

Professor Mike Hulme

Master Publications List, September 2016, Total n = 500

Scopus H=Index = 51 (total cites 11,863)
Google Scholar H=Index = 74 (total cites 30,821)

Sections

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Peer-reviewed Journal Papers

- J152** Turnhout,E., Dewulf,A. and Hulme,M. (2016) What does policy-relevant global environmental knowledge do? The cases of climate and biodiversity **Current Opinions in Environmental Sustainability** 18, 65-72
- J151** Mahony,M. and Hulme,M. (2016) Modelling and the nation: institutionalizing climate prediction in the UK, 1988-92 **Minerva** 10.1007/s11024-016-9302-0
- J150** Hulme,M. (2016) 1.5°C and climate research after the Paris Agreement **Nature Climate Change** 6(3), 222-224
- J149** Hulme,M. (2015) (Still) Disagreeing about climate change: which way forward? **Zygon: A Journal of Religion and Science** 50(4), 893-905

- J148** Hulme,M. (2015) Changing what exactly, and from where? A response to Castree **Dialogues in Human Geography** 5(3), 322-326
- J147** Hulme,M. (2015) Climate and its changes: a cultural appraisal **GEO: Geography and Environment** 2(1), 1-11
- J146** Sillmann,J., Lenton,T., Levermann,A., Ott,K., Hulme,M., Benduhn,F. and Horton,J.B. (2015) Climate emergency – no argument for climate engineering **Nature Climate Change** 5(4), 290-292
- J145** Borie,M. and Hulme,M. (2015) Framing global biodiversity: IPBES between Mother Earth and ecosystem services **Environmental Science & Policy** 54, 487-496
- J144** Lövbrand,E., Beck,S., Chilvers,J., Forsyth,T., Hedren,J., Hulme,M., Lidskog,R. and Vasileiadou,E. (2015) The ontological politics of the Anthropocene: a critical research agenda for the social sciences **Global Environmental Change** 32, 211-218
- J143** Hulme,M. (2015) Climate **Environmental Humanities** 6, 175-178
- J142** Hulme,M. (2015) Better weather? The cultivation of the sky **Cultural Anthropology** 30(2), 236-244
- J141** Hulme,M. (2014) Attributing weather extremes to ‘climate change’: A review **Progress in Physical Geography** 38(4), 499-511
- J140** Hulme,M. (2014) Climate change and virtue: an apologetic **Humanities** 3(3), 299-312
- J139** Beck,S., Hulme,M. ... and 14 co-authors (2014) Towards a reflexive turn in the governance of global environmental expertise. The cases of the IPCC and the IPBES **GAiA** 23/2, 80–87
- J138** Porter,K.E. and Hulme,M. (2013) The emergence of the geoengineering debate in the British print media: a frame analysis **Geographical Journal** 179(4), 342-355
- J137** Turnhout,E., Bloomfield,R., Hulme,M., Wynne,B. and Vogel,J. (2012) Listen to the voices of experience **Nature** 488, 454-455
- J136** Sutherland,W.J., Bellingan,L., ... , Hulme,M., ... and 49 others (2012) A collaboratively-derived science-policy research agenda **PLoS ONE** 7(3): e31824. doi:10.1371/journal.pone.0031824, 5pp.
- J135** Mahony,M. and Hulme,M. (2012) The colour of risk: an exploration of the IPCC’s ‘burning embers’ diagram **Spontaneous Generation: A Journal for the History and Philosophy of Science** 6(1), 75-89
- J134** Lake,I.R., Hooper,L., Abdelhamid,A., Bentham,G., Boxall,A., Draper,A., Fairweather-Tait,S. Hulme,M., Hunter,P.R., Nichols,G. and Waldron,K. (2012) Climate change and food security: health impacts in developed countries **Environmental Health Perspectives** 120(11), 1520-1526
- J133** Hulme,M. (2012) Climate change: Climate engineering through stratospheric aerosol injection **Progress in Physical Geography** 36(5), 694-705
- J132** Hulme,M. (2012) ‘Telling a different tale’: literary, historical and meteorological reading of a Norfolk heatwave **Climatic Change** 113(1), 5-21
- J131** Hastrup,K., Schaffer,S., Kennel,C.F., Sneath,D., Bravo,M., Diemberger,H., Graf,H-F., Hobbs,J., Davs,J., Nodari,L., Vassena,G., Irvine,R., Evans,C., Strathern,M., Hulme,M., Kaser,G. and Bodenhorn,B. (2012) Communicating climate knowledge: proxies, processes, politics **Current Anthropology** 53(2), 226-244

- J130** Mahony,M. and Hulme,M. (2012) Model migrations: mobility and boundary crossings in regional climate prediction **Transactions of the Institute of British Geographers** 37(2), 197-211
- J129** Hulme,M., O’Neill,S.J. and Dessai,S. (2011) Is weather event attribution necessary for adaptation funding? **Science** 334, 764-765
- J128** Hulme,M. (2011) Meet the humanities **Nature Climate Change** 1(4), 177-179
- J127** Hulme,M. (2011) Reducing the future to climate: a story of climate determinism and reductionism **Osiris** 26 (1), 245-266
- J126** Bellamy,R. and Hulme,M. (2011) Beyond the tipping point: understanding perceptions of abrupt climate change and their implications **Weather, Climate and Society** 3(1), 48-60
- J125** Jennings,N. and Hulme,M. (2010) UK newspaper (mis-)representations of the potential for a collapse of the thermohaline circulation **Area** 42(4), 444-456
- J124** O’Neill,S.J., Hulme,M., Turnpenny,J. and Screen,J.A. (2010) Disciplines, geography and gender in the framing of climate change **Bulletin of the American Meteorological Society** 91(8), 997-1002
- J123** Hulme,M. (2010) The idea of climate change: exploring complexity, plurality and opportunity **Gaia** 19(3), 171-174
- J122** Hulme,M. (2010) Problems with making and governing global kinds of knowledge **Global Environmental Change** 20(4), 558-564
- J121** Hulme,M. (2010) Learning to live with re-created climates **Nature and Culture** 5(2), 117-122
- J120** Hulme,M. (2010) Cosmopolitan climates: hybridity, foresight and meaning **Theory, Culture and Society** 27(2/3), 267-276
- J119** Hulme,M. (2010) Moving beyond climate change **Environment** 52(3), May/June, 15-19
- J118** Hulme,M. (2010) Claiming and adjudicating on Kilimanjaro’s shrinking glaciers: Guy Callendar, Al Gore and extended peer communities **Science as Culture** 19(3), 303-326
- J116** O’Neill,S.J. and Hulme,M. (2009) An iconic approach for representing climate change **Global Environmental Change** 19(4), 402-410
- J115** Lorenzoni,I. and Hulme,M. (2009) Believing is seeing: laypeople’s views of future socio-economic and climate change through scenarios in England and Italy **Public Understanding of Science** 18, 383-400
- J114** Girod,B., Wiek,A., Mieg,H. and Hulme,M. (2009) The evolution of the IPCC’s emission scenarios – changes, causes and critical aspects **Environmental Science and Policy** 12(2), 103-118
doi:10.1016/j.envsci.2008.12.006
- J113** Hulme,M., Dessai,S., Lorenzoni,I. and Nelson,D. (2009) Unstable climates: exploring the statistical and social constructions of ‘normal’ climate **Geoforum** 40(2), 197-206
doi:10.1016/j.geoforum.2008.09.010
- J112** Adger,W.N., Dessai,S., Goulden,M., Hulme,M., Lorenzoni,I., Nelson,D., Otto-Naess,L., Wolf,J. and Wreford,A. (2009) Are there social limits to adaptation to climate change? **Climatic Change** 93, 335-354 doi 10.1007/s10584-008-9520-z

- J111** Hulme,M. and Dessai,S. (2008) Predicting, deciding, learning: can we evaluate the ‘success’ of national climate scenarios? **Environmental Research Letters** 3(4), 045013, 7pp.
doi:10.1088/1748-9326/3/4/045013
- J110** Dessai,M. and Hulme,M. (2008) How do UK climate scenarios compare with recent observations? **Atmospheric Science Letters** doi:10.1002/asl.197
- J109** O’Neill,S., Osborn,T.J., Hulme,M., Lorenzoni,I. and Watkinson,A.R. (2008) Using expert knowledge to assess uncertainties in future polar bear populations under climate change **The Journal of Applied Ecology** 45(6), 1649-1659
- J108** Hulme,M. (2008) Governing and adapting to climate. A response to Ian Bailey’s commentary on “Geographical work at the boundaries of climate change” **Transactions of the Institute of British Geographers** 33(3), 424-427
- J107** Hulme,M. (2008) The conquering of climate: discourses of fear and their dissolution **The Geographical Journal** 174(1), 5-16
- J106** Hulme,M. and Dessai,S. (2008) Negotiating future climates: a critical review of the development of climate scenarios for the UK **Environmental Science and Policy** 11(1), 54-70
- J105** Hulme,M. (2008) Geographical work at the boundaries of climate change **Transactions of the Institute of British Geographers** 33(1), 5-11.
- J104** Dessai,M., O’Brien,K. and Hulme,M. (2007) On uncertainty and climate change **Global Environmental Change** 17(1), 1-3
- J103** Dessai,M. and Hulme,M. (2007) Assessing the robustness of adaptation decisions to climate change uncertainties: a case-study on water resources management in the East of England **Global Environmental Change** 17(1), 59-72.
- J102** Dessai,S., Lu,X. and Hulme,M. (2005) Limited sensitivity analysis of regional climate change probabilities for the 21st century **J. Geophys. Res.**, 110, D19108, doi:10.1029/2005JD005919
- J101** Adger,W.N., Brown,K. and Hulme,M. (2005) Re-defining global environmental change **Global Environmental Change**, 15, 1-4.
- J100** Dessai,S. and Hulme,M. (2004) Does climate adaptation policy need probabilities? **Climate Policy** 4, 107-128
- J99** Watkinson,A.R., Gill,J.A. and Hulme,M. (2004) Flying in the face of climate change: a review of climate change, past, present and future **Ibis**, 146 (Suppl. 1), 4-10
- J98** Dai,A., Lamb,P.J., Trenberth,K.E., Hulme,M., Jones,P.D. and Xie,P. (2004) The recent Sahel drought is real **Int. J. Climatol.**, 24, 1323-1331
- J97** Hulme,M. and Turnpenny,J. (2004) Understanding and managing climate change: the UK experience **The Geographical Journal** 170, 115-125
- J96** Dessai,S., Adger,N.W., Hulme,M., Köhler,J., Turnpenny,J. and Warren,R. (2004) Defining and experiencing dangerous climate change **Climatic Change** 64, 11-25
- J95** Goodess,C.G., Hanson,C., Hulme,M. and Osborn,T.J. (2004) Representing climate and extreme weather events in integrated assessment models: a review of existing methods and options for development **Integrated Assessment** 3, 145-171

- J94** Hulme, M. (2003) Abrupt climate change: can society cope? **Phil. Trans. Royal Society London (A)**, 361, 2001-2021.
- J93** Adger, W.N., Huq, S., Brown, K., Conway, D. and Hulme, M. (2003) Adaptation to climate change in the developing world **Progress in Development Studies**, 3, 179-195.
- J92** Turnpenny, J.R., Crossley, J.F., Hulme, M. and Osborn, T.J. (2002) Air flow influences on local climate: comparison of a regional climate model with observations over the United Kingdom. **Climate Research**, 20, 189-202.
- J91** Patz, J.A., Hulme, M., Rosenzweig, C., Mitchell, T.D., Goldberg, R.A., Githeko, A.K., Lele, S., McMichael, A.J. and Le Sueur, D. (2002) Regional warming and malaria resurgence **Nature** 420, 627-628.
- J90** Osborn, T.J. and Hulme, M. (2002) Evidence for trends in heavy rainfall events over the UK **Phil. Transactions of the Royal Society (A)**, 360, 1313-1325.
- J89** New, M., Lister, D., Hulme, M. and Makin, I. (2002) A high-resolution data set of surface climate over global land areas **Climate Research** 21, 1-25
- J88** Mitchell, T.D., Hulme, M. and New, M. (2002) Climate data for political areas **Area**, 34, 109-112.
- J87** Mitchell, T.D. and Hulme, M. (2002) Length of the growing season **Weather**, 57, 196-198.
- J86** Lu, X., Crossley, J. and Hulme, M. (2002) An exploration of regional climate change scenarios for Scotland **Scottish Geographical Journal**, 117, 251-270.
- J85** Doherty, R.M. and Hulme, M. (2002) The relationship between the SOI and extended tropical precipitation in simulations of future climate change **Geophys. Res. Letts.** 29(10), 113-1,4.
- J84** Arnell, N.W., Cannell, M.G.R., Hulme, M., Kovats, R.S., Mitchell, J.F.B., Nicholls, R.J., Parry, M.L., Livermore, M.T.J. and White, A. (2002) The consequences of CO₂ stabilisation for the impacts of climate change **Climatic Change** 53, 413-446.
- J83** New, M., Todd, M., Hulme, M. and Jones, P.D. (2001) Precipitation measurements and trends in the twentieth century **Int. J. Climatol.**, 21, 1899-1922.
- J82** Hulme, M., Doherty, R.M., Ngara, T., New, M.G. and Lister, D. (2001) African climate change: 1900-2100 **Climate Research** 17, 145-168.
- J81** Hulme, M. (2001) Manabe, S. and Wetherald, R.T. 1975: The effects of doubling the CO₂ concentration on the climate of a general circulation model *Journal of the Atmospheric Sciences*, 32, 3-15. Classics in physical geography revisited **Prog. in Phys. Geog.**, 25, 385-387.
- J80** Hulme, M. (2001) Climatic perspectives on Sahelian desiccation: 1973-1998 **Global Environmental Change** 11, 19-29.
- J79** Horton, E.B., Parker, D.E., Folland, C.K., Jones, P.D. and Hulme, M. (2001) The effect of increasing the mean on the percentage of extreme values in Gaussian and skew distributions. Response to X. Zhang *et al.* **Climatic Change**, 50, 509-510.
- J78** Dessai, S. and Hulme, M. (2001) Climatic implications of revised IPCC emissions scenarios, the Kyoto Protocol and quantification of uncertainties **Integrated Assessment**, 2, 159-170.
- J77** Subak, S., Palutikof, J.P., Agnew, M.D., Watson, S.J., Bentham, C.G., Cannell, M.G.R., Hulme, M., McNally, S., Thornes, J.E., Waughray, D. and Woods, J.C. (2000) The impact of the anomalous weather of 1995 on the UK economy **Climatic Change** 44, 1-26.

- J76** Osborn,T.J., Hulme,M., Jones,P.D. and Basnett,T. (2000) Observed trends in the daily intensity of United Kingdom precipitation **Int. J.Climatol.**, 20, 347-364.
- J75** New,M.G. and Hulme,M. (2000) Representing uncertainties in climate change scenarios: a Monte Carlo approach **Integrated Assessment**, 1, 203-213.
- J74** New,M., Hulme,M. and Jones,P.D. (2000) Representing twentieth century space-time climate variability. Part 2: development of 1901-96 monthly grids of terrestrial surface climate **J.Climate**, 13, 2217-2238.
- J73** Lorenzoni,I., Jordan,A., Hulme,M., Turner,R.K. and O'Riordan,T. (2000) A co-evolutionary approach to climate change impact assessment (II): a scenario-based case study in the UK **Global Environmental Change**, 10, 145-155.
- J72** Lorenzoni,I., Jordan,A., Hulme,M., Turner,R.K. and O'Riordan,T. (2000) A co-evolutionary approach to climate change impact assessment: part I - integrating socio-economic and climate change scenarios **Global Environmental Change**, 10, 57-68.
- J71** Parry,M.L., Arnell,N.W., Hulme,M., Martens,P., Nicholls,R.J. and White,A. (1999) The global impact of climate change: a new assessment **Global Environmental Change**, 9, S1-S2.
- J70** Osborn,T.J., Conway,D., Hulme,M., Gregory,J.M. and Jones,P.D. (1999) Air flow influences on local climate: observed and simulated mean relationships for the UK **Climate Research** 13, 171-191.
- J69** New,M., Hulme,M. and Jones,P.D. (1999) Representing twentieth century space-time climate variability. Part 1: development of a 1961-90 mean monthly terrestrial climatology **J.Climate**, 12, 829-856.
- J68** Mitchell,T. and Hulme,M. (1999) Predicting regional climate change: living with uncertainty **Prog. in Phys. Geogr.** , 23, 57-78.
- J67** Jones,P.D., Horton,E.B., Folland,C.K., Hulme,M., Parker,D.E. and Basnett,T.A. (1999) The use of indices to identify changes in climatic extremes **Climatic Change**, 42, 131-149.
- J66** Hulme,M., Mitchell,J.F.B., Ingram,W., Johns,T.C., Lowe,J.A., New,M.G. and Viner,D. (1999) Climate change scenarios for global impacts studies **Global Environmental Change**, 9, S3-S19.
- J65** Hulme,M., Harrison,P.A. and Arnell,N.W. (1999) Climate variability and crop yields in Europe: reply to Porter,J.R. and Semenov,M.A., **Nature**, 400, 724.
- J64** Hulme,M., Barrow,E.M., Arnell,N., Harrison,P.A., T.E.Downing and T.C.Johns (1999) Relative impacts of human-induced climate change and natural climate variability **Nature**, 397, 688-691.
- J63** Doherty,R.M., Hulme,M. and Jones,C.G. (1999) A gridded reconstruction of land and ocean precipitation for the extended Tropics from 1974-1994 **Int. J. Climatol.**, 19, 119-142.
- J62** Parry,M.L., Arnell,N.W., Hulme,M., Nicholls,R.J. and Livermore,M. (1998) Buenos Aires and Kyoto targets do little to reduce climate impacts **Global Env. Change** 8, 285-289.
- J61** Parry,M.L., Arnell,N., Hulme,M., Nicholls,R.J. and Livermore,M. (1998) Adapting to the inevitable **Nature**, 395, 741.
- J60** Osborn,T.J. and Hulme,M. (1998) Evaluation of the daily precipitation characteristics of AMIP atmospheric model simulations over Europe **Int. J. Climatol.**, 18, 505-522.
- J59** Hulme,M., Osborn,T.J. and T.C.Johns (1998) Precipitation sensitivity to global warming: Comparison of observations with HadCM2 simulations **Geophys. Res. Letts.**, 25, 3379-3382.
- J58** Hulme,M. and Viner,D. (1998) A climate change scenario for the Tropics **Climatic Change**, 39, 145-

176.

- J57** Hulme,M. and Brown,O. (1998) Portraying climate scenario uncertainties in relation to tolerable regional climate change **Climate Research**, 10, 1-14.
- J56** Osborn,T.J. and Hulme,M. (1997) Development of a relationship between station and gridbox rainfall frequencies for climate model validation **J.Climate** 10, 1885-1908.
- J55** Hulme,M. and New.M. (1997) Dependence of large-scale precipitation climatologies on temporal and spatial gauge sampling **J.Climate** 10, 1099-1113.
- J54** Hulme,M. (1997) The climate in the UK from November 1994 to October 1995 **Weather** 52, 242-257.
- J53** Downing,T.E., Ringius,L., Hulme,M. and Waughray,D. (1997) Adapting to climate change in Africa **Mitigation and Adaptation Strategies for Global Change**, 2, 19-44.
- J52** Chattopadhyay,N. and Hulme,M. (1997) Evaporation and potential evapotranspiration in India under conditions of recent and future climate change **Agric. and Forest Meteor.** 87, 55-72.
- J51** Wardlaw,R.B., Hulme,M. and Stuck,A.Y. (1996) Modelling the impacts of climatic change on water resources **J.Chartered Inst. Water & Env. Management**, 10, 355-364.
- J50** Parry,M.L., Carter,T.R. and Hulme,M. (1996) What is a dangerous climate change? **Global Environmental Change**, 6, 1-6.
- J49** Jones,P.D., Hulme,M., Briffa,K.R., Jones,C.G., Mitchell,J.F.B. and Murphy,J.G. (1996) Summer moisture variability over Europe in the Hadley Centre GCM using the Palmer Drought Severity Index **Int. J. Climatol.**, 16, 155-172.
- J48** Jones,P.D. and Hulme,M. (1996) Calculating regional climatic time series for temperature and precipitation: methods and illustrations **Int J. Climatol.**, 16, 361-377.
- J47** Hulme,M., Conway,D., Joyce,A. and Mulenga,H. (1996) A 1961-90 climatology for Africa south of the equator and a comparison of PE estimates for the region **S.African J. Science**, 92, 334-343.
- J46** Hulme,M. (1996) Recent climatic change in the world's drylands **Geophys. Res. Letts.**, 23, 61-64
- J45** Conway,D., Krol,M., Alcamo,J. and Hulme,M. (1996) Future water availability in Egypt: the interaction of global, regional and basin-scale driving forces in the Nile Basin **Ambio**, 25, 336-342.
- J44** Conway,D. and Hulme,M. (1996) The impacts of climate variability and climate change in the Nile Basin on future water resources in Egypt **Int. J. Water Resources Development**, 12, 277-296.
- J43** Barrow,E.M., Hulme,M. and Semenov,M. (1996) Effect of using different methods in the construction of climate change scenarios: examples from Europe **Climate Research**, 7, 195-211.
- J42** Barrow,E.M. and Hulme,M. (1996) The changing probabilities of daily temperature extremes in the UK related to future global warming and changes in climate variability **Climate Research**, 6, 21-31
- J41** Airey,M.J., Hulme,M. and Johns,T. (1996) Evaluation of simulations of precipitation by the UK Met. Office/Hadley Centre model **Geophys. Res. Letts.**, 23, 1657-1660.
- J40** Viner,D., Hulme,M. and Raper,S.C.B. (1995) Climate change scenarios for the assessment of climate

- change on regional ecosystems **J. Therm. Biol.**, 20, 175-190.
- J39** Srinivasan,G., Hulme,M. and Jones,C.G. (1995) An evaluation of the spatial and interannual variability of tropical precipitation as simulated by GCMs **Geophys. Res. Letts.**, 22, 1697-1700.
- J38** Hulme,M., Conway,D., Jones,P.D., Barrow,E.M., Jiang,T. and Turney,C. (1995) A 1961-90 climatology for Europe for climate change modelling and impacts applications **Int. J. Climatol.**, 15, 1333-1363
- J37** Hulme,M. , Raper,S.C.B. and Wigley,T.M.L. (1995) An integrated framework to address climate change (ESCAPE) and further developments of the global and regional climate modules (MAGICC) **Energy Policy** 23 347-355
- J36** Hulme,M. (1995) Estimating changes in global precipitation **Weather**, 50, 34-42
- J35** Airey,M. and Hulme,M. (1995) Validating precipitation simulations by climate models: problems, methods and applications **Prog. in Phys. Geography**, 19, 427-448
- J34** Rotmans,J., Hulme,M. and Downing,T.E. (1994) Climate change implications for Europe: an application of the ESCAPE model **Global Env. Change**, 4, 97-124
- J33** Hulme,M., Zhao,Z-C. and Jiang,T. (1994) Recent and future climate change in East Asia **Int. J. Climatol.**, 14, 637-658
- J32** Hulme,M. and Jones,P.D. (1994) Global climate change in the instrumental period **Environmental Pollution**, 83, 23-36
- J31** Hulme,M. (1994) The cost of climate data - a European experience **Weather**, 49, 168-175
- J30** Hulme,M. (1994) Regional climate change scenarios based on IPCC emissions projections with some illustrations for Africa **Area**, 26, 33-44
- J29** Briffa,K.R., Jones,P.D. and Hulme,M. (1994) Summer moisture supply across Europe: an analysis based on the Palmer Drought Severity Index, 1892-1991 **Int. J. Climatol.**, 14, 475-506
- J28** Jones,P.D., Hulme,M. and Briffa,K.R. (1993) A comparison of Lamb circulation types with an objective classification derived from grid-point mean-sea-level pressure data **Int. J. Climatol.**, 13, 655-664
- J27** Hulme,M., Hossell,J.E. and Parry,M.L. (1993) Future climate change and land use in the United Kingdom **Geogr. J.** 159, 131-147
- J26** Hulme,M., Briffa,K.R., Jones,P.D. and Senior,C.A. (1993) Validation of GCM control simulations using daily airflows indices over the British Isles **Climate Dynamics**, 9, 95-105
- J25** Hulme,M. and Kelly,P.M. (1993) Exploring the links between desertification and climate change **Environment**, 35, 4-11 and 39-45
- J24** Conway,D. and Hulme,M. (1993) Recent fluctuations in precipitation and runoff over the Nile sub-Basins and impacts on Main Nile discharge **Climatic Change**, 25, 127-152
- J23** Hulme,M. (1992) Rainfall changes in Africa: 1931-60 to 1961-90 **Int. J. Climatol.**, 12, 685-699
- J22** Hulme,M., Marsh,R. and Jones,P.D. (1992) Global changes in a humidity index between 1931-60 and 1961-90 **Climate Research**, 2, 1-22
- J21** Hulme,M., Biot,Y., Borton,J., Buchanan-Smith,M., Davies,S., Folland,C.K., Nicholds,N., Seddon,D. and Ward,M.N. (1992) Seasonal rainfall forecasting for Africa. Part II: application and impact assessment **Int. J. Env. Studies (A)**, 40, 103-121

- J20** Hulme,M., Biot,Y., Borton,J., Buchanan-Smith,M., Davies,S., Folland,C.K., Nicholds,N., Seddon,D. and Ward,M.N. (1992) Seasonal rainfall forecasting for Africa. Part I: current status and future development **Int. J. Env. Studies (A)**, 39, 245-256
- J19** Hulme,M. (1992) A 1951-80 global land precipitation climatology for the evaluation of General Circulation Models **Climate Dynamics**, 7, 57-72
- J18** Barring,L. and Hulme,M. (1991) Filters and approximate confidence intervals for interpreting rainfall anomaly indices **J. Climate**, 4, 837-847
- J17** Hulme,M. (1991) Record warmth in 1990 and global warming **Geography**, 76, 365-369
- J16** Hulme,M. (1991) An intercomparison of model and observed global precipitation climatologies **Geophys. Res. Lett.**, 18, 1715-1718
- J15** Hulme,M. and Jones,P.D. (1991) Temperatures and windiness over the UK during the winters of 1988/89 and 1989/90 compared to previous years **Weather**, 46, 126-135
- J14** Jones,P.D. and Hulme,M. (1990) Temperatures and sunshine duration over the UK during the period May to October 1989 compared to previous years **Weather**, 45, 430-437
- J13** Hulme,M. (1990) Global warming in the twentyfirst century: an issue for Less Developed Countries **Science, Technology and Development**, 8, 3-21
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