Policy Advisory Group
2015	Reference Group, Nurse Review of the Research Councils
2009 - present	Member, NERC Council
2012 – present	Member, National Oceanography Centre Advisory Board
2008 - 2010	President of Royal Meteorological Society.
2007 - 2012	Member, Joint Scientific Committee, World Climate Research Programme
2006	Contributing Author, IPCC WG1 Fourth Assessment Report
2006 - 2012:	Member, Scientific Advisory Committee, European Centre for Medium-range Weather Forecasts (ECMWF), Reading
2005 - 2010:	Member, Scientific Advisory Committee, Center for Ocean Land Atmosphere Studies (COLA), University of Maryland, USA
2004 - 2008:	Member, High End Computing Tera-scale Resource (HECToR) Science Board
2004	Member, Evaluation Committee for the Department of Environmental Sciences at ETH Zürich, chaired by Sir John Houghton
2003 - 2005:	Member, NERC Peer Review College
2002 - 2007:	Member, Met Office Scientific Advisory Committee (MOSAC)
2001 - 2008:	Co-Chair and Member, CLIVAR Asian-Australian Monsoon Panel of the World Climate Research Programme
2001 - 2007:	Chair, Advisory Group for Abdus Salam International Centre for Theoretical Physics, 'Physics of Climate and Weather' Group, Trieste
1998 - 2000:	Member, NERC Atmospheric Science and Technology Board

SELECTED EU RESEARCH PROGRAMMES:

2004 - 2006:	Research Theme Leader, EU FP6 Integrated Project: ' <i>Ensemble based predictions of climate change and their impacts (ENSEMBLES)</i> '.
2000 - 2003:	Coordinator, EU FP5 Project: ' <i>Predictability and variability of monsoons, and the agricultural and hydrological impacts of climate change (PROMISE)</i> '.
1996 - 1998:	Coordinator, EU FP4 Project: ' <i>Studies of Hydrology, Influence and Variability of the</i>

Asian Summer Monsoon (SHIVA).**RESEARCH GRANTS AND CONTRACTS: Major strategic awards in bold**

Awarding Organisation	Title	Amount	Dates
NERC	The UK contribution to VAMOS Ocean-Cloud-Atmosphere-Land Study (VOCALS-UK)	£384,252	06/08 – 05/11
Queensland Government	Climate variability and change for Queensland: Understanding and predicting the changing hydrological cycle	£145,000	09/08 – 08/11
NERC	UK-HiGEM/UJCC Extension	£330,951	01/08 – 03/09
NERC	QUEST Theme 3: Global scale impacts of climate change: A multi-sectoral analysis – Reading component (Co-I).	£147,901	09/07 – 08/09
NERC	National Centre for Atmospheric Science Climate Programme 2008 - 2011	£6.6M	04/08 – 03/11
British Council	UK-India Education and Research Initiative (UKIERI): Science of Regional Climate Change, Variability and Impacts	£403,995	04/07 – 03/12
NERC	Turbulence, mixing and biological feedbacks in the ocean mixed layer and their relevance to the coupled ocean-atmosphere system (Co-I)	£425,047	10/06 – 09/09
NERC Consortium	Cascade: Cloud System Resolving Modelling of the Tropical Atmosphere	£3.5M	10/07 – 03/11
Willis Re	Willis Research Network (PI)	£150,000	03/07 – 02/10
NERC	National Centre for Atmospheric Science Climate Programme 2006 - 2008	£4.3M	04/06 – 03/08
Leverhulme Trust	Water, Life and Civilisation (Co-I on Reading University grant - £1.25M)	£276,945	01/05-12/09
EU FP6	Marie Curie Intra-European Fellowship: Exploring the influence of intraseasonal oscillations on the climate variability in the Indo-Pacific sector during boreal summer (ISOCLIV)	92,000 Euros	04/04-03/06
EU FP6	Integrated Project - ENSEMBLES: Ensemble-based predictions of climate changes and their impacts	749,666 Euros	04/04-03/09
NERC	Collaboration with the Earth Simulator Centre, Yokohama, Japan	£0.7M	01/04-12/06
NERC	UK-HiGEM: A national programme in 'Grand Challenge' high resolution modelling of the global environment between NERC and the Hadley Centre	£1.2M	01/04-12/06
NERC	Indian Ocean Variability and its role in the global climate	£168,173	09/02-08/05
Met Office	Tropical variability in atmosphere-only and coupled versions of the Unified Model	£150,000	09/02-08/05
NERC	Centre for Global Atmospheric Modelling	£4.7M	04/02-03/06
NERC	The role of an interactive upper ocean in determining tropical variability on diurnal to intraseasonal timescales	£138,287	09/01-08/04
EU FP5	PRISM: Programme for integrated earth system modelling	189,348 Euros	05/01-04/04
Met Office	Development of a coupled UM atmosphere-OPA ocean model	£66,330	10/00-03/02
EU FP5	ERA-40: A forty-year European re-analysis of the global atmosphere	86,000 Euros	04/00-03/03

EU FP5 Coordinator	PROMISE: Predictability and variability of monsoons, and the agricultural and hydrological impacts of climate change.	422,430 Euros	03/00-02/03
Reading University	Development of combined seasonal weather and crop productivity forecasting systems	£75,000	01/00-12/02
NERC	The interaction of physics and dynamics in the tropical atmosphere	£116,411	04/99-03/02
Met Office	Tropical teleconnections in atmosphere-only and coupled versions of the UM	£200,000	01/99-12/01
Met Office	UGAMP Coordinator for the Unified Model	£203,146	10/98-03/02
EU FP4	SINTEX: Interannual and decadal climate variability Scale Interactions Experiments	224,000 Euros	05/98-04/01
Met Office	Support for the use of the UM by UGAMP	£169,366	12/97-11/00
EU FP4	CLAUS: Cloud Archive User Service	83,000 Euros	04/97-09/99
NERC	The tropical intraseasonal oscillation and its role in seasonal prediction	£116,065	04/97-03/00
EU FP4 Coordinator	SHIVA: Studies of the Hydrology, Influence and Variability of the Asian Summer Monsoon	204,000 Euros	03/96-02/99
Met Office	Support for the use of the UM by UGAMP	£230,072	10/95-09/98
EU FP4	DICE: Decadal and Interdecadal Climate Experiment	78,720 Euros	06/94-05/97
NERC	Tropical variability and its global implications	£147,401	11/93-12/96

PUBLICATIONS: Julia Mary Slingo

Books:

1. Turner, A. G., K. R. Sperber, **J. M. Slingo**, G. Meehl, C. R. Mechoso, M. Kimoto and A. Giannini, 2009: Modelling Monsoons: Understanding and Predicting Current and Future Behaviour. In: The Global Monsoon System: Research and Forecast, 2nd edition, C.-P. Chang (ed). World Scientific/WMO.
2. Wheeler, T. R., A. J. Challinor, T. M. Osborne and **J. M. Slingo**, 2007: Development of a combined crop and climate forecasting system for seasonal to decadal predictions. In Climate Prediction and Agriculture: Advances and Challenges (Eds, Sivakumar M.V.K. and Hansen J.). Springer, Berlin, p. 31-39.
3. Challinor, A. J., T. R. Wheeler, T. M. Osborne and **J. M. Slingo**, 2005: Assessing the vulnerability of crop productivity to climate change thresholds using an integrated crop-climate model. Book chapter in: *Avoiding Dangerous Climate Change*. Yohe, G. et al (Eds) Cambridge University Press.
4. **Slingo, J. M.**, P. M. Inness and K. R. Sperber, 2005: Modelling the MJO. Chapter in '*Intraseasonal variability of the atmosphere-ocean climate system*'. Editors W. K-M. Lau and D. E. Waliser, Springer/Praxis Book Company, pp. 361-383.
5. Lengaigne, M. E., J-P. Boulanger, P. Delecluse, C. Menkes, E. Guilyardi and **J. M. Slingo**, 2004: Westerly wind events in the Tropical Pacific and their influence on the coupled ocean-atmosphere system: A review. Chapter in AGU Geophysical Monograph on '*Earth Climate: The Ocean-atmosphere interaction*', pp. 49 –70.
6. **Slingo, J. M.**, 2002: Monsoon Overview. Contribution to 'Encyclopedia of Atmospheric Sciences', Academic Press, pp. 1365-1370.
7. **Slingo, J. M.**, 1999: The Indian Summer Monsoon and its Variability. Chapter in '*Beyond El Nino: Decadal Variability in the Climate System*' Published by Springer. Edited by Antonio Navarra. 103-118.

Papers:

1. Lei, Y., B. J. Hoskins and **J. M. Slingo**, 2013: Natural variability of summer rainfall over China in HadCM3. *Climate Dynamics*, DOI 10.1007/s00382-013-1726-8.

2. Barnes, E. A., **J. M. Slingo** and T. J. Woollings, 2012: A methodology for the comparison of blocking climatologies across indices, models and climate scenarios. *Climate Dynamics*, **38**, 2467-2481.
3. **Slingo, J. M.** and T. N. Palmer, 2011: Uncertainty in weather and climate prediction. *Phil. Trans. R. Soc.* **369**, 4751-4767.
4. Lei, Y., B. J. Hoskins and **J. M. Slingo**, 2011: Exploring the interplay between natural decadal variability and anthropogenic climate change in Chinese summer rainfall. Part 1: Observational evidence. *J. Climate*, **24**, 4584-4599.
5. Yang, G-Y., B. J. Hoskins, **J. M. Slingo**, 2011: Equatorial Waves in Opposite QBO Phases. *J. Atmos. Sci.*, **68**, 839–862. doi: 10.1175/2010JAS3514.1
6. Klingaman, N. P., S. J. Woolnough, H. Weller and **J. M. Slingo**, 2011: The impact of finer-resolution air-sea coupling on the intra-seasonal oscillation of the Indian monsoon. *J. Climate*, **24**, 2451-2468.
7. Turner, A. G. and **J. M. Slingo**, 2010: Using idealized snow forcing to test teleconnections with the Indian summer monsoon in the Hadley Centre GCM. *Climate Dynamics*, [doi:10.1007/s00382-010-0805-3]
8. Shukla, J., T. N. Palmer, R. Hagedorn, B. J. Hoskins, J. Kinter, J. Marotzke, M. Miller and **J. M. Slingo**, 2010: Towards a new generation of World climate research and computing facilities. **Bull. Amer. Met. Soc.**, *October issue*.
9. Toniazzo, T., R. Mechoso, L. C. Shaffrey and **J. M. Slingo**, 2010: Ocean surface heat budget and ocean eddy transport in the South-East Pacific in a high resolution coupled model. *Climate Dynamics*, [doi: 10.1007/s00382-009-0703-8].
10. Osborne, T. M., **J. M. Slingo**, D. Lawrence and T. R. Wheeler, 2009: Examining the influence of growing crops on climate using a coupled crop-climate model. *J. Clim.*, **22**, 1393-1411. [doi:10.1175/2008JCLI2494.1].
11. Turner, A. G. and **J. M. Slingo**, 2009: Subseasonal extremes of precipitation and active-break cycles of the Indian summer monsoon in a climate change scenario. *Q. J. R. Met. S.*, **135**, 640, 549-567. [doi:10.1002/qj.401].
12. Turner, A. G. and **J. M. Slingo**, 2009: Uncertainties in future projections of extreme precipitation in the Indian monsoon region. *Atmospheric Science Letters*, **10**, 3, 152-168. [doi:10.1002/asl.223].
13. Lloyd, J., E. Guilyardi, H. Weller and **J. M. Slingo**, 2009: The role of atmosphere feedbacks during ENSO in the CMIP3 models. *Atmos. Sci. Let.*, **DOI**: 10.1002/asl.227
14. Yang, G-Y., **J. M. Slingo** and B. J. Hoskins, 2009: Convectively coupled equatorial waves in high resolution Hadley centre climate models. *J. Climate*, **22**, 1897-1919.
15. Shukla, J., R. Hagedorn, B. Hoskins, J. Kinter, J. Marotzke, M. Miller, T. N. Palmer, and **J. M. Slingo**, 2009: Strategies: Revolution in Climate Prediction is Both Necessary and Possible: A Declaration at the World Modelling Summit for Climate Prediction. *Bulletin of the American Meteorological Society*, **90**, 175–178.
16. Roberts, M. J., A. Clayton, M.-E. Demory, J. Donners, P. L. Vidale, W. Norton, L. Shaffrey, I. Stevens, R. A. Wood and **J. M. Slingo**, 2009: Impact of resolution on the tropical Pacific circulation in a matrix of coupled models. *J. Climate*, **22**, 2541-2556
17. Turner, A. G. and **J. M. Slingo**, 2008: Subseasonal extremes of precipitation and active-break cycles of the Indian summer monsoon in a climate change scenario. *Q. J. R. Met. S.*, **135**, 549-567.
18. Osborne, T. M., **J. M. Slingo**, D. Lawrence and T. R. Wheeler, 2009: Examining the influence of growing crops on climate using a coupled crop-climate model. *J. Climate*, **22**, 1393-1411.
19. **Slingo, J. M.**, K. R. Bates, N. Nikiforakis, M. Piggott, M. J. Roberts, L. C. Shaffrey, I. Stevens, P. L. Vidale and H. Weller, 2009: Developing the next generation climate system models: Challenges and Achievements. *Phil. Trans. Roy. Soc. A*, **367**, 1890, 815-831.
20. Lloyd, J., E. Guilyardi, H. Weller and **J.M. Slingo**, 2009: The role of atmospheric feedbacks during ENSO in the CMIP3 models. *Atmospheric Science Letters*, **10** [doi:10.1002/asl.223].
21. Turner, A. G. and **J. M. Slingo**, 2009: Uncertainties in future projections of extreme precipitation in the Indian monsoon region. *Atmospheric Science Letters*, **10** [doi:10.1002/asl.223].
22. Shaffrey, L., I. Stevens, W. Norton, M. Roberts, P. L. Vidale, J. Harle, A. Jrrar, D. Stevens, M. Woodage, M-E. Demory, J. Donners, D. Clark, A. Clayton, J. Cole, S. Wilson, W. Connolley, T. Davies, A. Iwi, T. Johns, J. King, A. New, **J. M. Slingo**, A. Slingo, L. Steenman-Clark and G. Martin, 2008: UK-HiGEM: The new UK High Resolution Global Environment Model. Model description and basic evaluation. *J. Climate*, **22**, 1861-1896.

23. Klingaman, N. P., P. M. Inness, **J. M. Slingo** and H. Weller, 2008: The importance of high frequency sea-surface temperature variability to the intraseasonal oscillation of Indian monsoon rainfall. *J. Clim.*, **21**, 6119-6140.
24. Klingaman, N. P., H. Weller, **J. M. Slingo** and P. M. Inness, 2008: The intraseasonal variability of the Indian Summer Monsoon using TMI Sea Surface Temperatures and ECMWF Reanalysis. *J. Clim.*, **21**, 2519-2539.
25. Bernie, D. J., E. Guilyardi, S. J. Woolnough, **J. M. Slingo**, G. Madec and J. Cole, 2008: Impact of resolving the diurnal cycle in an ocean-atmosphere GCM. Part 2: A diurnally coupled CGCM. *Climate Dynamics*, **31**, 909-925.
26. Bernie, D. J., E. Guilyardi, G. Madec, S. J. Woolnough, **J. M. Slingo**, 2007: Impact of resolving the diurnal cycle in an ocean-atmosphere GCM. Part 1: Diurnally forced OGCM. *Climate Dynamics*, **29**, 575-590. [dOI: 10.1007/s00382-007-0249-9]
27. Turner, A. G., P. M. Inness and **J. M. Slingo**, 2007: The effect of doubled CO2 and model basic state biases on the monsoon-ENSO system. I: Mean response and interannual variability. II: Changing ENSO regimes. *Q. J. R. Met. S.*, **133**, 1143-1173.
28. Spencer H., R. Sutton and **J. M. Slingo**, 2007: El Nino is a coupled climate model: Sensitivity to changes in mean state induced by heat flux and wind stress correction. *J. Clim.*, **20**, 2273 - 2298
29. Yang, G.-Y., B.J. Hoskins and **J.M. Slingo**, 2007: Convectively coupled equatorial waves. Part I: Horizontal and vertical structures. Part II: Propagation characteristics. Part III: Synthesis structures and their forcing and evolution. *J. Atmos. Sci.*, **64**, 3406-3451.
30. Mitchell, J. F. B., **J. M. Slingo**, D. S. Lee, J. Lowe and V. Pope, 2007: Climate Change: Response to Carter et al.. *World Economics*, **8**, 221-228.
31. Osborne, T. M., D. M. Lawrence, A. J. Challinor, **J. M. Slingo** and T. R. Wheeler, 2007: Development and assessment of a coupled crop-climate model. *Global Change Biology*, **13**, 169-183. [doi:10.1111/j.1365-2486.2006.01274.x]
32. Saith, N. and **J. M. Slingo**, 2006: The role of the MJO in the Indian drought of 2002. *International Journal of Climatology*, **26**, 1317-1323.
33. Inness, P. M. and **J. M. Slingo**, 2006: The interaction of the Madden-Julian Oscillation with the Maritime Continent in a GCM. *Q. J. R. Meteorol. Soc.*, **132**, 1645-1667.
34. Ringer, M.A., G.M. Martin, C.Z. Greeves, T.J. Hinton, P.M. James, V.D. Pope, A.A. Scaife, R.A. Stratton, P.M. Inness, **J.M. Slingo** and G.-Y. Yang, 2006. The physical properties of the atmosphere in the new Hadley Centre Global Environmental Model (HadGEM1). Part II: Aspects of variability and regional climate. *J. Climate*, **19**, 1302-1326.
35. Krishnan, R., K. V. Ramesh, B. K. Samala, G Meyers, **J. M. Slingo**, and M. J. Fennessy, 2006: Indian Ocean-monsoon coupled interactions and impending monsoon droughts. **Geophys. Res. Lett.**, **33**, L08711, doi:10.1029/2006GL025811
36. Challinor, A. J., T. R. Wheeler, P. Q. Craufurd and **J. M. Slingo**, 2006: Simulation of the impact of high temperature stress on annual crop yields. *Agricultural and Forest Meteorology*, **134**, 1 [doi:10.1016/j.agrformet.2005.11.015].
37. **Slingo, J. M.**, A. J. Challinor, T. R. Wheeler and B. J. Hoskins, 2005: Food crops in a changing climate. *Phil. Trans. R. Soc. B*, **360**, 1983-1990
38. Challinor, A. J., T. R. Wheeler, **J. M. Slingo** and D. Hemming, 2005: Quantification of physical and biological uncertainty in the simulation of the yield of a tropical crop using present day and doubled CO2 climates. *Phil. Trans. R. Soc. B*, **360**, 2085-2094
39. Lawrence, D. M. and **J. M. Slingo**, 2005: Weak land-atmosphere coupling strength in HadAM3: The role of soil moisture variability. *J. Hydrometeorology*, **6**, 670-680.
40. Spencer, H., R. T. Sutton, **J. M. Slingo**, M. Roberts and E. Black, 2005: Indian Ocean climate and dipole variability in Hadley Centre coupled GCMs. *J. Clim.*, **18**, 2286-2307
41. Turner, A. G., P. M. Inness and **J. M. Slingo**, 2005: The Role of the Basic State in in the ENSO-Monsoon relationship and implications for predictability. *Q. J. R. Meteorol. Soc.*, **131**, 781-804
42. Bernie, D., S. J. Woolnough, **J. M. Slingo** and E. Guilyardi, 2005: Modelling diurnal and intraseasonal variability of the ocean mixed layer. *J. Clim.*, **15**, 1190-1202.
43. Challinor, A. J., T. R. Wheeler, **J. M. Slingo**, P. Q. Craufurd and D. I. F. Grimes, 2005: Simulation of crop yields using the ERA40 reanalysis: Modelling uncertainties and non-stationarity in weather-yield relationships. *J. Appl. Meteorol.*, **44**, 516-531.

44. Challinor, A. J., **J. M. Slingo**, T. R. Wheeler and F. J. Doblas-Reyes, 2005: Probabilistic hindcasts of crop yield over western India. *Tellus A*, **57A**, 498-512.
45. Guilyardi E., S. Gualdi, **J. M. Slingo**, A. Navarra, P. Delecluse, J. Cole, G. Madec, M. Roberts, M. Latif, and L. Terray, 2004: Representing El Niño in coupled ocean-atmosphere GCMs: the dominant role of the atmosphere. *J. Clim.*, **17**, 4623-4629.
46. Lengaigne, M. E., E. Guilyardi, J-P. Boulanger, C. Menkes, P. M. Inness, P. Delecluse, J. Cole and **J. M. Slingo**, 2004: Triggering of El Nino by westerly wind events in a coupled general circulation model. *Climate Dynamics*, **23**, 6 [doi:10.1007/s00382-004-0457-2].
47. **Slingo, J. M.**, H. Spencer, B. J. Hoskins, P. Berrisford and E. Black, 2004: The meteorology of the western Indian Ocean, and the influence of the East African Highlands. *Phil. Trans. Roy. Soc.*, **363**, 25-42.
48. Woolnough, S. J., **J. M. Slingo** and B. J. Hoskins, 2004: Diurnal cycle of convection and atmospheric tides in an aquaplanet GCM. *J. Atmos. Sci.*, **61**, 2559-2573.
49. Gissila, T., E. Black, D. F. I. Grimes and **J. M. Slingo**, 2004: A new seasonal forecasting system for the Ethiopian summer rains. *Int. J. Climatol.*, **24**, 1345-1358
50. Challinor, A. J., T. R. Wheeler, **J. M. Slingo**, P. Q. Craufurd and D. I. F. Grimes, 2004: Design and optimization of a large-area process-based model for annual crops. *Agricultural and Forest Meteorology*, **124**, 99-120.
51. Osborne, T. M., D. M. Lawrence, **J. M. Slingo**, A. J. Challinor and T. R. Wheeler, 2004: Influence of vegetation on the local climate and hydrology in the Tropics: Sensitivity to soil parameters. *Climate Dynamics*, **23**, 45-61
52. 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*, **22**, 87-105
53. 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*, **22**, 107-122
54. Lengaigne, M., J-P. Boulanger, C. Menkes, G. Madec, P. Delecluse, E. Guilyardi and **J. Slingo**, 2003: March 1997 Westerly Wind Event and the onset of the 1997/98 El Nino: Understanding the role of the atmospheric response. *J. Clim.*, **16**, 3330-3343
55. Yang, G-Y., B. J. Hoskins and **J. M. Slingo**, 2003: Convectively coupled equatorial waves: A new methodology for identifying wave structures in observational data. *J. Atmos. Sci.*, **60**, 1637-1654
56. Spencer, H., **J. M. Slingo** and M. K. Davey, 2004: Seasonal predictability of ENSO teleconnections: The role of the remote ocean response. *Climate Dynamics*, **22**, 511-526.
57. Spencer, H., **J. M. Slingo** and M. K. Davey, 2003: The simulation of peak and delayed ENSO teleconnections by an atmospheric GCM. *J. Clim.*, **16**, 1757-1774
58. 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. *J. Clim.*, **16**, 4001-4021
59. Inness P. M. and **J. M. Slingo**, 2003: Simulation of the MJO in a coupled GCM. I: Comparison with observations and an atmosphere-only GCM. *J. Clim.*, **16**, 345-364.
60. Inness P. M., **J. M. Slingo**, E. Guilyardi and J. Cole 2003: Simulation of the MJO in a coupled GCM. II: The role of the basic state. *J. Clim.*, **16**, 365-382.
61. Black, E., **J. M. 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. *Mon. Weath. Rev.*, **131**, 74-94.
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